

**Technická univerzita v Košiciach  
Fakulta baníctva, ekológie, riadenia a geotechnológií**

**PREHLAD CITÁCIÍ Z DATABÁZY EPC TUKE**

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AAB002 [37071] **Systémy nepriameho merania** / Karol Kostúr, Marek Laciak, Martin Truchlý - 1. vyd - Košice : Reprocentrum, - 2005. - 173 s. - ISBN 80-8073-273-6.

[KOSTÚR, Karol - LACIAK, Marek - TRUCHLÝ, Martin]

**Ohlasy:**

2011 [3] HOLUBČÍK, Michal Particulate matter from combustion of wood pellets containing additives In: Experimental Fluid Mechanics 2011 : Proceedings of the International Conference : Jičín, 2011 P. 171-176 ISBN: 978-80-7372-784-0

2013 [2] DURDÁN, M., KAČUR, J. System for indirect measurement of the heat flows at annealing of the steel coils In: Acta Metallurgica Slovaca Vol. 19, no. 2 (2013), p. 112-121 ISSN: 1335-1532

ADC001 [121782] **Štúdium podzemného splyňovania uhlia v laboratórnych podmienkach** / Marek Laciak ... [et al.] - 2012. In: Chemické listy. Vol. 106, no. 5 (2012), p. 384-391. - ISSN 0009-2770

[LACIAK, Marek - ŠKVAREKOVÁ, Erika - DURDÁN, Milan - KOSTÚR, Karol - WITTENBERGER, Gabriel]

**Ohlasy:**

2012 [2] HOROVČÁK, Pavel, TERPÁK, Ján The application of service oriented architecture in calculation of thermochemical properties in web service form In: Acta Metallurgica Slovaca Roč. 17, č. 2 (2012), s. 92-102 ISSN: 1335-1788

2013 [1] LESSO, I. et al. Some problems in application of the theory of abstract spaces In: ICCO 2013 : proceedings of the 2013 14th International Carpathian Control Conference : Rytyro, Poland, 26-29 May, 2013 P. 212-217 ISBN: 978-146734489-0

2013 [2] KOZÁKOVÁ, L. et al. Solidification of MSWI fly-ash with regard to hazardous metals leaching In: Acta Montanistica Slovaca Roč. 18, č. 2 (2013), s. 129-139 ISSN: 1335-1788

2014 [1] ŠOFRANKO, Marian Methodology of risk analysis of endogenous fire in coal mines In: Advanced Materials Research Vol. 962-965 (2014), p. 1153-1157 ISSN: 1022-6680

2014 [1] ŠOFRANKO, M., ZEMAN, R. Simulation of pipeline transport backfill mixtures In: Proceedings of the 2014 15th International Carpathian Control Conference, ICCO 2014 : 28-30 May 2014, Velke Karlovice P. 578-583 ISBN: 978-1-4799-3527-7

2014 [1] VÉGSÖOVÁ, Oľina Energy utilization of selected woody species in terms of their impact on the environment In: Advanced Materials Research Vol. 1001 (2014), p. 38-44 ISSN: 1022-6680

2015 [1] RYBÁR, Radim, BEÉR, Martin, KUDELAS, Dušan Analysis of raw material - energetical situation in Afghanistan In: SGEM 2015 : 15th International Multidisciplinary Scientific Geoconference and EXPO : Albena, Bulgaria, 18-24 June 2015 Vol. 3, no. 5 (2015), p. 57-62 ISSN: 1314-2704

2014 [1] PINKA, Ján, VEGSOOVÁ, Oľga, PINKOVÁ, Petra et al. Options and prospects of underground storage of carbon dioxide in the Slovak Republic In: SGEM : 14th International Multidisciplinary Scientific Geoconference surveying geology and mining ecology management : Albena, Bulgaria, 17-26 June 2014 P. 751-758 ISSN: 1314-2704 ISBN: 978-619710507-0

2018 [1] LIU, Shuqin et al. Sequential transformation behaviour of iron-bearing minerals during underground coal gasification In: Minerals Vol. 8, no. 3 (2018), art. no. 90 ISSN: 2075-163X

ADC002 [141439] **System for indirect temperature measurement in annealing process** / Milan Durdán ... [et al.] - 2014. In: Measurement. Vol. 47, no. 1 (2014), p. 911-918. - ISSN 0263-2241 [DURDÁN, Milan - MOJŽIŠOVÁ, Andrea - LACIAK, Marek - KAČUR, Ján]

**Ohlasy:**

2015 [1] PYSZKO, R. et al. Measuring temperature of the atmosphere in the steelmaking furnace In: Measurement: Journal of the International Measurement Confederation Vol. 75, no. 27 (2015), p. 92-103 ISSN: 0263-2241

2014 [1] LEŠŠO, I. et al. Practical questions of the method of interpretation geophysical signal as a vector of Hilbert space In: SGEM, 2014 : 14 th International Multidisciplinary Scientific Geoconference and EXPO : Albena, 14-26 June, 2014 Vol. 1, no. 2 (2014), p. 729-736 ISSN: 1314-2704

2017 [3] SZÉPLAKY, Dávid - VARGA, Augustín - LAZÍČ, Ladislav The effect of natural gas temperature on the thermal regime of transit gas pipeline In: Selected problems in the transport of natural gas P. 81-129 ISBN: 978-953-7082-28-4

2016 [2] SZEPLAKY, Dávid, VARGA, Augustín Application of Four Dimensional Matrix for Thermal Analysis of Slovak Transit Gas Pipeline by Program FENIX In: Application of experimental and numerical methods mechanics and energy 2016 : 20th International Scientific Conference on Application of Experimental and Numerical Methods in Fluid Mechanics and Energy, Terchova, Slovakia ISSN: 0094-243X ISBN: 978-0-7354-1402-0

2015 [2] TAUS, Peter et al. Optimization of energy consumption and cost effectiveness of modular buildings by using renewable energy sources In: Acta Montanistica Slovaca Roč. 20, č. 3 (2015), s. 200-208 ISSN: 1335-1788

ADC003 [145849] **Impact analysis of the oxidant in the process of underground coal gasification** / J. Kačur ... [et al.] - 2014. In: Measurement. Vol. 51, no. 1 (2014), p. 147-155. - ISSN 0263-2241 [KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek - FLEGNER, Patrik]

**Ohlasy:**

2015 [1] XU, B. et al. Removal properties of hexavalent chromium and hazardous trace elements in UCG condensate water by semi-cokes In: Coke and Chemistry Vol. 58, no. 5 (2015), p. 188-195 ISSN: 1068-364X

2017 [1] GUR, Mesut et al. Experimental results of underground coal gasification of Turkish lignite in an ex-situ reactor In: Fuel Vol. 203 (2017), p. 997-1006 ISSN: 0016-2361

2016 [1] HOROVČÁK, Pavel, TERPÁK, Ján, LUKÁČ, Matej Selected Thermochemical Calculations of Chemical Reaction in the Form of Web Service In: Chemicke listy Vol. 110, no. 12 (2016), p. 874-884 ISSN: 0009-2770

2016 [1] STRAKA, Martin et al. Logistics and chemical technology as effective means for the collection and treatment of biodegradable wastes In: Przemysl Chemiczny Vol. 95, no. 8 (2016),

p. 1549-1553 ISSN: 0033-2496

2015 [1] HOROVČAK, Pavel - TERPAK, Jan - LUKAC, Matej Draft for extension and amendment ThermoChemDC web service In: ICCC 2015 : 16th international conference : Szilvasvarad, May 27-30, 2015 P. 170-174 ISBN: 978-1-4799-7370-5

2015 [2] WITTENBERGER, G., SOFRANKO, M. Formation and protection against incrustation on the geothermal pipe by utilizing of geothermal water in the area of Ďurkov (Eastern Slovakia) In: Acta Montanistica Slovaca Roč. 20, č. 1 (2015), s. 10-15 ISSN: 1335-1788

2016 [2] SKVAREKOVA, Erika, WITTENBERGER, Gabriel, SOFRANKO, Marian Tar related issues in underground coal gasification In: Acta Montanistica Slovaca Roč. 21, č. 4 (2016), s. 298-305 ISSN: 1335-1788

ADC004 [149975] **Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling** / Patrik Flegner ... [et al.] - 2014. In: Measurement. Vol. 56 (2014), p. 178-193. - ISSN 0263-2241 Spôsob prístupu:

<http://www.sciencedirect.com/science/article/pii/S0263224114002863>.

[FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LEŠŠO, Igor - LACIAK, Marek]

**Ohlasy:**

2017 [1] LIPTAI, P. et al. Check measurements of magnetic flux density: Equipment design and the determination of the confidence interval for EFA 300 measuring devices In: Measurement Vol. 111 (2017), p. 51-59 ISSN: 0263-2241

2017 [1] PETERKA, Pavel et al. Tractive work of the aerial cableway towing haul rope In: Measurement Vol.100 (2017), p. 322-328 ISSN: 0263-2241

2015 [1] BADIDA, Miroslav et al. Measurement of the sound absorption coefficient of materials using of combined sensor of particle velocity and acoustic pressure In: Ecology, economics education and legislation : SGEM 2015 : 15th International Multidisciplinary Scientific Geoconference : Albena, Bulgaria P. 507-512 ISSN: 1314-2704 ISBN: 978-619-7105-39-1

2015 [1] HOROVČÁK, Pavel - LEŠŠO, Igor - GAŠPÁROVÁ, Zuzana Design and implementation of web service for mutual comparison of the set of algebraic vectors In: ICCC 2015 : 16th International Carpathian Control Conference : Szilvasvarad, 27-30 May, 2015 P. 175-180 ISBN: 978-147997370-5

ADC005 [156578] **Low-calorific gasification of underground coal with a higher humidity** / Karol Kostúr ... [et al.] - 2015. In: Measurement. Vol. 63 (2015), p. 69-80. - ISSN 0263-2241 Spôsob prístupu:

<http://dx.doi.org/10.1016/j.measurement.2014.12.016>.

[KOSTÚR, Karol - LACIAK, Marek - DURDÁN, Milan - KAČUR, Ján - FLEGNER, Patrik]

**Ohlasy:**

2017 [1] KONOVSSEK, Damjan et al. Underground coal gasification - the velenje coal mine energy and economic calculation In: Chemical industry and Chemical engineering quarterly Vol. 23, no. 2 (2017), p. 279-289 ISSN: 1451-9372

2017 [1] GUR, Mesut et al. Experimental results of underground coal gasification of Turkish lignite in an ex-situ reactor In: Fuel Vol. 203 (2017), p. 997-1005 ISSN: 0016-2361

ADC006 [160620] **Research of annealing process in laboratory conditions** / Milan Durdán ... [et al.] - 2015. In: Measurement. Vol. 73 (2015), p. 607-618. - ISSN 0263-2241

[DURDÁN, Milan - STEHLÍKOVÁ, Beáta - PÁSTOR, Marcel - KAČUR, Ján - LACIAK, Marek - FLEGNER,

Patrik]

**Ohlasy:**

2018 [1] MORÓN, C. et al. System for manufacturing magnetic labels In: Measurement Vol. 116 (2018), p. 239-245 ISSN: 0263-2241

2019 [1] TU, Thien Ngo - HAP, Van Nguyen - LEE, Geun Sik Enhancement of Mixing and Temperature Distribution of Steel Pipes inside an Annealing Furnace by Adopting a Modified Inlet Structure In: Vol. 43, no. 10 (2019), p. 724-731 ISSN: 1226-4881

2019 [1] ZALOGA, V. et al. Implementation of Integrated Management System in Order to Enhance Equipment Efficiency In: Management Systems in Production Engineering Vol. 27, no. 4 (2019), p. 221-226 ISSN: 2299-0461

2019 [1] ANISIMOV, Volodymyr Mykolaovych - ANISIMOV, Volodymyr Volodymyrovych - KRENICKY, Tibor Properties Prediction of Linear Block- Polyurethanes Based on the Mixtures of Simple Oligoethers In: Management Systems in Production Engineering Vol. 27, no. 4 (2019), p. 217-220 ISSN: 2299-0461

2019 [1] MALINDŽÁKOVÁ, Marcela Use of failure mode and effect analysis (FMEA) for assessment of the homogenization of fly ash In: Przemysl chemiczny Vol. 98, no. 11 (2019), p. 1797-1801 ISSN: 0033-2496

ADC007 [166367] **Significant damages of core diamond bits in the process of rocks drilling** / Patrik Flegner ... [et al.] - 2016. In: Engineering Failure Analysis. Vol. 59 (2016), p. 354–365. - ISSN 1350-6307 Spôsob prístupu: <http://www.sciencedirect.com/science/article/pii/S1350630715301163>. [FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek - STEHLÍKOVÁ, Beáta - PÁSTOR, Marcel]

**Ohlasy:**

2016 [1] HOROVČÁK, I., TERPÁK, P., LUKÁČ, J. Selected thermochemical calculations of chemical reaction in the form of web service In: Chemické listy Vol. 110, no. 12 (2016), p. 874-884 ISSN: 0009-2770

2018 [1] CIRIMELLO, P. et al. Oil well drill bit failure during pull out: redesign to reduce its consequences In: Engineering Failure Analysis Vol. 83 (2018), p. 75-87 ISSN: 1350-6307

2018 [1] WANG, J. et al. Effects of silicone carbide and its additive amount on diamond bit property In: Chemical Engineering Transactions Vol. 66 (2018), p. 805-810 ISSN: 2283-9216

2018 [1] PETERKA, Pavel - KRESAK, Jozef - VOJTKO, Marek Experience of the Crane Steel Wire Ropes Non-Destructive Tests In: Advances In Science And Technology-Research Journal Vol. 12, no. 4 (2018), p. 157-163 ISSN: 2299-8624

2018 [1] PETERKA, Pavel - KRESAK, Jozef The Causes Of The Damage To The Bearing Rope - Failure Analysis In: Advances In Science And Technology-Research Journal Vol. 12, no. 2(2018), p. 231-236 ISSN: 2299-8624

2018 [1] WANG, Jialiang - ZHANG, Shaoh - PENG, Fenfei Influence mechanism of hard brittle grits on the drilling performance of diamond bit In: Annales De Chimie-Science Des Materiaux Vol. 42, no. 2 (2018), p. 209-220 ISSN: 0151-9107

2018 [1] STRAKA, Martin et al. Evaluating the Waste Incineration Process for Sustainable Development through Modelling, Logistics, and Simulation In: Polish Journal Of Environmental

Studies Vol. 27, no. 6 (2018), p. 2739-2748 ISSN: 1230-1485

2018 [1] SUN, Youhong et al. Study on speed characteristics of hydraulic top drive under fluctuating load In: Journal Of Petroleum Science And Engineering Vol. 167 (2018), p. 277-286 ISSN: 0920-4105

2018 [2] SIDOROVA, Marina et al. Plastic Flow Modeling in Rock Fracture In: Acta Montanistica Slovaca Vol. 23, no. 4 (2018), p. 357-367 ISSN: 1335-1788

2017 [3] KOZHEVNYKOV, A., DREUS, A., LIU, B. The procedure for determining pressure losses in washing fluid flow in hydraulic system of the core barrel In: Mining of Mineral Deposits Vol. 11, no. 1 (2017), p. 65-71 ISSN: 2415-3435

ADC008 [172879] **The analysis of the underground coal gasification in experimental equipment / Marek Laciak ... [et al.] - 2016.**In: Energy. Vol. 114 (2016), p. 332-343. - ISSN 0360-5442 [LACIAK, Marek - KOSTÚR, Karol - DURDÁN, Milan - KAČUR, Ján - FLEGNER, Patrik]

**Ohlasy:**

2017 [1] GUR, Mesut et al. Experimental results of underground coal gasification of Turkish lignite in an ex-situ reactor In: Fuel Vol. 203 (2017), p. 997-1006 ISSN: 0016-2361

2017 [1] KANTA, De Surya - PRABU, V. Experimental studies on humidified/water influx O-2 gasification for enhanced hydrogen production in the context of underground coal gasification In: International Journal of Hydrogen Energy Vol. 42, no. 20 (2017), p. 14089-14102 ISSN: 0360-3199

2017 [1] DING, Kangle - ZHANG, Changmin Interactions between organic nitrogen and inorganic matter in the pyrolysis zone of underground coal gasification: Insights from controlled pyrolysis experiments In: Energy Vol. 135 (2017), p. 279-293 ISSN: 0360-5442

2017 [1] SUNDARARAJAN, T. et al. Mathematical Modelling of Coal Gasification Processes In: IOP Conference Series: Earth and Environmental Science : UCG 2017 : workshop : Delhi, February 13-14, 2017 Vol. 76, no. 1 (2017) ISSN: 1755-1307

ADE001 [22794] **Model for indirect measurements of LD Steelmaking Process / Karol Kostúr, Marek Laciak - 2002.**In: Metalurgija. Vol. 41, no. 2 (2002), p. 113-116. - ISSN 0543-5846 [KOSTÚR, Karol - LACIAK, Marek]

**Ohlasy:**

2013 [2] DURDÁN, M., KAČUR, J. System for indirect measurement of the heat flows at annealing of the steel coils In: Acta Metallurgica Slovaca Roč. 19, č. 2 (2013), s. 112-121 ISSN: 1335-1532

ADE002 [54757] **The estimation of thermo-physical quantities of the materials in indirect temperature measurement of charge / Milan Durdán, Marek Laciak, Karol Kostúr - 2006.**In: Sborník vědeckých prací Vysoké školy báňské - Technické univerzity Ostrava. Ročník LII, Řada strojní. - Ostrava : VŠB-TU, 2006 P. 31-36. - ISSN 1210-0471 Spôsob prístupu: [http://www.fs.vsb.cz/transactions/2006-2/1529\\_DURDAN\\_Milan\\_LACIAK\\_Marek\\_KOSTUR\\_Karol.pdf](http://www.fs.vsb.cz/transactions/2006-2/1529_DURDAN_Milan_LACIAK_Marek_KOSTUR_Karol.pdf).

[DURDÁN, Milan - LACIAK, Marek - KOSTÚR, Karol]

**Ohlasy:**

2009 [4] PÁSTOR, M., VARGA, A., BUDAYOVÁ, M.: Materiálno-energetická bilancia splyňovacieho procesu. In: Strojárstvo / Strojirenství, č. 6 (2009), mimoriadne vydanie, s. 195-196. ISSN 1335-2938.

ADE003 [104094] **Riadenie procesu splyňovania uhlia s využitím PLC / Ján Kačur, Marek Laciak - 2010.**In: Automa. Vol. 16, no. 10 (2010), p. 46-49. - ISSN 1210-9592 Spôsob prístupu:  
<http://www.odbornecasopisy.cz/?CenterContentExec=CenterCisloObsah&param1=40150&param2=41959>

[KAČUR, Ján - LACIAK, Marek]

**Ohlasy:**

2011 [3] DORČÁK, Ľubomír et al. Comparison of the Methods for the Calculation of Fractional-Order Differential Equations In: ICCC 2011 : proceedings of the 12th International Carpathian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic P. 84-88 ISBN: 978-1-61284-359-9

2011 [3] DORČÁK, Ľubomír et al. Modeling and identification of fractional-order dynamical systems In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference : conference proceedings : volume 2 : 20-25, June, 2011, Bulgaria, Albena P. 553-560 ISSN: 1314-2704

ADE005 [129965] **Aplikácia pre projektovanie technologickej linky - PROTELIN / Marek Laciak, Marian Šofranko, Lukáš Revilák - 2012.**In: Minerální suroviny. Vol. 14., no. 3-4 (2012), p. 32-35. - ISSN 1212-7248

[LACIAK, Marek - ŠOFRANKO, Marian - REVILÁK, Lukáš]

**Ohlasy:**

2013 [1] DURDÁN, Milan et al. The Impact of the Sampling Frequency at Indirect Measurement In: ICCC 2013 : 14th International Carpathian Control Conference : May 26-29, 2013, Ryty, Poland P. 62-67 ISBN: 978-1-4673-4489-0

2013 [1] DURDÁN, Milan - KAČUR, Ján Indirect Temperatures Measurement in the UCG Process In: ICCC 2013 : 14th International Carpathian Control Conference : May 26-29, 2013, Ryty, Poland P. 73-78 ISBN: 978-1-4673-4489-0

2014 [1] ŠOLC, Marek Quality Management in the Aviation Industry In: Transport Means 2014 : Proceedings of 18th International Conference : October 23 - 24, 2014, Kaunas, Lithuania P. 71-74 ISSN: 1822-296X

ADE006 [136117] **Appraisal of the population threat risk by carbon leakage produced by underground coal gasification / Marian Šofranko, Erika Škvareková, Marek Laciak - 2013.**In: The Holistic Approach to Environment. Vol. 3, no. 2 (2013), p. 83-91. - ISSN 1848-0071 Spôsob prístupu:  
<http://www.cpo.hr/Paper%2039.pdf>

[ŠOFRANKO, Marian - ŠKVAREKOVÁ, Erika - LACIAK, Marek]

**Ohlasy:**

2014 [1] KOZÁKOVÁ, Ľubica - ZELENÁK, Miroslav - ZELENÁK, Fridrich Evaluation of selected characteristics of the environmental load Slovinky In: SGEM 2014 : International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management Vol. 2, no. 5 (2014), p. 267-272 ISSN: 1314-2704

2014 [1] DURDÁN, Milan - KOSTÚR, Karol Modelling of heat losses in UCG under laboratory conditions and in situ In: ICCC 2015 : 16th International Carpathian Control Conference : 27-30 May 2015, Hungary P. 117-120 ISBN: 978-147997370-5

2014 [1] KAČUR, Ján - DURDÁN, Milan Methods for the separation of CO<sub>2</sub> from syngas in the UCG process In: SGEM 2014 : 14th International Multidisciplinary Scientific Geoconference and

EXPO : 17-26 June 2014, Albena, Bulgaria Vol. 1 (2014), p. 727-734 ISSN: 1314-2704

ADF001 [0011836] **Analýza metód optimálneho riadenia procesov s využitím simulačného modelu /** Marek Laciak, Karol Kostúr - 2000.In: AT & P Journal. Roč. 7, č. 8 (2000), s. 65-68. - ISSN 1335-2237 [LACIAK, Marek - KOSTÚR, Karol]

**Ohlasy:**

2011 [4] TAUŠ, Peter et al. Analýza trhu so solárnymi kolektormi v SR In: Techcon Roč. 7, č. 2 (2011), s. 4-7 ISSN: 1337-3013

2011 [4] KOŠČO, Ján et al. Možnosti využitia nízkopotenciálnej geotermálnej energie v regióne Košíc na rekreačné účely In: TechCON magazín Roč. 7, č. 3 (2011), s. 22-24 ISSN: 1337-3013

2001 [4] TERPÁK, J., DORČÁK, Ľ.: Procesy prenosu. Košice : Technická univerzita, 2001. 197 s. ISBN 80-7099-733-8.

ADF002 [0014051] **Subsystém nepriameho merania teplôt ocele v konvertore (1) /** K. Kostúr, M. Laciak - 2001.In: AT & P Journal. Roč. 8, č. 8 (2001), s. 52-53. - ISSN 1335-2237 [KOSTÚR, Karol - LACIAK, Marek]

**Ohlasy:**

2001 [4] TERPÁK, J., DORČÁK, Ľ.: Procesy prenosu. Košice : Technická univerzita, 2001. 197 s. ISBN 80-7099-733-8.

ADF003 [0014052] **Subsystém nepriameho merania teplôt ocele v konvertore (2) /** K. Kostúr, M. Laciak - 2001.In: AT & P Journal. Roč. 8, č. 9 (2001), s. 79-81. - ISSN 1335-2237 [KOSTÚR, Karol - LACIAK, Marek]

**Ohlasy:**

2013 [2] DURDÁN, M., KAČUR, J. System for indirect measurement of the heat flows at annealing of the steel coils In: Acta Metallurgica Slovaca Vol. 19, no. 2 (2013), p. 112-121 ISSN: 1338-1156

2001 [4] TERPÁK, J., DORČÁK, Ľ.: Procesy prenosu. Košice : Technická univerzita, 2001. 197 s. ISBN 80-7099-733-8.

ADF004 [37072] **The controlling of heating flow for coke plant /** Marek Laciak, Karol Kostúr - 2003.In: Acta Montanistica Slovaca. Roč. 8, č. 4 (2003), s. 153-155. - ISSN 1335-1788 [LACIAK, Marek - KOSTÚR, Karol]

**Ohlasy:**

2010 [4] TAUŠOVÁ, Marcela - ERDÉLYIOVÁ, Katarína - TAUŠ, Peter Energeticko-ekonomické zhodnotenie používania dostupných tepelnoizolačných materiálov pri zatepľovaní budov (1.časť) In: TechCON Roč. 6, č. 4 (2010), s. 50-53 ISSN: 1337-3013

ADF005 [73558] **The analysis of models for indirect measurement of surface temperatures in massive charge /** Marek Laciak, Karol Kostúr, Martin Truchlý - 2008.In: Acta Montanistica Slovaca. Roč. 13, č. 1 (2008), s. 94-99. - ISSN 1335-1788 Spôsob prístupu:

<http://actamont.tuke.sk/pdf/2008/n1/13laciak.pdf>.

[LACIAK, Marek - KOSTÚR, Karol - TRUCHLÝ, Martin]

**Ohlasy:**

2011 [3] TAUŠOVÁ, Marcela et al. Economical analysis of the electric energy production from biomass In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference :

Conference Proceedings : Volume 3 : 20-25 June, 2011, Bulgaria [CD-ROM] P. 1019-1026  
ISSN: 1314-2704

2011 [3] TAUŠ, Peter et al. Technical and economical analysis of electric energy production from biomass In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference : conference proceedings : volume 3 : 20-25, June, 2011, Bulgaria, Albena P. 93-100 ISSN: 1314-2704

2013 [2] DURDÁN, M., KAČUR, J. System for indirect measurement of the heat flows at annealing of the steel coils In: Acta Metallurgica Slovaca Roč. 19, č. 2 (2013), s. 112-121 ISSN: 1335-1532

ADF006 [78539] **Návrh solárnej sušiarne na sušenia sypkých materiálov** / Peter Horbaj ... [et al.] - 2008. In: Acta Montanistica Slovaca. Roč. 13, č. 3 (2008), s. 368-373. - ISSN 1335-1788  
[HORBAJ, Peter - TAUŠ, Peter - FIEDOROVÁ, Zuzana - LACIAK, Marek]

**Ohlasy:**

2010 [4] RYBÁR, R., TOBIS, L., HORODNÍKOVÁ, J.: Kvapalinové solárne ohrevné systémy ako nástroj znižovania spotreby konvenčných energetických zdrojov v sektore bývania v podmienkach SR - I. časť In: TechCon Magazin Roč. 6, č. 4 (2010), s. 22-24 ISSN: 1337-3013

2011 [1] WITTENBERGER, Gabriel - ŠKVAREKOVÁ, Erika - ČULKOVÁ, Katarína Creation and protection over incrustation and rusting on the hot-water pipeline during using of geothermal water from Ďurkov at the GTD-1, 2, 3 drill holes In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference: conference proceedings : volume 1 : 20-25, June, 2011, Bulgaria, Albena P. 407-412 ISSN: 1314-2704

2012 [2] NOVÁČEK, Erich , TAUŠOVÁ, Marcela Economic analysis of operation parameters of the biogas plant in Rozhanovce In: Acta Montanistica Slovaca Roč. 17, č. 4 (2012), s. 278-282 ISSN: 1335-1788

2008 [2] RYBÁR, P., RYBÁR, R.: International science conference RESPECT report to support the renewable energy sources position in the context of specific-experimental activity branches. In: Acta montanistica slovaca. Roč. 13, č. 3 (2008), s. 335-337. ISSN 1335-1788.

ADF007 [86233] **Automatizovaný systém riadenia podzemného splyňovania uhlia v laboratórnych podmienkach** / Marek Laciak, Ján Kačur - 2009. In: AT&P Journal. Č. 8 (2009), s. 47-52. - ISSN 1335-2237 Spôsob prístupu: <http://www.atpjournal.sk/>.  
[LACIAK, Marek - KAČUR, Ján]

**Ohlasy:**

2010 [4] KIZEK, J., VARGA, A., REPÁŠOVÁ, M. Energy valuation of syngas in the co-combustion process In: ERIN Roč. 3, č. 3 (2010), s. 2-7 ISSN: 1337-9089

2011 [4] RÁKOŠ, Jaroslav Fuzzy decision making in industry choices In: Acta Metallurgica Slovaca : conference Roč. 2, č. 1 (2011), s. 184-188 ISSN: 1338-1660

2011 [4] SEMAN, Jozef, MERC, Jaroslav Potential possibilities of using biomass in the U. S. Steel Kosice, s.r.o In: Acta Metallurgica Slovaca : conference Roč. 2, č. 1 (2011), s. 195-200 ISSN: 1338-1660

2011 [4] VASZI, Zsolt et al. CFD modelling of oxy-burner mixers In: Acta Metallurgica Slovaca : conference Roč. 2, č. 1 (2011), s. 227-234 ISSN: 1338-1660

ADF008 [101840] **Komunikácia medzi PC a PLC pri monitorovaní a riadení procesu splynovania uhlia** / Marek Laciak, Jan Kačur - 2010. In: AT and P Journal. Roč. 17, č. 8 (2010), s. 40-42. - ISSN 1336-233X Spôsob prístupu: <http://www.atpjournal.sk>.  
[LACIAK, Marek - KAČUR, Ján]

**Ohlasy:**

2012 [4] KOSTÚR, Karol, DURDÁN, Milan The Comparing of Models for Indirect Measurement of Temperatures in Steel Coils In: ICCO 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 [CD-ROM] S. 341-346 ISBN: 978-1-4577-1866-3

ADF009 [107258] **Meranie relevantných veličín v procese podzemného splynovania uhlia** / Ján Kačur, Marek Laciak, Milan Durdán - 2010. In: AT and P Journal. Roč. 17, č. 11 (2010), s. 51-55. - ISSN 1335-2237  
[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

**Ohlasy:**

2011 [4] FLEGNER, Patrik - FUTÓ, Jozef Využitie Shewhartových diagramov pri vyhodnocovaní technologických procesov In: Kvalita Roč. 19, č. 3 (2011), s. 24-29 ISSN: 1335-9231

2011 [4] RÁKOŠ, Jaroslav Fuzzy decision making in industry choices In: Acta Metallurgica Slovaca : conference Roč. 2, č. 1 (2011), s. 184-188 ISSN: 1338-1660

2011 [4] SEMAN, Jozef - MERC, Jaroslav Potential possibilities of using biomass in the U. S. Steel Kosice, s.r.o In: Acta Metallurgica Slovaca : conference Roč. 2, č. 1 (2011), s. 195-200 ISSN: 1338-1660

2011 [4] VASZI, Zsolt et al. CFD modelling of oxy-burner mixers In: Acta Metallurgica Slovaca : conference Roč. 2, č. 1 (2011), s. 227-234 ISSN: 1338-1660

2012 [4] FUTÓ, Jozef Využitie magnetostričného snímača polohy pri experimentálnom rozpojovaní hornín na meranie dĺžky odvrtnú In: ATP Journal Roč. 19, č. 2 (2012), s. 36-37 ISSN: 1335-2237

2012 [4] FUTÓ, Jozef - BARANOVÁ, Vladena Index spôsobilosti - miera kvality vstupných veličín procesu rozpojovania hornín In: ATP Journal Č. 6 (2012), s. 1-10 ISSN: 1336-233X

2013 [1] LABAS, M. et al. Application of acoustic model for optimum determination in rock drilling process based on acoustic pressure in octave bands In: ICCO 2013 : 14th International Carpathian Control Conference : Rytro, May 26-29, 2013 P. 198-201 ISBN: 978-146734489-0

2013 [1] BARANOVA, V., FUTO, J., LANDRYOVÁ, L. Process Capability Index as an indicator of input signal quality of the rock disintegration process In: ICCO 2013 : 14th International Carpathian Control Conference : proceedings : Rytro, May 26-29, 2013 P. 1-4 ISBN: 978-146734489-0

ADF010 [98044] **Optimálne riadenie procesu splynovania uhlia v laboratórnych podmienkach** / Marek Laciak, Ján Kačur - 2010. In: AT and P Journal. Č. 4 (2010), s. 47-50. - ISSN 1336-233X Spôsob prístupu: <http://www.atpjournal.sk/index.html>.  
[LACIAK, Marek - KAČUR, Ján]

**Ohlasy:**

2011 [3] FURKA, Filip, JABLONSKÝ, Gustáv, PÁSTOR, Marcel KVALITA DREVNÉHO PLYNU

ZO SPLÝŇOVANIA BIOMASY V NEHYBNOM LÔTKU A VO FLUIDNEJ VRSTVE V  
ZDROJOCH NÍZKEHO VÝKONU In: Zborník príspevkov zo seminára: Energie z biomasy XI. P.  
57-62 ISBN: 978-80-214-4243-6

2012 [4] KOSTÚR, Karol, DURDÁN, Milan The Comparing of Models for Indirect Measurement  
of Temperatures in Steel Coils In: ICCC 2012 : proceedings of the 13th International Carpathian  
Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 [CD-ROM] S. 341-346  
ISBN: 978-1-4577-1866-3

ADF011 [111023] **Vzdialené monitorovanie a riadenie procesu UCG** / Ján Kačur, Marek Laciak, Milan  
Durdán - 2011. In: ATP Journal. Č. 6 (2011), s. 46-49. - ISSN 1335-2237 Spôsob prístupu:  
<http://www.atpjournals.sk/buxus/docs/atp%20journal%206%202011%20str%2046-49.pdf>.

[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

**Ohlasy:**

2011 [4] PÁSTOR, Marcel - LUKÁČ, Ladislav Preparation and feeding the charge to the  
gasifying generator In: Acta Metallurgica Slovaca : conference Roč. 2, č. 1 (2011), s. 163-167  
ISSN: 1338-1660

ADF012 [122531] **Utilization of indirect measurement in the annealing process of the steel coils** /  
Marek Laciak, Milan Durdán, Ján Kačur - 2012. In: Acta Metallurgica Slovaca. Roč. 18, č. 1 (2012), s. 40-  
49. - ISSN 1338-1156 Spôsob prístupu: <http://www.ams.tuke.sk/index.php?mi=06&lng=sk>.

[LACIAK, Marek - DURDÁN, Milan - KAČUR, Ján]

**Ohlasy:**

2013 [1] LESSO, I. et al. Some problems in application of the theory of abstract spaces In:  
ICCC 2013 : 14th International Carpathian Control Conference : proceedings : Rytro, May 26-  
29, 2013 P. 212-217 ISBN: 978-146734489-0

2014 [1] LEŠŠO, I. et al. Utilization of signal spaces for improvement of efficiency of  
metallurgical process In: Metalurgija Vol. 53, no. 1 (2014), p. 75-77 ISSN: 0543-5846

2013 [1] LESSO, I., FLEGNER, P., SABOVÁ, Z. Improving the capability of metallurgical  
process by Hilbert space utilization In: SGEM 2013 : 13th International Multidisciplinary Scientific  
Geoconference and EXPO : vol. 1 : Albena, June 16-22, 2013 P. 145-150 ISBN: 978-  
954918189-0

2015 [1] MALINDŽÁKOVÁ, M. et al. Modelling of outbursts and ejections occurrences during  
steel production In: Metalurgija Vol. 54, no. 1 (2015), p. 247-250 ISSN: 0543-5846

2014 [1] LEŠŠO, I. et al. Some problems in control of the quality of the process of rotary drilling  
of rocks by using suitable visualization of concurrent vibrations In: ICCC 2014 : 15th  
International Carpathian Control Conference : proceedings : Velke Karlovice, May 28-30, 2014  
P. 310-315 ISBN: 978-147993528-4

2013 [1] HOROVČAK, P., STEHLIKOVA, B. The use of SOA in the development of complex  
web applications In: SGEM 2013 : 13th International Multidisciplinary Scientific Geoconference  
and EXPO : Albena, June 16-22, 2013 P. 265-272 ISBN: 978-954918189-0

2012 [2] HOROVČÁK, P., TERPÁK, J. The application of service oriented architecture in  
calculation of thermochemical properties in web service form In: Acta Montanistica Slovaca Roč.  
17, č. 2 (2012), s. 92-102 ISSN: 1335-1788

2015 [1] LESSO, Igor et al. Contribution to the problem of knowledge discovery of a

processional character in databases In: ICCC 2015 : 16th international conference : Szilvasvarad, May 27-30, 2017 P. 290-294 ISBN: 978-1-4799-7370-5

ADN001 [160476] **Application of adaptive filters in rock separation by rotary drilling process identification** / Patrik Flegner ... [et al.] - 2015.In: Acta Montanistica Slovaca. Roč. 20, č. 1 (2015), s. 38-48. - ISSN 1335-1788  
[FLEGNER, Patrik - KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

**Ohlasy:**

2016 [2] SVIATSKII, Vladislav et al. Regeneration of a fibrous sorbent based on a centrifugal process for environmental geology of oil and groundwater degradation In: Acta Montanistica Slovaca Roč. 21, č. 4 (2016), s. 272-279 ISSN: 1335-1788

2016 [2] SENTYAKOV, Boris et al. Simulation of oil products separation from fibrous sorbent material centrifugally In: Acta Montanistica Slovaca Roč. 21, č. 3 (2016), s. 238-246 ISSN: 1335-1788

2016 [1] FERIANCIKOVA, Katarina et al. Quality control of rotary drilling process of rocks by shewhart charts using the accesory vibration signal In: SGEM 2016 : 16th International Multidisciplinary scientific geoconference vol. 1 : Albena, Jun 30 - Jul 06, 2016 P. 959-966 ISBN: 978-619-7105-55-1

2017 [1] LIU, G. et al. An identification method of vibration signal features when bit drills different mediums In: Journal of Vibration and Shock Vol. 36, no. 8 (2017), p. 71-78 and 104 ISSN: 1000-3835

AFC003 [0014054] **Models for prediction of LD process** / K. Kostúr, M. Laciak - 2001.In: ICCC '2001. - Krakow : AGH Krakow, 2001 P. 159-164. - ISBN 8391340074  
[KOSTÚR, Karol - LACIAK, Marek]

**Ohlasy:**

2001 [4] TERPÁK, J., DORČÁK, Ľ.: Procesy prenosu. Košice : Technická univerzita, 2001. 197 s. ISBN 80-7099-733-8.

AFC004 [0014063] **Predikčný model LD konvertora** / Marek Laciak - 2001.In: Advanced Simulation of Systems. - Ostrava : MARQ, 2001 S. 265-270. - ISBN 8085988615  
[LACIAK, Marek]

**Ohlasy:**

2009 [3] TERPÁK, J., DORČÁK, Ľ., TIRPÁKOVÁ, I.: Creation and utilization of the virtual reality objects in the area of raw material treatment. In: ICCC2009 : Proceeding of 10th International Carpathian Control Conference : Zakopane, May, 24-27, 2009. P. 505-508. ISBN 8389772-51-5

AFC012 [74057] **Monitoring and control system of the experimental gasification equipment** / Ján Kačur, Marek Laciak, Karol Kostúr - 2008.In: Process Control 2008. - Pardubice : Univerzita Pardubice, 2008 P. C097a-1-C097a-14. - ISBN 9788073950774 Spôsob prístupu: <http://www.rip08.cz/>.  
[KAČUR, Ján - LACIAK, Marek - KOSTÚR, Karol]

**Ohlasy:**

2008 [4] PÁSTOR, Marcel, BUDAYOVÁ, Mária, VARGA, Augustín Príspevok k splyňovaniu drevnej biomasy vo fluidnom reaktore In: Nové trendy vývoja v oblasti obnoviteľných zdrojov energií po vstupe do eurozóny : zborník konferencie : Podbanské, 5.-7. november 2008 S. 1-4 ISBN: 978-80-232-0293-9

2008 [3] PÁSTOR, Marcel, BUDAYOVÁ, Mária, VARGA, Augustín Production of fluid combustibles by biomass gasifying In: Teplotecnika a energetika v metallurgii: medzinárodná konferencia: Dnepropetrovsk, 7.-9.októbra 2008 S. 281-282 ISBN: 978-966-8050-51-0

2008 [3] PÁSTOR, Marcel, BUDAYOVÁ, Mária, VARGA, Augustín Vplyv fyzikálno chemických parametrov na proces fluidného splyňovania biomasy In: Medzinárodní konference, 27. Setkání kateder mechaniky tekutin a termomechaniky: Plzeň S. 261-264 ISBN: 978-80-7043-666-0

2008 [3] PÁSTOR, Marcel et al. ISBN Analysis of alternativ fuel-biomass gasifying at fluid reactor In: 2nd International Symposium Mining Energetics 08 : Modern tendencies in the development of energy mining : proceedings : Tara, 15-18. September, 2008 P. 333-336 ISBN: 978-86-7352-185-5

2009 [4] PÁSTOR, M., VARGA, A., BUDAYOVÁ M.: Fluidné splyňovanie zmesí alternatívnych palív. In: Acta Metallurgica Slovaca. Roč. 15, č. 1 (2009), str. 242-245. ISSN 1335-1532.

AFC015 [84729] **Proposal and realization of the automated control system of the UCG** / Ján Kačur, Milan Durdán and Marek Laciak - 2009.In: ICC'2009. - Krakow : AGH - University of Science and Technology, 2009 P. 187-190. - ISBN 8389772515  
[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

**Ohlasy:**

2011 [4] VASZI, Zsolt - VARGA, Augustín Optimalizácia prepravy zemného plynu kompresorovou stanicou In: Aplikácia experimentálnych a numerických metód v mechanike tekutín a energetike : zborník zo 17. medzinárodnej vedeckej konferencie S. 335-339 ISBN: 978-80-554-0189-8

AFC016 [98040] **Automated system for UCG optimal control** / Ján Kačur, Marek Laciak, Milan Durdán - 2010.In: ICC'2010 : proceedings of 11th International Carpathian Control Conference : 26-28 May, 2010, Eger, Hungary. - Miskolc : Rekatel, 2010 P. 245-248. - ISBN 978-963-06-9289-2  
[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

**Ohlasy:**

2011 [3] TAUŠOVÁ, Marcela et al. Information flow and their influence to the management effectiveness in organizations of tourist traffic In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference : conference proceedings : volume 2 : 20-25. June, 2011, Bulgaria, Albena P. 519-526 ISSN: 1314-2704

AFC017 [98041] **Indirect measurement system of the inner temperatures in the steel roll** / Milan Durdán, Ján Kačur, Marek Laciak - 2010.In: ICC'2010 : proceedings of 11th international conference : Eger, Hungary, May 26-29, 2010. - Miskolc : Rekatel Bt., 2010 P. 343-346. - ISBN 978-963-06-9289-2  
[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

**Ohlasy:**

2012 [4] KOSTÚR, Karol Principles of Indirect Measurement Temperature In: ICC'2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 [CD-ROM] S. 336-339 ISBN: 978-1-4577-1866-3

2014 [3] SZÉPLAKY, Dávid - VARGA, Augustín - KOČANOVÁ, Slávka Analysis of the temperature field of the gas pipeline collector using CFD modeling In: ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering Vol. 12, no. 4 (2014), p. 123-130 ISSN: 1584-2665

AFC019 [110202] **Hilbert spaces as an efficient instrument for signal processing in geotechnics**

application of vector quantisation method in Hilbert space for effective and quality process control of rock disintegration by rotary drilling/ Igor Leššo ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: ICCC 2011 : proceedings of the 12th International Carpathian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic. - S.l. : IEEE, 2011 P. 253-256. - ISBN 978-1-61284-359-9 [LEŠŠO, Igor - FLEIGNER, Patrik - LACIAK, Marek - FERIANČIKOVÁ, Katarína]

**Ohlasy:**

2012 [4] KOSTÚR, Karol et al. Comparison of Characteristics of Excavation Process and Characteristics of Acoustic Signal in TBM Excavation In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 S. 332-335 ISBN: 978-1-4577-1866-3

2012 [4] FUTÓ, Jozef, BARANOVÁ, Vladena Index spôsobilosti – miera kvality vstupných veličín procesu rozpojovania hornín In: ATP Journal Dostupné na internete: [http://www.atpjournal.sk/buxus/docs/Index\\_sposobilosti.pdf](http://www.atpjournal.sk/buxus/docs/Index_sposobilosti.pdf) ISSN: 1336-233X

2012 [4] WITTENBERGER, Gabriel Nové informácie o vrtoch GTD 1-3 z lokality Ďurkova a ich plánovaná budúcnosť In: Doprava a logistika Č. Mimoriadne 11 (2012), s. 222-229 ISSN: 1451-107X

2012 [4] WITTENBERGER, Gabriel, ŠKVAREKOVÁ, Erika, SIDOROVÁ, Marina Charakter a výkonnosť rozpojovania hornín vrtaním In: Doprava a logistika Č. Mimoriadne 11 (2012), s. 214-221 ISSN: 1451-107X

AFC020 [110210] **Corrective feed-back control of the annealing process with utilization of the indirect measurement** / Milan Durdán, Ján Kačur, Marek Laciak - 2011. - 1 elektronický optický disk (CD-ROM).In: ICCC 2011 : proceedings of the 12th International Carpathian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic. - S.l. : IEEE, 2011 P. 98-101. - ISBN 978-1-61284-359-9 [DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

**Ohlasy:**

2012 [4] KOSTÚR, Karol et al. Comparison of Characteristics of Excavation Process and Characteristics of Acoustic Signal in TBM Excavation In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 [CD-ROM] S. 332-335 ISBN: 978-1-4577-1866-3

2012 [4] KOSTÚR, Karol Principles of Indirect Measurement Temperature In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 [CD-ROM] S. 336-339 ISBN: 978-1-4577-1866-3

2012 [4] LEŠŠO, Igor, FLEIGNER, Patrik, FERIANČIKOVÁ, Katarína Hilbert spaces as a specific instrument for process control In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 [CD-ROM] S. 430-435 ISBN: 978-1-4577-1866-3

2012 [1] LEŠŠO, Igor - FLEIGNER, Patrik - FERIANČIKOVÁ, Katarína System as a basic tool in solution of tasks on the basis of system science knowledge base and informatics In: SGEM 2012 : 12th International Multidisciplinary Scientific Geoconference : volume 3 : Albena, Jun 17-23, 2012 P. 237-244 ISSN: 1314-2704

AFC021 [110212] **Remote monitoring and control of the UCG process** / Ján Kačur, Marek Laciak, Milan Durdán - 2011. - 1 elektronický optický disk (CD-ROM).In: ICCC 2011 : proceedings of the 12th International Carpathian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic. - S.l. : IEEE, 2011 P. 180-184. - ISBN 978-1-61284-359-9

[KAČUR, Ján - LACIAK, Marek - DURDÁN, Milan]

**Ohlasy:**

2011 [4] FLEGNER, Patrik - FUTÓ, Jozef Využitie Shewhartových diagramov pri vyhodnocovaní technologických procesov In: Kvalita Roč. 19, č. 3 (2011), s. 24-29 ISSN: 1335-9231

2012 [4] FUTÓ, Jozef Využitie magnetostričného snímača polohy pri experimentálnom rozpojovaní hornín na meranie dĺžky odvrtu In: ATP Journal Roč. 19, č. 2 (2012), s. 36-37 ISSN: 1335-2237

2012 [4] FUTÓ, Jozef Index spôsobilosti – miera kvality vstupných veličín procesu rozpojovania hornín In: ATP Journal Č. 6 (2012), s. 1-10 ISSN: 1336-233X

2012 [2] MALINDŽÁKOVÁ, Marcela - FUTÓ, Jozef Tunnel boring machine design and reliability parameters of a dynamic rock-indentor system In: Komunikácie Roč. 14, č. 4 (2012), s. 79-82 ISSN: 1335-4205

2013 [1] BARANOVA, V., FUTO, J., LANDRYOVA, L. Process Capability Index as an indicator of input signal quality of the rock disintegration process In: ICCC 2013 : 14th International Carpathian Control Conference : Rytro, May 26-29, 2013 P. 1-4 ISBN: 978-146734489-0

2013 [1] LABAS, M. et al. Application of acoustic model for optimum determination in rock drilling process based on acoustic pressure in octave bands In: ICCC 2013 : 14th International Carpathian Control Conference : proceedings : Rytro, May 26-29, 2013 P. 198-201 ISBN: 978-146734489-0

2016 [2] BARANOVA, Vladena - LANDRYOVA, Lenka - FUTO, Jozef Key indicators for the creation of the TBM technology process model In: ICCC 2016 : 17th International Carpathian Control Conference : proceedings : Tatranska Lomnica, Slovakia, May 29-Jun 1, 2016 P. 25-28 ISBN: 978-1-4673-8606-7

2014 [1] LI, G. et al. Monitoring and control system of underground coal gasification based on industrial Ethernet and PLC In: Applied Mechanics and Materials Vol. 496-500 (2014), p. 1376-1380 ISSN: 1660-9336

2014 [1] MALINDZAKOVA, Marcela et al. Index as a measure of the quality capability evaluation process input quantities of rock excavation In: SGEM 2014 : 14th International Multidisciplinary Scientific Geoconference : Science and Technologies in Geology, Exploration and Mining : conference proceedings : volume 3 : 17-26, June, 2014, Albena, Bulgaria P. 305-311 ISBN: 978-619-7105-09-4

2014 [1] KOSTÚR, K., ĎUROVE, J. The laboratory research of syngas composition and its calorific value in UCG In: PCC 2014 : 31st Annual International Pittsburg Coal Conference : Pittsburg, October 6-9, 2014 ISBN: 9781634398077

2014 [1] KOSTUR, Karol Mathematical modeling temperature's fields in overburden during underground coal gasification In: ICCC 2014 : 15th international conference : Velke Karlovice, May 28-30, 2014 P. 248-253 ISBN: 978-1-4799-3528-4

2015 [1] BARANOVÁ, Vladena - LANDRYOVÁ, Lenka - FUTÓ, Jozef Quality indicator model of dynamic system boring machine - Rock In: ICCC 2015 : 16th International Carpathian Control Conference : Szilvasvarad, May 27-30, 2015 P. 29-32 ISBN: 978-1-4799-7370-5

2014 [1] BARANOVA, Vladena, LANDRYOVA, Lenka, FUTO, Jozef An application of multivariate planning methods in determining KPIs of rock disintegration process In: ICCC 2014 : 15th International Carpathian Control Conference : Velke Karlovice, Czech Republic, May 28-30, 2014 P. 19-22 ISBN: 978-1-4799-3527-7

AFC022 [110214] **Monitoring and control of temperatures in electric furnace in PROMOTIC system** / Marek Laciak, Peter Fazekaš, Ján Kačur - 2011. - 1 elektronický optický disk (CD-ROM).In: ICCC 2011 : proceedings of the 12th International Carpathian Control Conference : 25-28 May 2011, Velké Karlovice, Czech Republic. - S.l. : IEEE, 2011 P. 243-246. - ISBN 978-1-61284-359-9 [LACIAK, Marek - FAZEKAŠ, Peter - KAČUR, Ján]

**Ohlasy:**

2012 [4] KOSTÚR, Karol Principles of Indirect Measurement Temperature In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 [CD-ROM] S. 336-339 ISBN: 978-1-4577-1866-3

2012 [3] HORBAJ, Peter Možnosť energetického zhodnotenia tepla ako najväčšieho problému bioplynových staníc prostredníctvom ich prepojenia s liehovarom na výrobu bioetanolu In: Energetika Vol. 62, no. 11 (2012), p. 617-620 ISSN: 0375-8842

AFC023 [111821] **Material and energy balance of the UCG process in the laboratory conditions** / Marek Laciak, Ján Kačur, Milan Durdán - 2011. - 1 elektronický optický disk (CD-ROM).In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference : Conference Proceedings : Volume 3 : 20-25 June, 2011, Bulgaria. - Sofia : STEF92 Technology, 2011 P. 69-76. - ISSN 1314-2704 [LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan]

**Ohlasy:**

2012 [4] TERPÁK, Ján - KUKURUGYA, Ján - PITOŇÁK, Martin Simulation Model for Analysis of Thermal Processes in Thermo-Insulating Food Packaging In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012 [CD-ROM] S. 721-726 ISBN: 978-1-4577-1866-3

2012 [3] HORBAJ, Peter Možnosť energetického zhodnotenia tepla ako najväčšieho problému bioplynových staníc prostredníctvom ich prepojenia s liehovarom na výrobu bioetanolu In: Energetika Vol. 62, no. 11 (2012), p. 617-620 ISSN: 0375-8842

AFC024 [111822] **Underground coal gasification in laboratory conditions** / Marek Laciak ... [et al.] - 2011. - 1 elektronický optický disk (CD-ROM).In: SGEM 2011 : 11th International Multidisciplinary Scientific GeoConference : Conference Proceedings : Volume 3 : 20-25 June, 2011, Bulgaria. - Sofia : STEF92 Technology, 2011 P. 123-130. - ISSN 1314-2704 [LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan - ŠKVAREKOVÁ, Erika - WITTENBERGER, Gabriel]

**Ohlasy:**

2012 [4] JABLONSKÝ, Gustáv et al. Design of nozzles for gasifying air supply to low power generator In: Erin Roč. 5, č. 7 (2012), s. 2-7 ISSN: 1337-9089

AFC026 [134855] **Designing of the technological line in the SCADA system PROMOTIC** / Marek Laciak, Marian Šofranko - 2013.In: ICCC 2013 : 14th International Carpathian Control Conference : May 26-29, 2013, Ryto, Poland. - Piscataway : IEEE, 2013 P. 202-206. - ISBN 978-1-4673-4489-0 [LACIAK, Marek - ŠOFRANKO, Marian]

**Ohlasy:**

2015 [1] KOSTÚR, Karol - KAČUR, Ján Indirect measurement of syngas calorific value In: Proceedings of the 2015 16th International Carpathian Control Conference, ICCC 2015 :

Danvers, 27-30 May 2015 P. 229-234 ISBN: 978-1-4799-7369-9

AFC028 [134861] **Utilization of the PLC as a web server for remote monitoring of the technological process** / Ján Kačur, Milan Durdán, Marek Laciak - 2013. In: ICCC 2013 : 14th International Carpathian Control Conference : May 26-29, 2013, Rytro, Poland. - Piscataway : IEEE, 2013 P. 144-149. - ISBN 978-1-4673-4489-0

[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

**Ohlasy:**

2015 [1] CHENG, Yaling et al. Remote monitoring system for distributed photovoltaic based on ZigBee In: ICCSNT 2015 : 4th International Conference on Computer Sciences and Network Technology : Harbin, 19-20 December, 2015 P. 867-871 ISBN: 978-1-4673-8173-4

2015 [1] MALINDZAKOVA, Marcela et al. Modelling of outbursts and ejections occurrences during steel production In: Metalurgija Vol. 54, no. 1 (2015), p. 247-250 ISSN: 1334-2576

2014 [1] HOROVČÁK, Pavel - LEŠŠO, Igor - STEHLÍKOVÁ, Beáta Mutual comparison of the set of algebraic vectors using web application In: SGEM 2014 : 14th International Multidisciplinary Scientific GeoConference : informatics, geoinformatics and remote sensing : volume 1 : Albena, June 17-26, 2014 P. 265-272 ISBN: 978-619-7105-10-0

2014 [1] HOROVČÁK, Pavel - STEHLÍKOVÁ, Beáta The structural design of a multilingual web application In: SGEM 2014 : 14th International Multidisciplinary Scientific GeoConference : informatics, geoinformatics and remote sensing : volume 1 : Albena, June 17-26, 2014 P. 379-384 ISBN: 978-619-7105-10-0

AFC029 [139543] **The development of applications based on GPS for the technology of Sunlight booster** / Peter Tauš ... [et al.] - 2013. In: SGEM 2013 : 13th International Multidisciplinary Scientific Geoconference : Energy and clean technologies : conference proceedings : 16-22 June, 2013, Albena, Bulgaria. - Sofia : STEF92 Technology, 2013 P. 251-258. - ISBN 978-619-7105-03-2 - ISSN 1314-2704 [TAUŠ, Peter - LACIAK, Marek - VANEK, Jiri - KUDELAS, Dušan - KOŠČO, Ján]

**Ohlasy:**

2017 [1] JANIČ, P. 3d modeling methods in planning of technological processes in quarry In: SGEM 2017: International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management : vol. 17: issue : 13 : Albena, 29 June - 5 July, 2017 P. 3-10 ISBN: 178-619-7105-00-1

2017 [1] ŠLOSÁR, D. et al. Effective concentration of electromagnetic radiation in optical system HCPV – CPV photovoltaics In: SGEM 2017 : 17th International Multidisciplinary Scientific GeoConference : Surveying Geology and Mining Ecology Management : volume 17 : issue 42 : Albena, 29 June - 5 July, 2017 P. 215-222 ISSN: 1314-2704

AFC030 [147162] **Application of optimization method for optimal control of the steelmaking process** / Marek Laciak ... [et al.] - 2014. In: ICCC 2014 : proceedings of the 2014 15th International Carpathian Control Conference : Velke Karlovice, May 28-30, 2014. - Danvers : IEEE, 2014 P. 296-300. - ISBN 978-1-4799-3527-7

[LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan - FLEIGNER, Patrik]

**Ohlasy:**

2016 [1] TERPAK, Jan - HOROVČÁK, Pavel - LUKAC, Matej Mathematical models creation using orchestration and choreography of web services In: ICCC 2016 : 17th International Carpathian Control Conference : proceedings : Tatranská Lomnica, 29 May-1 June, 2016 P. 739-72 ISBN: 978-1-4673-8606-7

2015 [1] HOROVČAK, Pavel - TERPAK, Jan - LUKAC, Matej Draft for extension and amendment ThermoChemDC web service In: ICCC 2015 : 16th International Carpathian Control Conference : proceedings : Szilvasvarad, Hungary, May 27-30, 2015 P. 170-174 ISBN: 978-1-4799-7369-9

2016 [1] NAWROCKA, Agata - NAWROCKI, Marcin - KOT, Andrzej Neural network control of nonlinear objects In: ICCC 2016 : 17th international conference : Tatranská Lomnica, May 29-Jun 1, 2016 P. 517-522 ISBN: 978-1-4673-8606-7

AFD001 [0011846] **Optimal control of the LD process** / M. Laciak, K. Kostúr - 2000. In: ICCC '2000. - Košice : SSAKI, 2000 S. 237-230. - ISBN 8070995106

[LACIAK, Marek - KOSTÚR, Karol]

**Ohlasy:**

2001 [3] TERPÁK, J., DORČÁK, Ľ.: Procesy prenosu. Košice : Technická univerzita, 2001. 197 s. ISBN 80-7099-733-8.

AFD002 [0014047] **Statický model konvertorovej tavby** / M. Pástor, M. Laciak - 2001. In: Metallurgy junior 2001. - Košice : TU-HF, 2001 S. 26-29.

[PÁSTOR, Marcel - LACIAK, Marek]

AFD003 [0014048] **Predikcia teploty v LD konvertore** / M. Laciak, M. Pástor - 2001. In: Metallurgy junior 2001. - Košice : TU-HF, 2001 S. 21-25.

[LACIAK, Marek - PÁSTOR, Marcel]

AFD009 [122516] **Discreet control of annealing process with utilization of indirect measurement** / Milan Durdán, Ján Kačur, Marek Laciak - 2012. - 1 elektronický optický disk (CD-ROM). In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012. - Piscataway : IEEE, 2012 S. 141-146. - ISBN 978-1-4577-1866-3

[DURDÁN, Milan - KAČUR, Ján - LACIAK, Marek]

**Ohlasy:**

2013 [1] LESSO, I. et al. Some problems in application of the theory of abstract spaces In: ICCC 2013 : 14th International Carpathian Control Conference : Rytro, May 26-29, 2013 P. 212-217 ISBN: 978-146734489-0

AFD010 [122517] **System for indirect measurement of the heat flows in the annealing process** / Ján Kačur, Milan Durdán, Marek Laciak - 2012. - 1 elektronický optický disk (CD-ROM). In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012. - Piscataway : IEEE, 2012 S. 259-263. - ISBN 978-1-4577-1866-3

[KAČUR, Ján - DURDÁN, Milan - LACIAK, Marek]

**Ohlasy:**

2014 [1] ŽECOVÁ, Monika - TERPÁK, Ján - DORČÁK, Ľubomír The modeling of heat conduction using integer-and fractional-order derivatives In: Proceedings of the 2014, 15th International Carpathian Control Conference, ICCC 2014 : Velke Karlovice, Czech Republic P. 710-715 ISBN: 978-147993528-4

2014 [1] TERPÁK, J. et al. The proposal of web service for support of specific thermochemical calculations In: Proceedings of the 2014, 15th International Carpathian Control Conference, ICCC 2014 : Velke Karlovice, Czech Republic P. 608-612 ISBN: 978-147993528-4

2016 [2] LUKAC, Matej - TERPAK, Jan - HOROVČAK, Pavel The utilization of the service

oriented architecture for creating the model of cooling the material In: ICCC 2016 : proceedings of the 17th International Carpathian Control Conference : Tatranska Lomnica, Slovakia, May 29-Jun 1, 2016 S. 451-454 ISBN: 978-1-4673-8606-7

2017 [1] TERPAK, J., HOROVCAK, P., LUKAC, M. Numerical solution for time fractional-order diffusion-wave equation using explicit finite difference method in web service form In: ICCC 2017 : 18th international conference : Sinaia, May 28-31, 2017 P. 290-295 ISBN: 978-1-5090-4862-5

AFD012 [122519] **Verification of the system for indirect temperatures measurement in the massive batch** / Marek Laciak, Ján Kačur, Milan Durdán - 2012. - 1 elektronický optický disk (CD-ROM). In: ICCC 2012 : proceedings of the 13th International Carpathian Control Conference : Podbanské, Slovak Republic, May 28-31, 2012. - Piscataway : IEEE, 2012 S. 413-417. - ISBN 978-1-4577-1866-3 [LACIAK, Marek - KAČUR, Ján - DURDÁN, Milan]

**Ohlasy:**

2014 [1] KOSTUR, Karol Mathematical modeling temperature's fields in overburden during underground coal gasification In: ICCC 2015 : 15th International Carpathian Control Conference : Velke Karlovice, May 28-30, 2014 P. 248-253 ISBN: 978-1-4799-3528-4

AFG003 [73518] **The development of technology for the underground coal gasification in a laboratory conditions** / M. Kostúr, M. Laciak - 2008. In: Metalurgija. Vol. 47, no. 3 (2008), p. 263-263. - ISSN 0543-5846 [KOSTÚR, Karol - LACIAK, Marek]

**Ohlasy:**

2011 [3] SZABO, Csaba, VASZI, Zsolt, SAMUELIS, Ladislav Compressor station throughput simulator : learning tool output of industrial cooperation In: International Conference on Information Technology and Development of Education – ITRO 2011: Zrenjanin, July 2011 P. 43-46 ISBN: 978-86-7672-134-4

2011 [3] VISZ, Zsolt et al. Mathematical and physical model of the mixers of air/fuel and oxygen enriched air/fuel burner In: The Holistic Approach to Environment Vol. 1, no. 3 (2011), p. 87-96 ISSN: 1848-0071

2013 [3] SZÉPLAKY, Dávid, VASZI, Zsolt, VARGA, Augustin Effect of temperature distribution around pipelines for transportation of natural gas on environment In: The holistic approach to environment Vol. 3, no. 1 (2013), p. 33-40 ISSN: 1848-0071

BED002 [61312] **The models for indirect measurement of the surface temperatures in the indirect measurement system of massive charge** / Marek Laciak, Martin Truchlý, Karol Kostúr - 2007. In: ICCC'2007. - Košice : TU, 2007 S. 397-400. - ISBN 9788080738051 [LACIAK, Marek - TRUCHLÝ, Martin - KOSTÚR, Karol]

**Ohlasy:**

2010 [1] MALINDŽÁK, Dušan et al. The methodology for the logistics system simulation model design In: Metallurgy Vol. 49, no. 4 (2010), p. 348-352 ISSN: 0543-5846

V Košiciach 23.09.2020

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**PREHEAD CITAČNÝCH OHLASOV V DATABÁZE**  
**Web of Science**  
**(s vylúčením samocitácií autora a spoluautorov)**

**doc. Ing. Marek Laciak, PhD.**

**Košice, september 2020**

## PREHĽAD CITAČNÝCH OHLASOV AUTORA V DATABÁZE WEB OF SCIENCE (výpis z databázy WoS)

### CITOVANÁ PUBLIKÁCIA:

**Title:** The analysis of the underground coal gasification in experimental equipment

**Author(s):** Laciak, M (Laciak, Marek); Kostur, K (Kostur, Karol); Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Flegner, P (Flegner, Patrik)

**Source:** ENERGY **Volume:** 114 **Pages:** 332-343 **DOI:** 10.1016/j.energy.2016.08.004 **Published:** NOV 1 2016

**Times Cited in Web of Science Core Collection:** 30

**Total Times Cited:** 31

**Usage Count (Last 180 days):** 2

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### CITOVALI:

#### Record 1 of 24

**Title:** Experimental study of underground coal gasification (UCG) of a high-rank coal using atmospheric and high-pressure conditions in an ex-situ reactor

**Author(s):** Zagorscak, R (Zagorscak, Renato); Sadasivam, S (Sadasivam, Sivachidambaram); Thomas, HR (Thomas, Hywel Rhys); Stanczyk, K (Stanczyk, Krzysztof); Kapusta, K (Kapusta, Krzysztof)

**Source:** FUEL **Volume:** 270 **Article**

**Number:** 117490 **DOI:** 10.1016/j.fuel.2020.117490 **Published:** JUN 15 2020

**Accession Number:** WOS:000520029100031

**ISSN:** 0016-2361

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---

#### Record 2 of 24

**Title:** Analysis of syngas production and reaction zones in hydrogen oriented underground coal gasification

**Author(s):** Gur, M (Gur, Mesut); Canbaz, ED (Canbaz, Engin Deniz)

**Source:** FUEL **Volume:** 269 **Article**

**Number:** 117331 **DOI:** 10.1016/j.fuel.2020.117331 **Published:** JUN 1 2020

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**ISSN:** 0016-2361

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---

#### Record 3 of 24

**Title:** Experimental study of methane-oriented gasification of semi-anthracite and bituminous coals using oxygen and steam in the context of underground coal gasification (UCG): Effects of pressure, temperature, gasification reactant supply rates and coal rank

**Author(s):** Sadasivam, S (Sadasivam, Sivachidambaram); Zagorscak, R (Zagorscak, Renato); Thomas, HR (Thomas, Hywel Rhys); Kapusta, K (Kapusta, Krzysztof); Stanczyk, K (Stanczyk, Krzysztof)

**Source:** FUEL **Volume:** 268 **Article**

**Number:** 117330 **DOI:** 10.1016/j.fuel.2020.117330 **Published:** MAY 15 2020

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---

**Record 4 of 24**

**Title:** Synthesis Gas Composition Prediction for Underground Coal Gasification Using a Thermochemical Equilibrium Modeling Approach

**Author(s):** Otto, C (Otto, Christopher); Kempka, T (Kempka, Thomas)

**Source:** ENERGIES **Volume:** 13 **Issue:** 5 **Article**

**Number:** 1171 **DOI:** 10.3390/en13051171 **Published:** MAR 2020

**Accession Number:** WOS:000524318700158

**eISSN:** 1996-1073

---

**Record 5 of 24**

**Title:** Thermal-hydro-chemical-mechanical alteration of coal pores in underground coal gasification

**Author(s):** Jiang, LL (Jiang, Liangliang); Chen, ZX (Chen, Zhangxin); Ali, SMF (Ali, S. M. Farouq)

**Source:** FUEL **Volume:** 262 **Article Number:** UNSP

116543 **DOI:** 10.1016/j.fuel.2019.116543 **Published:** FEB 15 2020

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**ISSN:** 0016-2361

**eISSN:** 1873-7153

---

**Record 6 of 24**

**Title:** Movable injection point-based syngas production in the context of underground coal gasification

**Author(s):** Kashyap, S (Kashyap, Swarnotpal); Vairakannu, P (Vairakannu, Prabu)

**Source:** INTERNATIONAL JOURNAL OF ENERGY

RESEARCH **Volume:** 44 **Issue:** 5 **Pages:** 3574-3586 **DOI:** 10.1002/er.5119 **Early Access**

**Date:** JAN 2020 **Published:** APR 2020

**Accession Number:** WOS:000510004600001

**ISSN:** 0363-907X

**eISSN:** 1099-114X

---

**Record 7 of 24**

**Title:** ANALYSIS OF RISK FACTORS FOR UNDERGROUND COAL GASIFICATION

**Author(s):** Skvarekova, E (Skvarekova, Erika); Tomaskova, M (Tomaskova, Marianna); Wittenberger, G (Wittenberger, Gabriel); Zelenak, S (Zelenak, Stefan)

**Source:** MANAGEMENT SYSTEMS IN PRODUCTION

ENGINEERING **Volume:** 27 **Issue:** 4 **Pages:** 227-235 **DOI:** 10.1515/mspe-2019-0036 **Published:** DEC 2019

**Accession Number:** WOS:000500948500006

**ISSN:** 2299-0461

**eISSN:** 2450-5781

---

**Record 8 of 24**

**Title:** Underground coal gasification - A numerical approach to study the formation of syngas and

its reactive transport in the surrounding strata

**Author(s):** Zagorscak, R (Zagorscak, Renato); An, N (An, Ni); Palange, R (Palange, Rupesh); Green, M (Green, Michael); Krishnan, M (Krishnan, Murugesan); Thomas, HR (Thomas, Hywel Rhys)

**Source:** FUEL **Volume:** 253 **Pages:** 349-

360 **DOI:** 10.1016/j.fuel.2019.04.164 **Published:** OCT 1 2019

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**Conference Title:** 12th European Conference on Fuel and Energy Research and its Applications (ECCRIA)

**Conference Date:** SEP 05-07, 2018

**Conference Location:** Cardiff Univ, Cardiff, WALES

**Conference Host:** Cardiff Univ

**ISSN:** 0016-2361

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---

#### **Record 9 of 24**

**Title:** Fire risk prevention in underground coal gasification (UCG) within active mines: Temperature forecast by means of MARS models

**Author(s):** Krzemien, A (Krzemien, Alicia)

**Source:** ENERGY **Volume:** 170 **Pages:** 777-

790 **DOI:** 10.1016/j.energy.2018.12.179 **Published:** MAR 1 2019

**Accession Number:** WOS:000460845700065

**ISSN:** 0360-5442

**eISSN:** 1873-6785

---

#### **Record 10 of 24**

**Title:** On the mitigating environmental aspects of a vertical well in underground coal gasification method

**Author(s):** Shahbazi, M (Shahbazi, Mohammadreza); Najafi, M (Najafi, Mehdi); Marji, MF (Marji, Mohammad Fatehi)

**Source:** MITIGATION AND ADAPTATION STRATEGIES FOR GLOBAL CHANGE **Volume:** 24 **Issue:** 3 **Pages:** 373-398 **DOI:** 10.1007/s11027-018-9816-x **Published:** MAR 2019

**Accession Number:** WOS:000456264900003

**ISSN:** 1381-2386

**eISSN:** 1573-1596

---

#### **Record 11 of 24**

**Title:** Efficiency assessment of underground gasification of ortho- and meta-lignite: High-pressure ex situ experimental simulations

**Author(s):** Wiatowski, M (Wiatowski, Marian); Kapusta, K (Kapusta, Krzysztof); Stanczyk, K (Stanczyk, Kamil); Stanczyk, K (Stanczyk, Krzysztof)

**Source:** FUEL **Volume:** 236 **Pages:** 221-

227 **DOI:** 10.1016/j.fuel.2018.08.143 **Published:** JAN 15 2019

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---

---

**Record 12 of 24**

**Title:** INVESTIGATION OF THE PORE STRUCTURE OF LIGNITE AT DIFFERENT TEMPERATURES AND PRESSURES

**Author(s):** Niu, SW (Niu, Shiwei); Zhao, YS (Zhao, Yangsheng)

**Source:** JOURNAL OF POROUS MEDIA **Volume:** 22 **Issue:** 10 **Pages:** 1229-1241 **DOI:** 10.1615/JPorMedia.2019025151 **Published:** 2019

**Accession Number:** WOS:000491056900002

**ISSN:** 1091-028X

**eISSN:** 1934-0508

---

**Record 13 of 24**

**Title:** Experimental Study of Reverse Underground Coal Gasification

**Author(s):** Liu, HT (Liu, Hongtao); Chen, F (Chen, Feng); Wang, YY (Wang, Yuanyuan); Liu, G (Liu, Gang); Yao, H (Yao, Hong); Liu, SQ (Liu, Shuqin)

**Source:** ENERGIES **Volume:** 11 **Issue:** 11 **Article**

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**eISSN:** 1996-1073

---

**Record 14 of 24**

**Title:** Laboratory-Scale Studies on Humidified O<sub>2</sub>-Fed High-Ash Coal-Based Underground Coal Gasification

**Author(s):** Kashyap, S (Kashyap, Swarnotpal); Vairakannu, P (Vairakannu, Prabu)

**Source:** ENERGY & FUELS **Volume:** 32 **Issue:** 9 **Pages:** 9132-

9141 **DOI:** 10.1021/acs.energyfuels.8b01854 **Published:** SEP 2018

**Accession Number:** WOS:000445711700020

**ISSN:** 0887-0624

**eISSN:** 1520-5029

---

**Record 15 of 24**

**Title:** Monitoring and evaluation of simulated underground coal gasification in an ex-situ experimental artificial coal seam system

**Author(s):** Su, FQ (Su, Fa-qiang); Hamanaka, A (Hamanaka, Akihiro); Itakura, K (Itakura, Ken-ichi); Zhang, WY (Zhang, Wenyan); Deguchi, G (Deguchi, Gota); Sato, K (Sato, Kohki); Takahashi, K (Takahashi, Kazuhiro); Kodama, J (Kodama, Jun-ichi)

**Source:** APPLIED ENERGY **Volume:** 223 **Pages:** 82-

92 **DOI:** 10.1016/j.apenergy.2018.04.045 **Published:** AUG 1 2018

**Accession Number:** WOS:000433649900006

**ISSN:** 0306-2619

**eISSN:** 1872-9118

---

**Record 16 of 24**

**Title:** Underground coal gasification - Part II: Fundamental phenomena and modeling

**Author(s):** Perkins, G (Perkins, Greg)

**Source:** PROGRESS IN ENERGY AND COMBUSTION SCIENCE **Volume:** 67 **Pages:** 234-274 **DOI:** 10.1016/j.pecs.2018.03.002 **Published:** JUL 2018

**Accession Number:** WOS:000433273500009

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---

**Record 17 of 24**

**Title:** CO<sub>2</sub>-O<sub>2</sub> dry reforming based underground coal gasification using low and high ash Indian coals

**Author(s):** Kumari, G (Kumari, Geeta); Vairakannu, P (Vairakannu, Prabu)

**Source:** FUEL **Volume:** 216 **Pages:** 301-312 **DOI:** 10.1016/j.fuel.2017.11.117 **Published:** MAR 15 2018

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---

**Record 18 of 24**

**Title:** CO<sub>2</sub>-air based two stage gasification of low ash and high ash Indian coals in the context of underground coal gasification

**Author(s):** Kumari, G (Kumari, Geeta); Vairakannu, P (Vairakannu, Prabu)

**Source:** ENERGY **Volume:** 143 **Pages:** 822-832 **DOI:** 10.1016/j.energy.2017.11.027 **Published:** JAN 15 2018

**Accession Number:** WOS:000425565700068

**ISSN:** 0360-5442

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---

**Record 19 of 24**

**Title:** Design and Development of Downdraft Gasifier to Generate Producer Gas

**Author(s):** Roslee, D (Roslee, Darbi); Sabudin, S (Sabudin, Sulastri); Ariffin, NAN (Ariffin, Nadhirah Aqilah Noor); Jamari, FN (Jamari, Fathin Nadhirah); Batcha, MFM (Batcha, Mohd Faizal Mohideen)

**Source:** INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING **Volume:** 10 **Issue:** 5 **Special Issue:** SI **Pages:** 148-155 **Published:** 2018

**Accession Number:** WOS:000450564100022

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---

**Record 20 of 24**

**Title:** Energy and exergy analysis of alternating injection of oxygen and steam in the low emission underground gasification of deep thin coal

**Author(s):** Eftekhari, AA (Eftekhari, Ali Akbar); Wolf, KH (Wolf, Karl Heinz); Rogut, J (Rogut, Jan); Bruining, H (Bruining, Hans)

**Source:** APPLIED ENERGY **Volume:** 208 **Pages:** 62-71 **DOI:** 10.1016/j.apenergy.2017.10.063 **Published:** DEC 15 2017

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**ISSN:** 0306-2619

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---

**Record 21 of 24**

**Title:** Interactions between organic nitrogen and inorganic matter in the pyrolysis zone of underground coal gasification: Insights from controlled pyrolysis experiments

**Author(s):** Ding, KL (Ding, Kangle); Zhang, CM (Zhang, Changmin)

**Source:** ENERGY **Volume:** 135 **Pages:** 279-

293 **DOI:** 10.1016/j.energy.2017.06.130 **Published:** SEP 15 2017

**Accession Number:** WOS:000412043300026

**ISSN:** 0360-5442

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---

#### **Record 22 of 24**

**Title:** Experimental results of underground coal gasification of Turkish lignite in an ex-situ reactor

**Author(s):** Gur, M (Gur, Mesut); Eskin, N (Eskin, Nurdil); Okutan, H (Okutan, Hasancan); Arisoy, A (Arisoy, Ahmet); Boke, E (Boke, Erhan); Altintas, U (Altintas, Unal); Buyuksirin, AYO (Buyuksirin, Ahmet Yildiz Oguz); Canbaz, ED (Canbaz, E. Deniz); Yildirim, O (Yildirim, Olgu)

**Source:** FUEL **Volume:** 203 **Pages:** 997-

1006 **DOI:** 10.1016/j.fuel.2017.03.008 **Published:** SEP 1 2017

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**ISSN:** 0016-2361

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---

#### **Record 23 of 24**

**Title:** Experimental studies on humidified/water influx O-2 gasification for enhanced hydrogen production in the context of underground coal gasification

**Author(s):** Kanta, D (Kanta, De Surya); Prabu, V (Prabu, V.)

**Source:** INTERNATIONAL JOURNAL OF HYDROGEN

ENERGY **Volume:** 42 **Issue:** 20 **Pages:** 14089-

14102 **DOI:** 10.1016/j.ijhydene.2017.04.112 **Published:** MAY 18 2017

**Accession Number:** WOS:000403514400004

**ISSN:** 0360-3199

**eISSN:** 1879-3487

---

#### **Record 24 of 24**

**Title:** Mathematical Modelling of Coal Gasification Processes

**Author(s):** Sundararajan, T (Sundararajan, T.); Raghavan, V (Raghavan, V.); Ajilkumar, A (Ajilkumar, A.); Kumar, KV (Kumar, K. Vijay)

**Book Group Author(s):** IOP

**Source:** WORKSHOP ON CHALLENGES AND OPPORTUNITIES OF UNDERGROUND COAL GASIFICATION IN INDIA (UCG-2017) **Book Series:** IOP Conference Series-Earth and Environmental Science **Volume:** 76 **Article Number:** UNSP 012006 **DOI:** 10.1088/1755-1315/76/1/012006 **Published:** 2017

**Accession Number:** WOS:000440357100006

**Conference Title:** Workshop on Challenges and Opportunities of Underground Coal Gasification in India (UCG)

**Conference Date:** FEB 13-14, 2017

**Conference Location:** New Delhi, INDIA

**Conference Sponsors:** Cent Inst Min Fuel Res (CSIR), Oil and Nat gas Corp, JCB India, ONGC Energy Ctr, Steel authority India Ltd, Sigareni Collieries Co Ltd, NLC India

**ISSN:** 1755-1307

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**CITOVANÁ PUBLIKÁCIA:**

**Title:** Impact analysis of the oxidant in the process of underground coal gasification  
**Author(s):** Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik)  
**Source:** MEASUREMENT **Volume:** 51 **Pages:** 147-155 **DOI:** 10.1016/j.measurement.2014.01.036 **Published:** MAY 2014  
**Times Cited in Web of Science Core Collection:** 25  
**Total Times Cited:** 25  
**Usage Count (Last 180 days):** 2  
**Usage Count (Since 2013):** 26  
**Cited Reference Count:** 20  
**Total Times Cited (without self-citations):** 15

#### **CITOVALI:**

##### **Record 1 of 15**

**Title:** Synthesis Gas Composition Prediction for Underground Coal Gasification Using a Thermochemical Equilibrium Modeling Approach  
**Author(s):** Otto, C (Otto, Christopher); Kempka, T (Kempka, Thomas)  
**Source:** ENERGIES **Volume:** 13 **Issue:** 5 **Article Number:** 1171 **DOI:** 10.3390/en13051171 **Published:** MAR 2020  
**Accession Number:** WOS:000524318700158  
**eISSN:** 1996-1073

---

##### **Record 2 of 15**

**Title:** Theoretical research on heat transfer law during underground coal gasification channel extension process  
**Author(s):** Xin, L (Xin, Lin); Cheng, WM (Cheng, Weimin); Xie, J (Xie, Jun); Liu, WT (Liu, Weitao); Xu, M (Xu, Min)  
**Source:** INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER **Volume:** 142 **Article Number:** 118409 **DOI:** 10.1016/j.ijheatmasstransfer.2019.07.059 **Published:** OCT 2019  
**Accession Number:** WOS:000487168400047  
**ISSN:** 0017-9310  
**eISSN:** 1879-2189

---

##### **Record 3 of 15**

**Title:** Monitoring and Control in Underground Coal Gasification: Current Research Status and Future Perspective  
**Author(s):** Xiao, YT (Xiao, Yuteng); Yin, JH (Yin, Jihang); Hu, YF (Hu, Yifan); Wang, JZ (Wang, Junzhe); Yin, HS (Yin, Hongsheng); Qi, HG (Qi, Honggang)  
**Source:** SUSTAINABILITY **Volume:** 11 **Issue:** 1 **Article Number:** 217 **DOI:** 10.3390/su11010217 **Published:** JAN 1 2019  
**Accession Number:** WOS:000457127300217  
**ISSN:** 2071-1050

---

##### **Record 4 of 15**

**Title:** Experimental Study of Reverse Underground Coal Gasification  
**Author(s):** Liu, HT (Liu, Hongtao); Chen, F (Chen, Feng); Wang, YY (Wang, Yuanyuan); Liu, G

(Liu, Gang); Yao, H (Yao, Hong); Liu, SQ (Liu, Shuqin)

**Source:** ENERGIES **Volume:** 11 **Issue:** 11 **Article**

**Number:** 2949 **DOI:** 10.3390/en11112949 **Published:** NOV 2018

**Accession Number:** WOS:000451814000087

**eISSN:** 1996-1073

---

#### **Record 5 of 15**

**Title:** Graphical analysis of underground coal gasification: Application of a carbon-hydrogen-oxygen (CHO) diagram

**Author(s):** Kauchali, S (Kauchali, S.)

**Source:** JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY **Volume:** 118 **Issue:** 10 **Pages:** 1067-1078 **DOI:** 10.17159/2411-9717/2018/v118n10a8 **Published:** OCT 2018

**Accession Number:** WOS:000449436200008

**ISSN:** 2225-6253

**eISSN:** 2411-9717

---

#### **Record 6 of 15**

**Title:** Monitoring and evaluation of simulated underground coal gasification in an ex-situ experimental artificial coal seam system

**Author(s):** Su, FQ (Su, Fa-qiang); Hamanaka, A (Hamanaka, Akihiro); Itakura, K (Itakura, Ken-ichi); Zhang, WY (Zhang, Wenyan); Deguchi, G (Deguchi, Gota); Sato, K (Sato, Kohki); Takahashi, K (Takahashi, Kazuhiro); Kodama, J (Kodama, Jun-ichi)

**Source:** APPLIED ENERGY **Volume:** 223 **Pages:** 82-

92 **DOI:** 10.1016/j.apenergy.2018.04.045 **Published:** AUG 1 2018

**Accession Number:** WOS:000433649900006

**ISSN:** 0306-2619

**eISSN:** 1872-9118

---

#### **Record 7 of 15**

**Title:** Evaluation of a Compact Coaxial Underground Coal Gasification System Inside an Artificial Coal Seam

**Author(s):** Su, FQ (Su, Fa-qiang); Hamanaka, A (Hamanaka, Akihiro); Itakura, K (Itakura, Ken-ichi); Deguchi, G (Deguchi, Gota); Zhang, WY (Zhang, Wenyan); Nan, H (Nan, Hua)

**Source:** ENERGIES **Volume:** 11 **Issue:** 4 **Article**

**Number:** 898 **DOI:** 10.3390/en11040898 **Published:** APR 2018

**Accession Number:** WOS:000434703400209

**eISSN:** 1996-1073

---

#### **Record 8 of 15**

**Title:** THERMOCHEMICAL CALCULATIONS USING SERVICE-ORIENTED ARCHITECTURE IN THE WEB SERVICE FORM

**Author(s):** Horovcak, P (Horovcak, Pavel); Terpak, J (Terpak, Jan)

**Source:** ACTA POLYTECHNICA **Volume:** 58 **Issue:** 1 **Pages:** 26-36 **DOI:** 10.14311/AP.2018.58.0026 **Published:** 2018

**Accession Number:** WOS:000429307000004

**ISSN:** 1210-2709

---

### Record 9 of 15

**Title:** Experimental results of underground coal gasification of Turkish lignite in an ex-situ reactor

**Author(s):** Gur, M (Gur, Mesut); Eskin, N (Eskin, Nurdil); Okutan, H (Okutan, Hasancan); Arisoy, A (Arisoy, Ahmet); Boke, E (Boke, Erhan); Altintas, U (Altintas, Unal); Buyuksirin, AYO (Buyuksirin, Ahmet Yildiz Oguz); Canbaz, ED (Canbaz, E. Deniz); Yildirim, O (Yildirim, Olgu)

**Source:** FUEL **Volume:** 203 **Pages:** 997-1006 **DOI:** 10.1016/j.fuel.2017.03.008 **Published:** SEP 1 2017

**Accession Number:** WOS:000404084600101

**ISSN:** 0016-2361

**eISSN:** 1873-7153

---

### Record 10 of 15

**Title:** Selected Thermochemical Calculations of Chemical Reaction in the Form of Web Service

**Author(s):** Horovcak, P (Horovcak, Pavel); Terpak, J (Terpak, Jan); Lukac, M (Lukac, Matej)

**Source:** CHEMICKE LISTY **Volume:** 110 **Issue:** 12 **Pages:** 874-884 **Published:** DEC 2016

**Accession Number:** WOS:000390899900006

**ISSN:** 0009-2770

**eISSN:** 1213-7103

---

### Record 11 of 15

**Title:** Logistics and chemical technology as effective means for the collection and treatment of biodegradable wastes

**Author(s):** Straka, M (Straka, Martin); Trebuna, P (Trebuna, Peter); Malindzakova, M (Malindzakova, Marcela); Rosova, A (Rosova, Andrea); Popovic, R (Popovic, Radko); Fill, M (Fill, Maros)

**Source:** PRZEMYSŁ CHEMICZNY **Volume:** 95 **Issue:** 8 **Pages:** 1549-1553 **DOI:** 10.15199/62.2016.8.27 **Published:** AUG 2016

**Accession Number:** WOS:000382428000043

**ISSN:** 0033-2496

---

### Record 12 of 15

**Title:** Mathematical models creation using orchestration and choreography of web services

**Author(s):** Terpak, J (Terpak, Jan); Horovcak, P (Horovcak, Pavel); Lukac, M (Lukac, Matej)

**Edited by:** Petras I; Podlubny I; Kacur J

**Source:** PROCEEDINGS OF THE 2016 17TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 739-742 **Published:** 2016

**Accession Number:** WOS:000389829000138

**Conference Title:** 17th IEEE International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 29-JUN 01, 2016

**Conference Location:** Tatranska Lomnica, SLOVAKIA

**Conference Sponsors:** IEEE, IEEE Czechoslovakia Sect, Slovak Soc Appl Cybernet & Informat, Tech Univ Kosice, Fac Mining Ecol Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Univ Miskolc, Dept Automat & Infocommunicat, Univ Craiova, Fac Automat Comp & Elect, Dept Automat Control

**ISBN:** 978-1-4673-8606-7

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**Record 13 of 15**

**Title:** Removal Properties of Hexavalent Chromium and Hazardous Trace Elements in UCG Condensate Water

**Author(s):** Xu, B (Xu, Bing); Chen, LJ (Chen, Lun-jian); Li, L (Li, Long); Xing, BL (Xing, Bao-lin); Huang, GX (Huang, Guang-xu); Wang, XJ (Wang, Xiao-jiao); Yi, GY (Yi, Gui-yun); Su, Y (Su, Yu); Zhang, L (Zhang, Le)

**Source:** COKE AND CHEMISTRY **Volume:** 58 **Issue:** 5 **Pages:** 188-195 **DOI:** 10.3103/S1068364X15050099 **Published:** MAY 2015

**Accession Number:** WOS:000365944500008

**ISSN:** 1068-364X

**eISSN:** 1934-8398

---

**Record 14 of 15**

**Title:** Draft for extension and amendment ThermoChemDC web service

**Author(s):** Horovcak, P (Horovcak, Pavel); Terpak, J (Terpak, Jan); Lukac, M (Lukac, Matej)

**Edited by:** Petras I; Podlubny I; Kacur J; Vasarhelyi J

**Source:** 2015 16TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 170-174 **Published:** 2015

**Accession Number:** WOS:000380488000034

**Conference Title:** 16th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 27-30, 2015

**Conference Location:** Miskolc, HUNGARY

**Conference Sponsors:** IEEE Adv Technol Human, IEEE Ind Applicat Soc, Dept Control Syst Instrumentat, Dept Proc Control, Inst Control Informat Product Proc, Dept Automatic Control, Univ Miskolc, Automat Info Communicat Fdn Supporting Educ Elect Engn

**ISBN:** 978-1-4799-7370-5

---

**Record 15 of 15**

**Title:** Formation and protection against incrustation on the geothermal pipe by utilizing of geothermal water in the area of Durkov (Eastern Slovakia)

**Author(s):** Wittenberger, G (Wittenberger, Gabriel); Sofranko, M (Sofranko, Marian)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 20 **Issue:** 1 **Pages:** 10-15 **Published:** 2015

**Accession Number:** WOS:000359790300002

**ISSN:** 1335-1788

---

**CITOVANÁ PUBLIKÁCIA:**

**Title:** Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling

**Author(s):** Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Lesso, I (Lesso, Igor); Laciak, M (Laciak, Marek)

**Source:** MEASUREMENT **Volume:** 56 **Pages:** 178-193 **DOI:** 10.1016/j.measurement.2014.06.025 **Published:** OCT 2014

**Times Cited in Web of Science Core Collection:** 23

**Total Times Cited:** 23

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013): 25**

**Cited Reference Count: 32**

**Total Times Cited (without self-citations): 15**

## **CITOVALI:**

### **Record 1 of 15**

**Title:** Investigating the acoustic signs of different rock types based on the values of acoustic signal RMS

**Author(s):** Khoshouei, M (Khoshouei, Mehrbod); Bagherpour, R (Bagherpour, Raheb); Jalalian, MH (Jalalian, Mohammad Hossein); Yari, M (Yari, Mojtaba)

**Source:** RUDARSKO-GEOLOSKO-NAFTNI ZBORNIK **Volume:** 35 **Issue:** 3 **Pages:** 29-38 **DOI:** 10.17794/rgn.2020.3.3 **Published:** 2020

**Accession Number:** WOS:000552105300003

**ISSN:** 0353-4529

**eISSN:** 1849-0409

---

### **Record 2 of 15**

**Title:** Experimental evaluation of sand particle identification in oil-water-gas multiphase flows based on vibration signal analysis

**Author(s):** Wang, K (Wang, Kai); Liu, G (Liu, Gang); Li, YC (Li, Yichen); Qin, M (Qin, Min); Wang, G (Wang, Gang)

**Source:** CHEMICAL ENGINEERING RESEARCH & DESIGN **Volume:** 151 **Pages:** 79-90 **DOI:** 10.1016/j.cherd.2019.07.029 **Published:** NOV 2019

**Accession Number:** WOS:000493218300007

**ISSN:** 0263-8762

**eISSN:** 1744-3563

---

### **Record 3 of 15**

**Title:** Identification and characterization of solids in sand-water two-phase flows via vibration multi-sensor approaches

**Author(s):** Wang, K (Wang, Kai); Liu, G (Liu, Gang); Li, YC (Li, Yichen); Wang, JB (Wang, Jinbang); Wang, G (Wang, Gang)

**Source:** ADVANCED POWDER TECHNOLOGY **Volume:** 30 **Issue:** 10 **Pages:** 2240-2250 **DOI:** 10.1016/j.appt.2019.07.004 **Published:** OCT 2019

**Accession Number:** WOS:000482089200023

**ISSN:** 0921-8831

**eISSN:** 1568-5527

---

### **Record 4 of 15**

**Title:** Vibration sensor method for the identification of solid particle leakage from gas pipe flow based on particle-wall interaction

**Author(s):** Wang, K (Wang, Kai); Liu, G (Liu, Gang); Li, YC (Li, Yichen); Qin, M (Qin, Min); Wang, G (Wang, Gang)

**Source:** POWDER TECHNOLOGY **Volume:** 354 **Pages:** 750-759 **DOI:** 10.1016/j.powtec.2019.06.045 **Published:** SEP 2019

**Accession Number:** WOS:000490625500071

**ISSN:** 0032-5910

eISSN: 1873-328X

---

**Record 5 of 15**

**Title:** Developing a novel model for predicting geomechanical features of carbonate rocks based on acoustic frequency processing during drilling

**Author(s):** Yari, M (Yari, M.); Bagherpour, R (Bagherpour, Raheb); Khoshouei, M (Khoshouei, M.)

**Source:** BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT **Volume:** 78 **Issue:** 3 **Pages:** 1747-1759 **DOI:** 10.1007/s10064-017-1197-y **Published:** APR 2019

**Accession Number:** WOS:000463751500032

**ISSN:** 1435-9529

**eISSN:** 1435-9537

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**Record 6 of 15**

**Title:** Vibration and acoustic signal characteristics of solid particles carried in sand-water two-phase flows

**Author(s):** Wang, K (Wang, Kai); Liu, G (Liu, Gang); Li, YC (Li, Yichen); Qin, M (Qin, Min); Wang, JB (Wang, Jinbang); Wang, G (Wang, Gang); Mei, D (Mei, Dou)

**Source:** POWDER TECHNOLOGY **Volume:** 345 **Pages:** 159-168 **DOI:** 10.1016/j.powtec.2018.12.092 **Published:** MAR 1 2019

**Accession Number:** WOS:000463122300016

**ISSN:** 0032-5910

**eISSN:** 1873-328X

---

**Record 7 of 15**

**Title:** Non-intrusive characterization of sand particles dispersed in gas-water bubbly flow using straight and bent pipes with vibration sensing

**Author(s):** Wang, K (Wang, Kai); Liu, G (Liu, Gang); Li, YC (Li, Yichen); Wang, JB (Wang, Jinbang); Wang, G (Wang, Gang)

**Source:** POWDER TECHNOLOGY **Volume:** 344 **Pages:** 598-610 **DOI:** 10.1016/j.powtec.2018.12.053 **Published:** FEB 15 2019

**Accession Number:** WOS:000461262200058

**ISSN:** 0032-5910

**eISSN:** 1873-328X

---

**Record 8 of 15**

**Title:** Application of Acoustic Emission (AE) in mining and earth sciences: a review

**Author(s):** Khoshouei, M (Khoshouei, Mehrbod); Bagherpour, R (Bagherpour, Raheb)

**Source:** RUDARSKO-GEOLOSKO-NAFTNI ZBORNİK **Volume:** 34 **Issue:** 4 **Pages:** 19-32 **DOI:** 10.17794/rgn.2019.4.3 **Published:** 2019

**Accession Number:** WOS:000496528000003

**ISSN:** 0353-4529

**eISSN:** 1849-0409

---

**Record 9 of 15**

**Title:** Analysis of signal characteristics from rock drilling based on vibration and acoustic sensor approaches

**Author(s):** Qin, M (Qin, Min); Wang, K (Wang, Kai); Pan, K (Pan, Kai); Sun, TX (Sun, Tianxi); Liu, ZG (Liu, Zhiguo)

**Source:** APPLIED ACOUSTICS **Volume:** 140 **Pages:** 275-282 **DOI:** 10.1016/j.apacoust.2018.06.003 **Published:** NOV 2018

**Accession Number:** WOS:000440121900031

**ISSN:** 0003-682X

**eISSN:** 1872-910X

---

#### **Record 10 of 15**

**Title:** Implementing Acoustic Frequency Analysis for Development the Novel Model of Determining Geomechanical Features of Igneous Rocks Using Rotary Drilling Device

**Author(s):** Yari, M (Yari, M.); Bagherpour, R (Bagherpour, R.)

**Source:** GEOTECHNICAL AND GEOLOGICAL

ENGINEERING **Volume:** 36 **Issue:** 3 **Pages:** 1805-1816 **DOI:** 10.1007/s10706-017-0433-3 **Published:** JUN 2018

**Accession Number:** WOS:000432323100027

**ISSN:** 0960-3182

**eISSN:** 1573-1529

---

#### **Record 11 of 15**

**Title:** Investigating an innovative model for dimensional sedimentary rock characterization using acoustic frequency analysis during drilling

**Author(s):** Yari, M (Yari, Mojtaba); Bagherpour, R (Bagherpour, Raheb)

**Source:** RUDARSKO-GEOLOSKO-NAFTNI ZBORNİK **Volume:** 33 **Issue:** 2 **Pages:** 17-25 **DOI:** 10.17794/rgn.2018.2.2 **Published:** 2018

**Accession Number:** WOS:000431340300002

**ISSN:** 0353-4529

**eISSN:** 1849-0409

---

#### **Record 12 of 15**

**Title:** Check measurements of magnetic flux density: Equipment design and the determination of the confidence interval for EFA 300 measuring devices

**Author(s):** Liptai, P (Liptai, P.); Dolnik, B (Dolnik, B.); Pavlik, M (Pavlik, M.); Zbojovsky, J (Zbojovsky, J.); Spes, M (Spes, M.)

**Source:** MEASUREMENT **Volume:** 111 **Pages:** 51-

59 **DOI:** 10.1016/j.measurement.2017.07.022 **Published:** DEC 2017

**Accession Number:** WOS:000410626300006

**ISSN:** 0263-2241

**eISSN:** 1873-412X

---

#### **Record 13 of 15**

**Title:** Tractive work of the aerial cableway towing haul rope

**Author(s):** Peterka, P (Peterka, Pavel); Kresak, J (Kresak, Jozef); Simonak, J (Simonak, Jan); Bindzar, P (Bindzar, Peter); Keckesova, I (Keckesova, Ivana)

**Source:** MEASUREMENT **Volume:** 100 **Pages:** 322-

328 **DOI:** 10.1016/j.measurement.2017.01.006 **Published:** MAR 2017

**Accession Number:** WOS:000394397600037

**ISSN:** 0263-2241

eISSN: 1873-412X

---

**Record 14 of 15**

**Title:** PROCESS CHECK OF ANNEALING PROCESS OF COILED SHEETS BY INDIRECT MEASUREMENT

**Author(s):** Kostur, K (Kostur, K.)

**Source:** METALURGIJA **Volume:** 56 **Issue:** 1-2 **Pages:** 229-232 **Published:** 2017

**Accession Number:** WOS:000392400100060

**ISSN:** 0543-5846

**eISSN:** 1334-2576

---

**Record 15 of 15**

**Title:** MEASUREMENT OF THE SOUND ABSORPTION COEFFICIENT OF MATERIALS USING OF COMBINED SENSOR OF PARTICLE VELOCITY AND ACOUSTIC PRESSURE

**Author(s):** Badida, M (Badida, Miroslav); Borosova, L (Borosova, Lenka); Liptai, P (Liptai, Pavol); Moravec, M (Moravec, Marek); Konkoly, T (Konkoly, Tomas)

**Book Group Author(s):** SGEM

**Source:** ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL I **Book**

**Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 507-512 **Published:** 2015

**Accession Number:** WOS:000370813400066

**Conference Title:** 15th International Multidisciplinary Scientific Geoconference (SGEM)

**Conference Date:** JUN 18-24, 2015

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Repub, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Letters, Acad Sci Maldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environ & Water

**ISSN:** 1314-2704

**ISBN:** 978-619-7105-39-1

---

**CITOVANÁ PUBLIKÁCIA:**

**Title:** Study of Underground Coal Gasification (UCG) Technology in Laboratory Conditions

**Author(s):** Laciak, M (Laciak, Marek); Skvarekova, E (Skvarekova, Erika); Durdan, M (Durdan, Milan); Kostur, K (Kostur, Karol); Wittenberger, G (Wittenberger, Gabriel)

**Source:** CHEMICKE LISTY **Volume:** 106 **Issue:** 5 **Pages:** 384-391 **Published:** 2012

**Times Cited in Web of Science Core Collection:** 15

**Total Times Cited:** 15

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 16

**Cited Reference Count:** 9

**Total Times Cited (without self-citations):** 8

**CITOVALI:**

### Record 1 of 8

**Title:** Sequential mineral transformation during underground coal gasification with the presence of coal partings

**Author(s):** Liu, SQ (Liu, Shuqin); Ma, WP (Ma, Weiping); French, D (French, David); Tuo, KY (Tuo, Kaiyong); Mei, X (Mei, Xia)

**Source:** INTERNATIONAL JOURNAL OF COAL GEOLOGY **Volume:** 208 **Pages:** 1-11 **DOI:** 10.1016/j.coal.2019.04.003 **Published:** MAY 1 2019

**Accession Number:** WOS:000469151200001

**ISSN:** 0166-5162

**eISSN:** 1872-7840

---

### Record 2 of 8

**Title:** Sequential Transformation Behavior of Iron-Bearing Minerals during Underground Coal Gasification

**Author(s):** Liu, SQ (Liu, Shuqin); Ma, WP (Ma, Weiping); Zhang, YX (Zhang, Yixin); Zhang, YJ (Zhang, Yanjun); Qi, KL (Qi, Kaili)

**Source:** MINERALS **Volume:** 8 **Issue:** 3 **Article**

**Number:** 90 **DOI:** 10.3390/min8030090 **Published:** MAR 2018

**Accession Number:** WOS:000428561700013

**eISSN:** 2075-163X

---

### Record 3 of 8

**Title:** ANALYSIS OF RAW MATERIAL - ENERGETICAL SITUATION IN AFGHANISTAN

**Author(s):** Rybar, R (Rybar, Radim); Beer, M (Beer, Martin); Kudelas, D (Kudelas, Dusan)

**Book Group Author(s):** SGEM

**Source:** ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION, VOL III **Book**

**Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 57-62 **Published:** 2015

**Accession Number:** WOS:000370815400007

**Conference Title:** 15th International Multidisciplinary Scientific Geoconference (SGEM)

**Conference Date:** JUN 18-24, 2015

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Repub, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Letters, Acad Sci Maldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environ & Water

**ISSN:** 1314-2704

**ISBN:** 978-619-7105-41-4

---

### Record 4 of 8

**Title:** Simulation of pipeline transport backfill mixtures

**Author(s):** Sofranko, M (Sofranko, Marian); Zeman, R (Zeman, Robert)

**Edited by:** Petras I; Podlubny I; Kacur J; Farana R

**Source:** 2014 15TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 578-583 **Published:** 2014

**Accession Number:** WOS:000359794600114

**Conference Title:** 15th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 28-30, 2014

**Conference Location:** Velke Karlovice, CZECH REPUBLIC

**Conference Sponsors:** IEEE, IEEE Czechoslovakia Sect, VSB Tech Univ Ostrava, VSB Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, Univ Ostrava, Inst Res & Applicat Fuzzy Modeling, VSB Tech Univ Ostrava, Fac Mining & Geotechnol, Inst Econ & Control Syst, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Tech Univ Kosice, Fac Mining Ecol Proc Control & Geotechnol, Univ Miskolc, Dept Automat & Communicat Technol, Univ Craiova, Fac Automat Comp & Elect

**ISBN:** 978-1-4799-3528-4

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**Record 5 of 8**

**Title:** OPTIONS AND PROSPECTS OF UNDERGROUND STORAGE OF CARBON DIOXIDE IN THE SLOVAK REPUBLIC

**Author(s):** Pinka, J (Pinka, Jan); Vegsoova, O (Vegsoeova, Ol'ga); Pinkova, P (Pinkova, Petra); Popcakova, D (Popcakova, Daniela)

**Book Group Author(s):** SGEM

**Source:** GEOCONFERENCE ON SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING, VOL I **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 751-758 **Published:** 2014

**Accession Number:** WOS:000371300500097

**Conference Title:** 14th International Multidisciplinary Scientific Geoconference (SGEM)

**Conference Date:** JUN 17-26, 2014

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Repub, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Letters, Acad Sci Moldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environ & Water

**ISSN:** 1314-2704

**ISBN:** 978-619-7105-07-0

---

**Record 6 of 8**

**Title:** Solidification of MSWI fly-ash with regard to hazardous metals leaching

**Author(s):** Kozakova, L (Kozakova, L'ubica); Bakalar, T (Bakalar, Tomas); Zelenak, M (Zelenak, Miroslav); Prascakova, M (Prascakova, Maria)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 18 **Issue:** 2 **Pages:** 129-139 **Published:** 2013

**Accession Number:** WOS:000331794000009

**ISSN:** 1335-1788

---

**Record 7 of 8**

**Title:** Some problems in application of the theory of abstract spaces

**Author(s):** Lesso, I (Lesso, Igor); Flegner, P (Flegner, Patrik); Feriencikova, K (Feriencikova, Katarina); Sabova, Z (Sabova, Zuzana)

**Edited by:** Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

**Source:** PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 212-217 **Published:** 2013

**Accession Number:** WOS:000324243800041

**Conference Title:** 14th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 26-29, 2013

**Conference Location:** Rytro, POLAND

**Conference Sponsors:** IEEE, IEEE Czechoslovakia Sect, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Tech Univ Kosice, Fac Min, Ecol, Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava (VSB), Fac Mech Engn, Dept Control Syst & Instrumentat, Tech Univ Ostrava (VSB), Fac Min & Geotechnol, Inst Econ & Control Syst, Univ Miskolc, Dept Automat & Commun Technol, Univ Craiova, Fac Automat, Comp & Elect, Dept Automat Control

**ISBN:** 978-1-4673-4490-6; 978-1-4673-4488-3

---

#### **Record 8 of 8**

**Title:** The application of services oriented architecture in calculation of thermochemical properties in web service form

**Author(s):** Horovcak, P (Horovcak, Pavel); Terpak, J (Terpak, Jan)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 17 **Issue:** 2 **Pages:** 92-102 **Published:** 2012

**Accession Number:** WOS:000324679900002

**ISSN:** 1335-1788

---

#### **CITOVANÁ PUBLIKÁCIA:**

**Title:** Significant damages of core diamond bits in the process of rocks drilling

**Author(s):** Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek); Stehlikova, B (Stehlikova, Beata); Pastor, M (Pastor, Marcel)

**Source:** ENGINEERING FAILURE ANALYSIS **Volume:** 59 **Pages:** 354-365 **DOI:** 10.1016/j.engfailanal.2015.10.016 **Published:** JAN 2016

**Times Cited in Web of Science Core Collection:** 14

**Total Times Cited:** 15

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 37

**Cited Reference Count:** 31

**Total Times Cited (without self-citations):** 11

#### **CITOVALI:**

##### **Record 1 of 11**

**Title:** Experimental investigation on the evolution of structure and mechanical properties of basalt induced by microwave irradiation

**Author(s):** Yang, XF (Yang, Xiaofeng); Zhu, HL (Zhu, Hongliang); Zhou, X (Zhou, Xin); Nie, AG (Nie, Aiguo)

**Source:** RSC ADVANCES **Volume:** 10 **Issue:** 54 **Pages:** 32723-32729 **DOI:** 10.1039/d0ra04802j **Published:** SEP 6 2020

**Accession Number:** WOS:000567492100043

**eISSN:** 2046-2069

---

---

**Record 2 of 11**

**Title:** The influence of the structural distribution and hardness of mineral phases on the size and shape of rock drilling particles

**Author(s):** Yang, XF (Yang, Xiaofeng); Nie, AG (Nie, Aiguo); Elsworth, D (Elsworth, Derek); Zhou, JH (Zhou, Jiaheng)

**Source:** MARINE GEORESOURCES & GEOTECHNOLOGY **Volume:** 38 **Issue:** 5 **Pages:** 511-517 **DOI:** 10.1080/1064119X.2020.1743398 **Early Access Date:** MAR 2020 **Published:** MAY 27 2020

**Accession Number:** WOS:000524203300001

**ISSN:** 1064-119X

**eISSN:** 1521-0618

---

**Record 3 of 11**

**Title:** Experience of the Crane Steel Wire Ropes Non-Destructive Tests

**Author(s):** Peterka, P (Peterka, Pavel); Kresak, J (Kresak, Jozef); Vojtko, M (Vojtko, Marek)

**Source:** ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL **Volume:** 12 **Issue:** 4 **Pages:** 157-

163 **DOI:** 10.12913/22998624/100350 **Published:** DEC 2018

**Accession Number:** WOS:000454363400019

**ISSN:** 2299-8624

---

**Record 4 of 11**

**Title:** Study on speed characteristics of hydraulic top drive under fluctuating load

**Author(s):** Sun, YH (Sun, Youhong); Shi, YL (Shi, Yuanling); Wang, QY (Wang, Qingyan); Yao, ZW (Yao, Zongwei)

**Source:** JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING **Volume:** 167 **Pages:** 277-286 **DOI:** 10.1016/j.petrol.2018.04.003 **Published:** AUG 2018

**Accession Number:** WOS:000436632500025

**ISSN:** 0920-4105

**eISSN:** 1873-4715

---

**Record 5 of 11**

**Title:** THE CAUSES OF THE DAMAGE TO THE BEARING ROPE - FAILURE ANALYSIS

**Author(s):** Peterka, P (Peterka, Pavel); Kresak, J (Kresak, Jozef)

**Source:** ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL **Volume:** 12 **Issue:** 2 **Pages:** 231-

236 **DOI:** 10.12913/22998624/92341 **Published:** JUN 2018

**Accession Number:** WOS:000441469200031

**ISSN:** 2299-8624

---

**Record 6 of 11**

**Title:** Plastic Flow Modeling in Rock Fracture

**Author(s):** Sidorova, M (Sidorova, Marina); Beysembayev, KM (Beysembayev, Kakim Manapovich); Shmanov, MN (Shmanov, Mahambet Nazhmetdinovich); Mendikenov, KK (Mendikenov, Kanat Kenzhegalievich); Esen, AM (Esen, Aizat Murathankyzy)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 23 **Issue:** 4 **Pages:** 357-

367 **Published:** 2018

**Accession Number:** WOS:000462617700002

**ISSN:** 1335-1788

---

**Record 7 of 11**

**Title:** Influence mechanism of hard brittle grits on the drilling performance of diamond bit

**Author(s):** Wang, JL (Wang, Jialiang); Zhang, SH (Zhang, Shaohe); Peng, FF (Peng, Fenfei)

**Source:** ANNALES DE CHIMIE-SCIENCE DES

MATERIAUX **Volume:** 42 **Issue:** 2 **Pages:** 209-220 **DOI:** 10.3166/ACSM.42.209-220 **Published:** 2018

**Accession Number:** WOS:000455735200003

**ISSN:** 0151-9107

**eISSN:** 1958-5934

---

**Record 8 of 11**

**Title:** Evaluating the Waste Incineration Process for Sustainable Development through Modelling, Logistics, and Simulation

**Author(s):** Straka, M (Straka, Martin); Rosova, A (Rosova, Andrea); Malindzakova, M (Malindzakova, Marcela); Khouri, S (Khouri, Samer); Culkova, K (Culkova, Katarina)

**Source:** POLISH JOURNAL OF ENVIRONMENTAL

STUDIES **Volume:** 27 **Issue:** 6 **Pages:** 2739-2748 **DOI:** 10.15244/pjoes/81062 **Published:** 2018

**Accession Number:** WOS:000439622000033

**ISSN:** 1230-1485

**eISSN:** 2083-5906

---

**Record 9 of 11**

**Title:** Oil well drill bit failure during pull out: Redesign to reduce its consequences

**Author(s):** Cirimello, P (Cirimello, P.); Otegui, JL (Otegui, J. L.); Sanchez, JM (Martinez Sanchez, J.); Carfi, G (Carfi, G.)

**Source:** ENGINEERING FAILURE ANALYSIS **Volume:** 83 **Pages:** 75-

87 **DOI:** 10.1016/j.engfailanal.2017.09.020 **Published:** JAN 2018

**Accession Number:** WOS:000416745400007

**ISSN:** 1350-6307

**eISSN:** 1873-1961

---

**Record 10 of 11**

**Title:** THE PROCEDURE FOR DETERMINING PRESSURE LOSSES IN WASHING FLUID FLOW IN HYDRAULIC SYSTEM OF THE CORE BARREL

**Author(s):** Kozhevnykov, A (Kozhevnykov, A.); Dreus, A (Dreus, A.); Liu, B (Liu, B.)

**Source:** MINING OF MINERAL DEPOSITS **Volume:** 11 **Issue:** 1 **Pages:** 65-

71 **DOI:** 10.15407/mining11.01.065 **Published:** 2017

**Accession Number:** WOS:000426089800008

**ISSN:** 2415-3435

**eISSN:** 2415-3443

---

**Record 11 of 11**

**Title:** Selected Thermochemical Calculations of Chemical Reaction in the Form of Web Service

**Author(s):** Horovcak, P (Horovcak, Pavel); Terpak, J (Terpak, Jan); Lukac, M (Lukac, Matej)  
**Source:** CHEMICKE LISTY **Volume:** 110 **Issue:** 12 **Pages:** 874-884 **Published:** DEC 2016  
**Accession Number:** WOS:000390899900006  
**ISSN:** 0009-2770  
**eISSN:** 1213-7103

---

### **CITOVANÁ PUBLIKÁCIA:**

**Title:** Low-calorific gasification of underground coal with a higher humidity

**Author(s):** Kostur, K (Kostur, Karol); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan); Flegner, P (Flegner, Patrik)

**Source:** MEASUREMENT **Volume:** 63 **Pages:** 69-80 **DOI:** 10.1016/j.measurement.2014.12.016 **Published:** MAR 2015

**Times Cited in Web of Science Core Collection:** 11

**Total Times Cited:** 11

**Usage Count (Last 180 days):** 1

**Usage Count (Since 2013):** 26

**Cited Reference Count:** 18

**Total Times Cited (without self-citations):** 8

### **CITOVALI:**

#### **Record 1 of 8**

**Title:** Movable injection point-based syngas production in the context of underground coal gasification

**Author(s):** Kashyap, S (Kashyap, Swarnotpal); Vairakannu, P (Vairakannu, Prabu)

**Source:** INTERNATIONAL JOURNAL OF ENERGY RESEARCH **Volume:** 44 **Issue:** 5 **Pages:** 3574-3586 **DOI:** 10.1002/er.5119 **Early Access Date:** JAN 2020 **Published:** APR 2020

**Accession Number:** WOS:000510004600001

**ISSN:** 0363-907X

**eISSN:** 1099-114X

---

#### **Record 2 of 8**

**Title:** Petrographic composition of the ex-situ lignite gasification residues

**Author(s):** Bielowicz, B (Bielowicz, Barbara); Raszowski, M (Raszowski, Michal); Maciejonczyk, N (Maciejonczyk, Natalia)

**Source:** ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS **Volume:** 41 **Issue:** 14 **Pages:** 1762-1779 **DOI:** 10.1080/15567036.2018.1549153 **Published:** JUL 18 2019

**Accession Number:** WOS:000460641400010

**ISSN:** 1556-7036

**eISSN:** 1556-7230

---

#### **Record 3 of 8**

**Title:** Monitoring and Control in Underground Coal Gasification: Current Research Status and Future Perspective

**Author(s):** Xiao, YT (Xiao, Yuteng); Yin, JH (Yin, Jihang); Hu, YF (Hu, Yifan); Wang, JZ (Wang, Junzhe); Yin, HS (Yin, Hongsheng); Qi, HG (Qi, Honggang)

**Source:** SUSTAINABILITY **Volume:** 11 **Issue:** 1 **Article**

**Number:** 217 **DOI:** 10.3390/su11010217 **Published:** JAN 1 2019

**Accession Number:** WOS:000457127300217

**ISSN:** 2071-1050

---

#### **Record 4 of 8**

**Title:** Monitoring and evaluation of simulated underground coal gasification in an ex-situ experimental artificial coal seam system

**Author(s):** Su, FQ (Su, Fa-qiang); Hamanaka, A (Hamanaka, Akihiro); Itakura, K (Itakura, Ken-ichi); Zhang, WY (Zhang, Wenyan); Deguchi, G (Deguchi, Gota); Sato, K (Sato, Kohki); Takahashi, K (Takahashi, Kazuhiro); Kodama, J (Kodama, Jun-ichi)

**Source:** APPLIED ENERGY **Volume:** 223 **Pages:** 82-

92 **DOI:** 10.1016/j.apenergy.2018.04.045 **Published:** AUG 1 2018

**Accession Number:** WOS:000433649900006

**ISSN:** 0306-2619

**eISSN:** 1872-9118

---

#### **Record 5 of 8**

**Title:** THERMOCHEMICAL CALCULATIONS USING SERVICE-ORIENTED ARCHITECTURE IN THE WEB SERVICE FORM

**Author(s):** Horovcak, P (Horovcak, Pavel); Terpak, J (Terpak, Jan)

**Source:** ACTA POLYTECHNICA **Volume:** 58 **Issue:** 1 **Pages:** 26-

36 **DOI:** 10.14311/AP.2018.58.0026 **Published:** 2018

**Accession Number:** WOS:000429307000004

**ISSN:** 1210-2709

---

#### **Record 6 of 8**

**Title:** Sensing underground coal gasification by ground penetrating radar

**Author(s):** Kotyrba, A (Kotyrba, Andrzej); Stanczyk, K (Stanczyk, Krzysztof)

**Source:** ACTA GEOPHYSICA **Volume:** 65 **Issue:** 6 **Pages:** 1185-

1196 **DOI:** 10.1007/s11600-017-0095-9 **Published:** DEC 2017

**Accession Number:** WOS:000418097100008

**ISSN:** 1895-7455

---

#### **Record 7 of 8**

**Title:** Experimental results of underground coal gasification of Turkish lignite in an ex-situ reactor

**Author(s):** Gur, M (Gur, Mesut); Eskin, N (Eskin, Nurdil); Okutan, H (Okutan, Hasancan); Arisoy, A (Arisoy, Ahmet); Boke, E (Boke, Erhan); Altintas, U (Altintas, Unal); Buyuksirin, AYO (Buyuksirin, Ahmet Yildiz Oguz); Canbaz, ED (Canbaz, E. Deniz); Yildirim, O (Yildirim, Olgu)

**Source:** FUEL **Volume:** 203 **Pages:** 997-

1006 **DOI:** 10.1016/j.fuel.2017.03.008 **Published:** SEP 1 2017

**Accession Number:** WOS:000404084600101

**ISSN:** 0016-2361

**eISSN:** 1873-7153

**Record 8 of 8**

**Title:** UNDERGROUND COAL GASIFICATION - THE VELENJE COAL MINE ENERGY AND ECONOMIC CALCULATIONS

**Author(s):** Konovsek, D (Konovsek, Damjan); Praunseis, Z (Praunseis, Zdravko); Avsec, J (Avsec, Jurij); Bercic, G (Bercic, Gorazd); Pohar, A (Pohar, Andrej); Zavsek, S (Zavsek, Simon); Medved, M (Medved, Milan)

**Source:** CHEMICAL INDUSTRY & CHEMICAL ENGINEERING

**QUARTERLY Volume:** 23 **Issue:** 2 **Pages:** 279-289 **DOI:** 10.2298/CICEQ160504042K **Published:** APR-JUN 2017

**Accession Number:** WOS:000407551200015

**ISSN:** 1451-9372

**eISSN:** 2217-7434

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**CITOVANÁ PUBLIKÁCIA:**

**Title:** System for indirect temperature measurement in annealing process

**Author(s):** Durdan, M (Durdan, Milan); Mojzisova, A (Mojzisova, Andrea); Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan)

**Source:** MEASUREMENT **Volume:** 47 **Pages:** 911-918 **DOI:** 10.1016/j.measurement.2013.10.013 **Published:** JAN 2014

**Times Cited in Web of Science Core Collection:** 10

**Total Times Cited:** 10

**Usage Count (Last 180 days):** 1

**Usage Count (Since 2013):** 16

**Cited Reference Count:** 17

**Total Times Cited (without self-citations):** 6

**CITOVALI:**

**Record 1 of 6**

**Title:** System for manufacturing magnetic labels

**Author(s):** Moron, C (Moron, Carlos); Gil-Lopez, T (Gil-Lopez, Tomas); Verdu, A (Verdu, Amparo); Moron, A (Moron, Alberto)

**Source:** MEASUREMENT **Volume:** 116 **Pages:** 239-245 **DOI:** 10.1016/j.measurement.2017.11.021 **Published:** FEB 2018

**Accession Number:** WOS:000430452700026

**ISSN:** 0263-2241

**eISSN:** 1873-412X

---

**Record 2 of 6**

**Title:** Application of Four Dimensional Matrix for Thermal Analysis of Slovak Transit Gas Pipeline by Program FENIX

**Author(s):** Szeplaky, D (Szeplaky, David); Varga, A (Varga, Augustin)

**Edited by:** Lenhard R; Kaduchova K

**Source:** APPLICATION OF EXPERIMENTAL AND NUMERICAL METHODS IN FLUID MECHANICS AND ENERGY 2016: XX ANNIVERSARY OF INTERNATIONAL

SCIENTIFIC CONFERENCE **Book Series:** AIP Conference Proceedings **Volume:** 1745 **Article Number:** 020060 **DOI:** 10.1063/1.4953754 **Published:** 2016  
**Accession Number:** WOS:000380817100060  
**Conference Title:** 20th International Scientific Conference on Application of Experimental and Numerical Methods in Fluid Mechanics and Energy (AEaNMiFMaE)  
**Conference Date:** APR 27-29, 2016  
**Conference Location:** Terchova, SLOVAKIA  
**ISSN:** 0094-243X  
**ISBN:** 978-0-7354-1402-0

---

#### Record 3 of 6

**Title:** Measuring temperature of the atmosphere in the steelmaking furnace  
**Author(s):** Pyszko, R (Pyszko, Rene); Brestovic, T (Brestovic, Tomas); Jasminska, N (Jasminska, Natalia); Lazar, M (Lazar, Marian); Machu, M (Machu, Mario); Puskar, M (Puskar, Michal); Turisova, R (Turisova, Renata)  
**Source:** MEASUREMENT **Volume:** 75 **Pages:** 92-103 **DOI:** 10.1016/j.measurement.2015.07.052 **Published:** NOV 2015  
**Accession Number:** WOS:000361248900011  
**ISSN:** 0263-2241  
**eISSN:** 1873-412X

---

#### Record 4 of 10

**Title:** Optimization of energy consumption and cost effectiveness of modular buildings by using renewable energy sources  
**Author(s):** Taus, P (Taus, Peter); Tausova, M (Tausova, Marcela); Slosar, D (Slosar, Daniel); Jenö, M (Jeno, Matus); Kosco, J (Kosco, Jan)  
**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 20 **Issue:** 3 **Pages:** 200-208 **Published:** 2015  
**Accession Number:** WOS:000368369700005  
**ISSN:** 1335-1788

---

#### Record 5 of 6

**Title:** TESTING AND AMENDMENT WEB SERVICE FOR THERMOCHEMICAL PROPERTIES IN RELATION TO THERMOCHEMICAL CALCULATION  
**Author(s):** Horovcak, P (Horovcak, Pavel); Terpak, J (Terpak, Jan); Horvath, M (Horvath, Milos)  
**Book Group Author(s):** SGEM  
**Source:** GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE SENSING, VOL I **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 363-370 **Published:** 2014  
**Accession Number:** WOS:000371297900046  
**Conference Title:** 14th International Multidisciplinary Scientific Geoconference (SGEM)  
**Conference Date:** JUN 17-26, 2014  
**Conference Location:** Albena, BULGARIA  
**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Repub, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Letters, Acad Sci Moldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish

Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environ & Water

ISSN: 1314-2704

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---

**Record 6 of 6**

**Title:** PRACTICAL QUESTIONS OF THE METHOD OF INTERPRETATION  
GEOPHYSICAL SIGNAL AS A VECTOR OF HILBERT SPACE

**Author(s):** Lesso, I (Lesso, Igor); Horovcak, P (Horovcak, Pavel); Flegner, P (Flegner, Patrik);  
Gasparova, Z (Gasparova, Zuzana)

**Book Group Author(s):** SGEM

**Source:** GEOCONFERENCE ON INFORMATICS, GEOINFORMATICS AND REMOTE  
SENSING, VOL I **Book Series:** International Multidisciplinary Scientific GeoConference-  
SGEM **Pages:** 729-736 **Published:** 2014

**Accession Number:** WOS:000371297900094

**Conference Title:** 14th International Multidisciplinary Scientific Geoconference (SGEM)

**Conference Date:** JUN 17-26, 2014

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Repub, Latvian Acad Sci, Polish  
Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine,  
Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World  
Acad Sci, European Acad Sci Arts & Letters, Acad Sci Maldova, Montenegrin Acad Sci & Arts,  
Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish  
Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environ & Water

ISSN: 1314-2704

ISBN: 978-619-7105-10-0

---

**CITOVANÁ PUBLIKÁCIA:**

**Title:** The analysis of models for indirect measurement of surface temperatures in massive charge

**Author(s):** Laciak, M (Laciak, Marek); Kostur, K (Kostur, Karol); Truchly, M (Truchly, Martin)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 13 **Issue:** 1 **Pages:** 94-  
99 **Published:** 2008

**Times Cited in Web of Science Core Collection:** 8

**Total Times Cited:** 8

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 3

**Cited Reference Count:** 4

**Total Times Cited (without self-citations):** 8

**CITOVALI:**

**Record 1 of 8**

**Title:** Statistical verification of the repeatability regimes at model of the bell furnace

**Author(s):** Stehlikova, B (Stehlikova, Beata); Durdan, M (Durdan, Milan)

**Edited by:** Petras I; Podlubny I; Kacur J

**Source:** PROCEEDINGS OF THE 2016 17TH INTERNATIONAL CARPATHIAN CONTROL  
CONFERENCE (ICCC) **Pages:** 697-701 **Published:** 2016

**Accession Number:** WOS:000389829000130

**Conference Title:** 17th IEEE International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 29-JUN 01, 2016

**Conference Location:** Tatranska Lomnica, SLOVAKIA

**Conference Sponsors:** IEEE, IEEE Czechoslovakia Sect, Slovak Soc Appl Cybernet & Informat, Tech Univ Kosice, Fac Mining Ecol Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Univ Miskolc, Dept Automat & Infocommunicat, Univ Craiova, Fac Automat Comp & Elect, Dept Automat Control

**ISBN:** 978-1-4673-8606-7

---

#### **Record 2 of 8**

**Title:** Modelling of the heating process massive batch

**Author(s):** Durdan, M (Durdan, Milan); Stehlikova, B (Stehlikova, Beata)

**Edited by:** Petras I; Podlubny I; Kacur J; Vasarhelyi J

**Source:** 2015 16TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 112-116 **Published:** 2015

**Accession Number:** WOS:000380488000022

**Conference Title:** 2015 16th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 27-30, 2015

**Conference Location:** Szilvasvarad, HUNGARY

**Conference Sponsors:** IEEE Adv Technol Human, IEEE Ind Appl Soc, Dept Control Syst Instrumentat, Dept Proc Control, Inst Control Informat Product Proc, Dept Automatic Control, Univ Miskolc, Automat Info Communicat Fdn Supporting Educ Elect Engn

**ISBN:** 978-1-4799-7370-5

---

#### **Record 3 of 8**

**Title:** The Impact of the Sampling Frequency at Indirect Measurement

**Author(s):** Durdan, M (Durdan, Milan); Malindzakova, M (Malindzakova, Marcela); Futo, J (Futo, Jozef); Kacur, J (Kacur, Jan)

**Edited by:** Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

**Source:** PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 62-67 **Published:** 2013

**Accession Number:** WOS:000324243800013

**Conference Title:** 14th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 26-29, 2013

**Conference Location:** Rytro, POLAND

**Conference Sponsors:** IEEE, IEEE Czechoslovakia Sect, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Tech Univ Kosice, Fac Min, Ecol, Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava (VSB), Fac Mech Engn, Dept Control Syst & Instrumentat, Tech Univ Ostrava (VSB), Fac Min & Geotechnol, Inst Econ & Control Syst, Univ Miskolc, Dept Automat & Commun Technol, Univ Craiova, Fac Automat, Comp & Elect, Dept Automat Control

**ISBN:** 978-1-4673-4490-6; 978-1-4673-4488-3

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#### **Record 4 of 8**

**Title:** Indirect Temperatures Measurement in the UCG Process

**Author(s):** Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan)

**Edited by:** Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

**Source:** PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 73-78 **Published:** 2013

**Accession Number:** WOS:000324243800015

**Conference Title:** 14th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 26-29, 2013

**Conference Location:** Rytro, POLAND

**Conference Sponsors:** IEEE, IEEE Czechoslovakia Sect, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Tech Univ Kosice, Fac Min, Ecol, Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava (VSB), Fac Mech Engn, Dept Control Syst & Instrumentat, Tech Univ Ostrava (VSB), Fac Min & Geotechnol, Inst Econ & Control Syst, Univ Miskolc, Dept Automat & Commun Technol, Univ Craiova, Fac Automat, Comp & Elect, Dept Automat Control

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#### Record 5 of 8

**Title:** Usage of the Heat Conduction Model for the Experimental Determination of Thermal Diffusivity

**Author(s):** Zecova, M (Zecova, Monika); Terpak, J (Terpak, Jan); Dorcak, L (Dorcak, L'ubomir)

**Edited by:** Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

**Source:** PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 436-441 **Published:** 2013

**Accession Number:** WOS:000324243800084

**Conference Title:** 14th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 26-29, 2013

**Conference Location:** Rytro, POLAND

**Conference Sponsors:** IEEE, IEEE Czechoslovakia Sect, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, Tech Univ Kosice, Fac Min, Ecol, Proc Control & Geotechnol, Inst Control & Informatizat Prod Proc, Tech Univ Ostrava (VSB), Fac Mech Engn, Dept Control Syst & Instrumentat, Tech Univ Ostrava (VSB), Fac Min & Geotechnol, Inst Econ & Control Syst, Univ Miskolc, Dept Automat & Commun Technol, Univ Craiova, Fac Automat, Comp & Elect, Dept Automat Control

**ISBN:** 978-1-4673-4490-6; 978-1-4673-4488-3

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#### Record 6 of 8

**Title:** SYSTEM FOR INDIRECT MEASUREMENT OF THE HEAT FLOWS AT ANNEALING OF THE STEEL COILS

**Author(s):** Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan)

**Source:** ACTA METALLURGICA SLOVACA **Volume:** 19 **Issue:** 2 **Pages:** 112-121 **DOI:** 10.12776/ams.v19i2.95 **Published:** 2013

**Accession Number:** WOS:000421092000004

**ISSN:** 1335-1532

**eISSN:** 1338-1156

---

#### Record 7 of 8

**Title:** ECONOMICAL ANALYSIS OF THE ELECTRIC ENERGY PRODUCTION FROM BIOMASS

**Author(s):** Tausova, M (Tausova, Marcelo); Taus, P (Taus, Peter); Erdelyiova, K (Erdelyiova, Katarina); Horodnikova, J (Horodnikova, Jana)

**Book Group Author(s):** SGEM

**Source:** 11TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE (SGEM 2011), VOL III **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 1019-1026 **Published:** 2011

**Accession Number:** WOS:000307366500137

**Conference Title:** 11th International Multidisciplinary Scientific GeoConference

**Conference Date:** JUN 20-25, 2011

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Minist Env & Water, Bulgarian Acad Sci, Acad Sci Czech Republ, Acad Sci IR Iran, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Bulgarian Ind Assoc, Bulgarian Acad Sci, Albena Wellness Destinat

**ISSN:** 1314-2704

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### Record 8 of 8

**Title:** TECHNICAL AND ECONOMICAL ANALYSIS OF ELECTRIC ENERGY PRODUCTION FROM BIOMASS

**Author(s):** Taus, P (Taus, Peter); Kosco, J (Kosco, Jan); Rybar, R (Rybar, Radim); Kudelas, D (Kudelas, Dusan)

**Book Group Author(s):** SGEM

**Source:** 11TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE (SGEM 2011), VOL III **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 93-+ **Published:** 2011

**Accession Number:** WOS:000307366500014

**Conference Title:** 11th International Multidisciplinary Scientific GeoConference

**Conference Date:** JUN 20-25, 2011

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Minist Env & Water, Bulgarian Acad Sci, Acad Sci Czech Republ, Acad Sci IR Iran, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Bulgarian Ind Assoc, Bulgarian Acad Sci, Albena Wellness Destinat

**ISSN:** 1314-2704

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### CITOVANÁ PUBLIKÁCIA:

**Title:** The verification of thermodynamic model for UCG process

**Author(s):** Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Kostur, K (Kostur, Karol)

**Edited by:** Petras I; Podlubny I; Kacur J

**Source:** PROCEEDINGS OF THE 2016 17TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 424-428 **Published:** 2016

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Usage Count (Last 180 days):** 1

**Usage Count (Since 2013):** 4

**Cited Reference Count:** 13

**Total Times Cited (without self-citations):** 1

### CITOVALI:

### Record 1 of 1

**Title:** Energy and exergy analysis of alternating injection of oxygen and steam in the low emission underground gasification of deep thin coal

**Author(s):** Eftekhari, AA (Eftekhari, Ali Akbar); Wolf, KH (Wolf, Karl Heinz); Rogut, J (Rogut, Jan); Bruining, H (Bruining, Hans)

**Source:** APPLIED ENERGY **Volume:** 208 **Pages:** 62-71 **DOI:** 10.1016/j.apenergy.2017.10.063 **Published:** DEC 15 2017

**Accession Number:** WOS:000416300400006

**ISSN:** 0306-2619

**eISSN:** 1872-9118

---

### CITOVANÁ PUBLIKÁCIA:

**Title:** Research of annealing process in laboratory conditions

**Author(s):** Durdan, M (Durdan, Milan); Stehlikova, B (Stehlikova, Beata); Pastor, M (Pastor, Marcel); Kacur, J (Kacur, Jan); Laciak, M (Laciak, Marek); Flegner, P (Flegner, Patrik)

**Source:** MEASUREMENT **Volume:** 73 **Pages:** 607-618 **DOI:** 10.1016/j.measurement.2015.06.008 **Published:** SEP 2015

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Usage Count (Last 180 days):** 1

**Usage Count (Since 2013):** 17

**Cited Reference Count:** 18

**Total Times Cited (without self-citations):** 5

### CITOVALI:

#### Record 1 of 5

**Title:** PROPERTIES PREDICTION OF LINEAR BLOCK-POLYURETHANES BASED ON THE MIXTURES OF SIMPLE OLIGOETHERS

**Author(s):** Anisimov, VM (Anisimov, Volodymyr Mykolaovych); Anisimov, VV (Anisimov, Volodymyr Volodymyrovych); Krenicky, T (Krenicky, Tibor)

**Source:** MANAGEMENT SYSTEMS IN PRODUCTION ENGINEERING **Volume:** 27 **Issue:** 4 **Pages:** 217-220 **DOI:** 10.1515/mspe-2019-0034 **Published:** DEC 2019

**Accession Number:** WOS:000500948500004

**ISSN:** 2299-0461

**eISSN:** 2450-5781

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#### Record 2 of 5

**Title:** IMPLEMENTATION OF INTEGRATED MANAGEMENT SYSTEM IN ORDER TO ENHANCE EQUIPMENT EFFICIENCY

**Author(s):** Zaloga, V (Zaloga, Viliam); Dyadyura, K (Dyadyura, Konstantyn); Rybalka, I (Rybalka, Iryna); Pandova, I (Pandova, Iveta)

**Source:** MANAGEMENT SYSTEMS IN PRODUCTION ENGINEERING **Volume:** 27 **Issue:** 4 **Pages:** 221-226 **DOI:** 10.1515/mspe-2019-0035 **Published:** DEC 2019

**Accession Number:** WOS:000500948500005

ISSN: 2299-0461  
eISSN: 2450-5781

---

### Record 3 of 5

**Title:** Use of failure mode and effect analysis (FMEA) for assessment of the homogenization of fly ash

**Author(s):** Malindzakova, M (Malindzakova, Marcela)

**Source:** PRZEMYSŁ CHEMICZNY **Volume:** 98 **Issue:** 11 **Pages:** 1797-1801 **DOI:** 10.15199/62.2019.11.20 **Published:** NOV 2019

**Accession Number:** WOS:000507141000023

**ISSN:** 0033-2496

---

### Record 4 of 5

**Title:** Enhancement of Mixing and Temperature Distribution of Steel Pipes inside an Annealing Furnace by Adopting a Modified Inlet Structure

**Author(s):** Ngo, TT (Tu Thien Ngo); Nguyen, HV (Hap Van Nguyen); Lee, GS (Lee, Geun Sik)

**Source:** TRANSACTIONS OF THE KOREAN SOCIETY OF MECHANICAL ENGINEERS B **Volume:** 43 **Issue:** 10 **Pages:** 724-731 **DOI:** 10.3795/KSME-B.2019.43.10.725 **Published:** OCT 2019

**Accession Number:** WOS:000492147000007

**ISSN:** 1226-4881

---

### Record 5 of 5

**Title:** System for manufacturing magnetic labels

**Author(s):** Moron, C (Moron, Carlos); Gil-Lopez, T (Gil-Lopez, Tomas); Verdu, A (Verdu, Amparo); Moron, A (Moron, Alberto)

**Source:** MEASUREMENT **Volume:** 116 **Pages:** 239-245 **DOI:** 10.1016/j.measurement.2017.11.021 **Published:** FEB 2018

**Accession Number:** WOS:000430452700026

**ISSN:** 0263-2241

**eISSN:** 1873-412X

---

### CITOVANÁ PUBLIKÁCIA:

**Title:** The using of thermodynamic model for the optimal setting of input parameters in the UCG process

**Author(s):** Laciak, M (Laciak, Marek); Raskayova, D (Raskayova, Diana)

**Edited by:** Petras I; Podlubny I; Kacur J

**Source:** PROCEEDINGS OF THE 2016 17TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 418-423 **Published:** 2016

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 0

**Cited Reference Count:** 8

**Total Times Cited (without self-citations):** 2

## **CITOVALI:**

### **Record 1 of 2**

**Title:** Reducing Costs by Graph Algorithms

**Author(s):** Drabikova, E (Drabikova, Elena); Skrbul'akova, EF (Skrbul'akova, Erika Feckova)

**Edited by:** Drotos D; Vasarhelyi J; Czap L; Petras I

**Source:** 2018 19TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 113-117 **Published:** 2018

**Accession Number:** WOS:000439260500025

**Conference Title:** 19th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 28-31, 2018

**Conference Location:** Szilvasvarad, HUNGARY

**Conference Sponsors:** IEEE, IEEE Ind Applicat Soc, Univ Miskolc, Inst Automat & Infocommuniat, IEEE Hungary Sect, Univ Miskolc, Automat & Info Communicat Fdn Supporting Educ Elect Engineers, AGH Univ Sci & Technol, Fac Mech Engn & Robot, Dept Proc Control, VSB Tech Univ Ostrava, Fac Mech Engn, Dept Control Syst & Instrumentat, Tech Univ Kosice, Fac Mining Ecol Proc Control & Geotechnologies, Inst Control & Informatizat Prod Proc, Univ Craiova, Fac Automat Comp & Elect, Dept Automat Control, Jabil Circuit Hungary

**ISBN:** 978-1-5386-4762-2

---

### **Record 2 of 2**

**Title:** APPROACHES TO THE GAS CONTROL IN UCG

**Author(s):** Kacur, J (Kacur, Jan); Kostur, K (Kostur, Karol)

**Source:** ACTA POLYTECHNICA **Volume:** 57 **Issue:** 3 **Pages:** 182-200 **DOI:** 10.14311/AP.2017.57.0182 **Published:** 2017

**Accession Number:** WOS:000411588600003

**ISSN:** 1210-2709

---

## **CITOVANÁ PUBLIKÁCIA:**

**Title:** Design of solar drying-plant for bulk material drying

**Author(s):** Horbaj, P (Horbaj, Peter); Taus, P (Taus, Peter); Fiedorova, Z (Fiedorova, Zuzana); Laciak, M (Laciak, Marek)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 13 **Issue:** 3 **Pages:** 368-373 **Published:** 2008

**Times Cited in Web of Science Core Collection:** 5

**Total Times Cited:** 5

**Usage Count (Last 180 days):** 1

**Usage Count (Since 2013):** 3

**Cited Reference Count:** 8

**Total Times Cited (without self-citations):** 4

## **CITOVALI:**

### **Record 1 of 4**

**Title:** INFLUENCE OF INVESTMENT TO THE LIVING ENVIRONMENT PROTECTION TO THE ECONOMY OF THE COMPANY

**Author(s):** Culkova, K (Culkova, Katarina); Domaracka, L (Domaracka, Lucia); Tausova, M

(Tausova, Marcela); Pavolova, H (Pavolova, Henrieta); Bencoova, B (Bencoova, Barbora)

**Book Group Author(s):** SGEM

**Source:** ECOLOGY, ECONOMICS, EDUCATION AND LEGISLATION CONFERENCE PROCEEDINGS, SGEM 2016, VOL III **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 297-304 **Published:** 2016

**Accession Number:** WOS:000391520200038

**Conference Title:** 16th International Multidisciplinary Scientific Geoconference (SGEM 2016)

**Conference Date:** JUN 30-JUL 06, 2016

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Republ, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Lett, Acad Sci Moldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environm & Water

**ISSN:** 1314-2704

**ISBN:** 978-619-7105-67-4

---

#### **Record 2 of 4**

**Title:** THE MODULAR CONSTRUCTION OF NON-METALLIC MEDIUM TEMPERATURE CONCEPT SOLAR COLLECTOR SOLABLOK

**Author(s):** Rybar, R (Rybar, Radim); Kuzevic, S (Kuzevic, Stefan); Beer, M (Beer, Martin)

**Book Group Author(s):** SGEM

**Source:** GEOCONFERENCE ON ENERGY AND CLEAN TECHNOLOGIES, VOL 1 (SGEM 2014) **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 569-574 **Published:** 2014

**Accession Number:** WOS:000371089600074

**Conference Title:** 14th International Multidisciplinary Scientific Geoconference (SGEM)

**Conference Date:** JUN 17-26, 2014

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Repub, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Letters, Acad Sci Maldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environ & Water

**ISSN:** 1314-2704

**ISBN:** 978-619-7105-15-5

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#### **Record 3 of 4**

**Title:** Economic analysis of operation parameters of the biogas plant in Rozhanovce

**Author(s):** Novacek, E (Novacek, Erich); Tausova, M (Tausova, Marcela)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 17 **Issue:** 4 **Pages:** 278-282 **Published:** 2012

**Accession Number:** WOS:000324682300007

**ISSN:** 1335-1788

---

#### **Record 4 of 4**

**Title:** International science conference RESPECT report to support the renewable energy sources

position in the context of specific scientific-experimental activity branches

**Author(s):** Rybar, P (Rybar, Pavol); Rybar, R (Rybar, Radim)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 13 **Issue:** 3 **Pages:** 335-337 **Published:** 2008

**Accession Number:** WOS:000261612700007

**ISSN:** 1335-1788

---

### **CITOVANÁ PUBLIKÁCIA:**

**Title:** Application of adaptive filters in rock separation by rotary drilling process identification

**Author(s):** Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 20 **Issue:** 1 **Pages:** 38-48 **Published:** 2015

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 5

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 12

**Cited Reference Count:** 20

**Total Times Cited (without self-citations):** 3

### **CITOVALI:**

#### **Record 1 of 3**

**Title:** QUALITY CONTROL OF ROTARY DRILLING PROCESS OF ROCKS BY SHEWHART CHARTS USING THE ACCESSORY VIBRATION SIGNAL

**Author(s):** Feriencikova, K (Feriencikova, Katarina); Lesso, I (Lesso, Igor); Gasparova, Z (Gasparova, Zuzana); Lazarova, E (Lazarova, Edita); Ivanicova, L (Ivanicova, Lucia)

**Book Group Author(s):** SGEM

**Source:** 16TH INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE, SGEM 2016: SCIENCE AND TECHNOLOGIES IN GEOLOGY, EXPLORATION AND MINING, VOL I **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 959-966 **Published:** 2016

**Accession Number:** WOS:000393240700121

**Conference Title:** 16th International Multidisciplinary Scientific Geoconference (SGEM 2016)

**Conference Date:** JUN 30-JUL 06, 2016

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Republ, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Lett, Acad Sci Moldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environm & Water

**ISSN:** 1314-2704

**ISBN:** 978-619-7105-55-1

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#### **Record 2 of 3**

**Title:** Simulation of oil products separation from fibrous sorbent material centrifugally

**Author(s):** Sentyakov, B (Sentyakov, Boris); Repko, A (Repko, Alexandr); Sviatskii, V (Sviatskii, Vladislav); Soldan, M (Soldan, Maros); Nikitin, Y (Nikitin, Yury)

**Source:** ACTA MONTANISTICA SLOVACA **Volume:** 21 **Issue:** 3 **Pages:** 238-246 **Published:** 2016

**Accession Number:** WOS:000387790200008

**ISSN:** 1335-1788

---

### Record 3 of 3

**Title:** Regeneration of a fibrous sorbent based on a centrifugal process for environmental geology of oil and groundwater degradation

**Author(s):** Sviatskii, V (Sviatskii, Vladislav); Repko, A (Repko, Alexandr); Janacova, D (Janacova, Dagmar); Ivandic, Z (Ivandic, Zeljko); Perminova, O (Perminova, Olga); Nikitin, Y (Nikitin, Yury)

**Source:** Acta Montanistica Slovaca **Volume:** 21 **Issue:** 4 **Pages:** 272-279 **Published:** 2016

**Accession Number:** WOS:000392917000002

**ISSN:** 1335-1788

---

### CITOVANÁ PUBLIKÁCIA:

**Title:** Application of optimization method for optimal control of the steelmaking process

**Author(s):** Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Flegner, P (Flegner, Patrik)

**Edited by:** Petras I; Podlubny I; Kacur J; Farana R

**Source:** 2014 15TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 296-300 **Published:** 2014

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 6

**Cited Reference Count:** 13

**Total Times Cited (without self-citations):** 3

### CITOVALI:

#### Record 1 of 3

**Title:** Neural Network Control for Robot Manipulator

**Author(s):** Nawrocka, A (Nawrocka, Agata); Nawrocki, M (Nawrocki, Marcin); Kot, A (Kot, Andrzej)

**Edited by:** Kot A; Nawrocka A

**Source:** 2019 20TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 799-802 **Published:** 2019

**Accession Number:** WOS:000490570500150

**Conference Title:** 20th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 26-29, 2019

**Conference Location:** POLAND

**ISBN:** 978-1-7281-0701-1

---

### Record 2 of 3

**Title:** Reducing Costs by Graph Algorithms

**Author(s):** Drabikova, E (Drabikova, Elena); Skrabul'akova, EF (Skrabul'akova, Erika Feckova)

**Edited by:** Drotos D; Vasarhelyi J; Czap L; Petras I

**Source:** 2018 19TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 113-117 **Published:** 2018

**Accession Number:** WOS:000439260500025

**Conference Title:** 19th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 28-31, 2018

**Conference Location:** Szilvasvarad, HUNGARY

**ISBN:** 978-1-5386-4762-2

---

### Record 3 of 3

**Title:** Mathematical models creation using orchestration and choreography of web services

**Author(s):** Terpak, J (Terpak, Jan); Horovcak, P (Horovcak, Pavel); Lukac, M (Lukac, Matej)

**Edited by:** Petras I; Podlubny I; Kacur J

**Source:** PROCEEDINGS OF THE 2016 17TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 739-742 **Published:** 2016

**Accession Number:** WOS:000389829000138

**Conference Title:** 17th IEEE International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 29-JUN 01, 2016

**Conference Location:** Tatranska Lomnica, SLOVAKIA

**ISBN:** 978-1-4673-8606-7

---

### CITOVANÁ PUBLIKÁCIA:

**Title:** Model for indirect measurements of LD-steelmaking process

**Author(s):** Kostur, K (Kostur, K); Laciak, M (Laciak, M)

**Source:** METALURGIJA **Volume:** 41 **Issue:** 2 **Pages:** 113-116 **Article Number:** UNSP 669.141.245:53.06:519.673=20 **Published:** APR-JUN 2002

**Times Cited in Web of Science Core Collection:** 4

**Total Times Cited:** 4

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 5

**Cited Reference Count:** 4

**Total Times Cited (without self-citations):** 4

### CITOVALI:

#### Record 1 of 4

**Title:** UTILIZATION OF SIGNAL SPACES FOR IMPROVEMENT OF EFFICIENCY OF METALLURGICAL PROCESS

**Author(s):** Lesso, I (Lesso, I.); Flegner, P (Flegner, P.); Futo, J (Futo, J.); Sabova, Z (Sabova, Z.)

**Source:** METALURGIJA **Volume:** 53 **Issue:** 1 **Pages:** 75-77 **Published:** JAN-MAR 2014

**Accession Number:** WOS:000320481400019

**ISSN:** 0543-5846

**eISSN:** 1334-2576

**Record 2 of 4**

**Title:** The Impact of the Sampling Frequency at Indirect Measurement

**Author(s):** Durdan, M (Durdan, Milan); Malindzakova, M (Malindzakova, Marcela); Futo, J (Futo, Jozef); Kacur, J (Kacur, Jan)

**Edited by:** Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

**Source:** PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 62-67 **Published:** 2013

**Accession Number:** WOS:000324243800013

**Conference Title:** 14th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 26-29, 2013

**Conference Location:** Rytro, POLAND

**ISBN:** 978-1-4673-4490-6; 978-1-4673-4488-3

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**Record 3 of 4**

**Title:** Indirect Temperatures Measurement in the UCG Process

**Author(s):** Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan)

**Edited by:** Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

**Source:** PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 73-78 **Published:** 2013

**Accession Number:** WOS:000324243800015

**Conference Title:** 14th International Carpathian Control Conference (ICCC)

**Conference Date:** MAY 26-29, 2013

**Conference Location:** Rytro, POLAND

**ISBN:** 978-1-4673-4490-6; 978-1-4673-4488-3

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**Record 4 of 4**

**Title:** SYSTEM FOR INDIRECT MEASUREMENT OF THE HEAT FLOWS AT ANNEALING OF THE STEEL COILS

**Author(s):** Durdan, M (Durdan, Milan); Kacur, J (Kacur, Jan)

**Source:** ACTA METALLURGICA SLOVACA **Volume:** 19 **Issue:** 2 **Pages:** 112-121 **DOI:** 10.12776/ams.v19i2.95 **Published:** 2013

**Accession Number:** WOS:000421092000004

**ISSN:** 1335-1532

**eISSN:** 1338-1156

---

**CITOVANÁ PUBLIKÁCIA:**

**Title:** Some Influences of Underground Coal Gasification on the Environment

**Author(s):** Kostur, K (Kostur, Karol); Laciak, M (Laciak, Marek); Durdan, M (Durdan, Milan)

**Source:** SUSTAINABILITY **Volume:** 10 **Issue:** 5 **Article**

**Number:** 1512 **DOI:** 10.3390/su10051512 **Published:** MAY 2018

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**Total Times Cited:** 3

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 6

**Cited Reference Count:** 84

**Total Times Cited (without self-citations): 2**

**CITOVALI:**

**Record 1 of 2**

**Title:** Underground coal gasification - A numerical approach to study the formation of syngas and its reactive transport in the surrounding strata

**Author(s):** Zagorscak, R (Zagorscak, Renato); An, N (An, Ni); Palange, R (Palange, Rupesh); Green, M (Green, Michael); Krishnan, M (Krishnan, Murugesan); Thomas, HR (Thomas, Hywel Rhys)

**Source:** FUEL **Volume:** 253 **Pages:** 349-360 **DOI:** 10.1016/j.fuel.2019.04.164 **Published:** OCT 1 2019

**Accession Number:** WOS:000471841600037

**Conference Title:** 12th European Conference on Fuel and Energy Research and its Applications (ECCRIA)

**Conference Date:** SEP 05-07, 2018

**Conference Location:** Cardiff Univ, Cardiff, WALES

**Conference Host:** Cardiff Univ

**ISSN:** 0016-2361

**eISSN:** 1873-7153

---

**Record 2 of 2**

**Title:** Monitoring and Control in Underground Coal Gasification: Current Research Status and Future Perspective

**Author(s):** Xiao, YT (Xiao, Yuteng); Yin, JH (Yin, Jihang); Hu, YF (Hu, Yifan); Wang, JZ (Wang, Junzhe); Yin, HS (Yin, Hongsheng); Qi, HG (Qi, Honggang)

**Source:** SUSTAINABILITY **Volume:** 11 **Issue:** 1 **Article Number:** 217 **DOI:** 10.3390/su11010217 **Published:** JAN 1 2019

**Accession Number:** WOS:000457127300217

**ISSN:** 2071-1050

---

**CITOVANÁ PUBLIKÁCIA:**

**Title:** Processing a measured vibroacoustic signal for rock type recognition in rotary drilling technology

**Author(s):** Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)

**Source:** MEASUREMENT **Volume:** 134 **Pages:** 451-467 **DOI:** 10.1016/j.measurement.2018.10.090 **Published:** FEB 2019

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Usage Count (Last 180 days):** 1

**Usage Count (Since 2013):** 2

**Cited Reference Count:** 55

**Total Times Cited (without self-citations):** 1

**CITOVALI:**

### Record 1 of 1

**Title:** Vibration signal for identification of concrete drilling process and drill bit wear  
**Author(s):** Lazarova, E (Lazarova, Edita); Krul'akova, M (Krul'akova, Maria); Labas, M (Labas, Milan); Ivanicova, L (Ivanicova, Lucia); Feriencikova, K (Feriencikova, Katarina)  
**Source:** ENGINEERING FAILURE ANALYSIS **Volume:** 108 **Article Number:** UNSP 104302 **DOI:** 10.1016/j.engfailanal.2019.104302 **Published:** JAN 2020  
**Accession Number:** WOS:000505213100057  
**ISSN:** 1350-6307  
**eISSN:** 1873-1961

---

### CITOVANÁ PUBLIKÁCIA:

**Title:** Evaluating Noise Sources in a Working Environment when Disintegrating Rocks by Rotary Drilling  
**Author(s):** Flegner, P (Flegner, Patrik); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)  
**Source:** POLISH JOURNAL OF ENVIRONMENTAL STUDIES **Volume:** 28 **Issue:** 5 **Pages:** 3711-3720 **DOI:** 10.15244/pjoes/94848 **Published:** 2019  
**Times Cited in Web of Science Core Collection:** 2  
**Total Times Cited:** 2  
**Usage Count (Last 180 days):** 1  
**Usage Count (Since 2013):** 1  
**Cited Reference Count:** 40  
**Total Times Cited (without self-citations):** 2

### CITOVALI:

#### Record 1 of 2

**Title:** Vibration signal for identification of concrete drilling process and drill bit wear  
**Author(s):** Lazarova, E (Lazarova, Edita); Krul'akova, M (Krul'akova, Maria); Labas, M (Labas, Milan); Ivanicova, L (Ivanicova, Lucia); Feriencikova, K (Feriencikova, Katarina)  
**Source:** ENGINEERING FAILURE ANALYSIS **Volume:** 108 **Article Number:** UNSP 104302 **DOI:** 10.1016/j.engfailanal.2019.104302 **Published:** JAN 2020  
**Accession Number:** WOS:000505213100057  
**ISSN:** 1350-6307  
**eISSN:** 1873-1961

---

#### Record 2 of 2

**Title:** Multiple regression model for prediction of rock properties using acoustic frequency during core drilling operations  
**Author(s):** Kumar, CV (Kumar, Ch Vijaya); Vardhan, H (Vardhan, Harsha); Murthy, CSN (Murthy, Ch S. N.)  
**Source:** GEOMECHANICS AND GEOENGINEERING-AN INTERNATIONAL JOURNAL **DOI:** 10.1080/17486025.2019.1641631 **Early Access Date:** JUL 2019  
**Accession Number:** WOS:000490864800001  
**ISSN:** 1748-6025

eISSN: 1748-6033

---

### CITOVANÁ PUBLIKÁCIA:

**Title:** Utilization of the PLC as a Web Server for Remote Monitoring of the Technological Process

**Author(s):** Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek)

**Edited by:** Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

**Source:** PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 144-149 **Published:** 2013

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 2

**Cited Reference Count:** 11

**Total Times Cited (without self-citations):** 2

### CITOVALI:

#### Record 1 of 2

**Title:** The Design of a HMI for Additive Manufacturing

**Author(s):** Rodrigues, M (Rodrigues, Marco); Pereira, JP (Pereira, Joao Paulo); Moreira, PM (Moreira, Pedro Miguel)

**Book Group Author(s):** IEEE

**Source:** 2019 14TH IBERIAN CONFERENCE ON INFORMATION SYSTEMS AND TECHNOLOGIES (CISTI) **Book Series:** Iberian Conference on Information Systems and Technologies **Published:** 2019

**Accession Number:** WOS:000492038200340

**Conference Title:** 14th Iberian Conference on Information Systems and Technologies (CISTI)

**Conference Date:** JUN 19-22, 2019

**Conference Location:** Coimbra, PORTUGAL

**ISSN:** 2166-0727

**ISBN:** 978-9-8998-4349-3

---

#### Record 2 of 2

**Title:** Remote Monitoring System for Distributed Photovoltaic Based on ZigBee

**Author(s):** Cheng, YL (Cheng Yaling); Zou, XP (Zou Xiaoping); Zhuang, GT (Zhuang Guangtao); Teng, GQ (Teng Gongqing); Qu, WW (Qu Weiwei)

**Book Group Author(s):** IEEE

**Source:** PROCEEDINGS OF 2015 4TH INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND NETWORK TECHNOLOGY (ICCSNT 2015) **Pages:** 867-871 **Published:** 2015

**Accession Number:** WOS:000393314500178

**Conference Title:** 4th International Conference on Computer Science and Network Technology (ICCSNT)

**Conference Date:** DEC 19-20, 2015

**Conference Location:** Harbin, PEOPLES R CHINA

**Conference Sponsors:** Heilongjiang Univ, Dalian Jiaotong Univ, NE Normal Univ, Shaanxi Normal Univ, Harbin Inst Technol, IEEE, IEEE Harbin Sect  
**ISBN:** 978-1-4673-8173-4

---

### **CITOVANÁ PUBLIKÁCIA:**

**Title:** THE DEVELOPMENT OF APPLICATIONS BASED ON GPS FOR THE TECHNOLOGY OF SUNLIGHT BOOSTER

**Author(s):** Taus, P (Taus, Peter); Laciak, M (Laciak, Marek); Vanek, J (Vanek, Jiri); Kudelas, D (Kudelas, Dusan); Kosco, J (Kosco, Jan)

**Book Group Author(s):** SGEM

**Source:** GEOCONFERENCE ON ENERGY AND CLEAN TECHNOLOGIES **Book**

**Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 251-258 **Published:** 2013

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Usage Count (Last 180 days):** 1

**Usage Count (Since 2013):** 3

**Cited Reference Count:** 7

**Total Times Cited (without self-citations):** 2

### **CITOVALI:**

#### **Record 1 of 2**

**Title:** INFORMATION AND COMMUNICATION TECHNOLOGIES IN TOURISM OF SLOVAKIA

**Author(s):** Tausova, M (Tausova, Marcela); Stehlikova, B (Stehlikova, Beata); Culkova, K (Culkova, Katarina); Mihalikova, E (Mihalikova, Eva)

**Book Group Author(s):** SGEM

**Source:** INFORMATICS, GEOINFORMATICS AND REMOTE SENSING, VOL I (SGEM 2015) **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 131-138 **Published:** 2015

**Accession Number:** WOS:000371599500018

**Conference Title:** 15th International Multidisciplinary Scientific Geoconference (SGEM)

**Conference Date:** JUN 18-24, 2015

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Repub, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Letters, Acad Sci Moldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environ & Water

**ISSN:** 1314-2704

**ISBN:** 978-619-7105-34-6

---

#### **Record 2 of 2**

**Title:** THE MODULAR CONSTRUCTION OF NON-METALLIC MEDIUM TEMPERATURE CONCEPT SOLAR COLLECTOR SOLABLOK

**Author(s):** Rybar, R (Rybar, Radim); Kuzevic, S (Kuzevic, Stefan); Beer, M (Beer, Martin)

**Book Group Author(s):** SGEM

**Source:** GEOCONFERENCE ON ENERGY AND CLEAN TECHNOLOGIES, VOL 1 (SGEM 2014) **Book Series:** International Multidisciplinary Scientific GeoConference-SGEM **Pages:** 569-574 **Published:** 2014

**Accession Number:** WOS:000371089600074

**Conference Title:** 14th International Multidisciplinary Scientific Geoconference (SGEM)

**Conference Date:** JUN 17-26, 2014

**Conference Location:** Albena, BULGARIA

**Conference Sponsors:** Bulgarian Acad Sci, Acad Sci Czech Repub, Latvian Acad Sci, Polish Acad Sci, Russian Acad Sci, Serbian Acad Sci & Arts, Slovak Acad Sci, Natl Acad Sci Ukraine, Inst Water Problem & Hydropower NAS KR, Natl Acad Sci Armenia, Sci Council Japan, World Acad Sci, European Acad Sci Arts & Letters, Acad Sci Moldova, Montenegrin Acad Sci & Arts, Croatian Acad Sci & Arts, Georgian Natl Acad Sci, Acad Fine Arts & Design Bratislava, Turkish Acad Sci, Bulgarian Ind Assoc, Bulgarian Minist Environ & Water

**ISSN:** 1314-2704

**ISBN:** 978-619-7105-15-5

---

#### **CITOVANÁ PUBLIKÁCIA:**

**Title:** System of indirect measurement temperature of melt with adaptation module

**Author(s):** Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Durdan, M (Durdan, Milan); Flegner, P (Flegner, Patrik)

**Edited by:** Petras I; Podlubny I; Kacur J; Vasarhelyi J

**Source:** 2015 16TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 277-281 **Published:** 2015

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 0

**Cited Reference Count:** 14

**Total Times Cited (without self-citations):** 1

#### **CITOVALI:**

**Record 1 of 1**

**Title:** THERMOCHEMICAL CALCULATIONS USING SERVICE-ORIENTED ARCHITECTURE IN THE WEB SERVICE FORM

**Author(s):** Horovcak, P (Horovcak, Pavel); Terpak, J (Terpak, Jan)

**Source:** ACTA POLYTECHNICA **Volume:** 58 **Issue:** 1 **Pages:** 26-36 **DOI:** 10.14311/AP.2018.58.0026 **Published:** 2018

**Accession Number:** WOS:000429307000004

**ISSN:** 1210-2709

---

#### **CITOVANÁ PUBLIKÁCIA:**

**Title:** Designing of the technological line in the SCADA system PROMOTIC

**Author(s):** Laciak, M (Laciak, Marek); Sofranko, M (Sofranko, Marian)

**Edited by:** Petras I; Podlubny I; Kacur J; Nawrocka A; Sapinski B

**Source:** PROCEEDINGS OF THE 2013 14TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC) **Pages:** 202-206 **Published:** 2013

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Usage Count (Last 180 days):** 0

**Usage Count (Since 2013):** 5

**Cited Reference Count:** 10

**Total Times Cited (without self-citations):** 1

## CITOVALI:

### Record 1 of 1

**Title:** Case study: the simulation modeling to improve the efficiency and performance of production process

**Author(s):** Rosova, A (Rosova, Andrea); Behun, M (Behun, Marcel); Khouri, S (Khouri, Samer); Cehlar, M (Cehlar, Michal); Ferencz, V (Ferencz, Vojtech); Sofranko, M (Sofranko, Marian)

**Source:** WIRELESS NETWORKS **DOI:** 10.1007/s11276-020-02341-z **Early Access**

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**Accession Number:** WOS:000530602200001

**ISSN:** 1022-0038

**eISSN:** 1572-8196

---

## CITOVANÁ PUBLIKÁCIA:

**Title:** Evaluation of synthetic gas harmful effects created at the underground coal gasification process realized in laboratory conditions

**Author(s):** Durdan, M (Durdan, Milan); Laciak, M (Laciak, Marek); Kacur, J (Kacur, Jan); Flegner, P (Flegner, Patrik); Kostur, K (Kostur, Karol)

**Source:** MEASUREMENT **Volume:** 147 **Article Number:** UNSP 106866 **DOI:** 10.1016/j.measurement.2019.106866 **Published:** DEC 2019

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

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**Usage Count (Since 2013):** 38

**Cited Reference Count:** 25

**Total Times Cited (without self-citations):** 1

## CITOVALI:

### Record 1 of 1

**Title:** Ignition of bio-water-coal fuels based on coal and charcoal

**Author(s):** Kuznetsov, GV (Kuznetsov, G. V.); Malyshev, DY (Malyshev, D. Yu.); Syrodoy, SV (Syrodoy, S. V.); Gutareva, NY (Gutareva, N. Yu.); Purin, MV (Purin, M. V.); Kostoreva, ZA (Kostoreva, Zh. A.)

**Source:** COMBUSTION SCIENCE AND TECHNOLOGY

**DOI:** 10.1080/00102202.2020.1799203 **Early Access Date:** AUG 2020

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v zb. konferencie - <b>7</b>	0	3	9	4
spolu	<b>11</b>	<b>82</b>	<b>35</b>	<b>74</b>

V Košiciach 23.09.2020

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doc. Ing. Marek Laciak, PhD.  
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**Technická univerzita v Košiciach**  
**Fakulta baníctva, ekológie, riadenia a geotechnológií**

**PREHEAD CITAČNÝCH OHLASOV V DATABÁZE**  
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**doc. Ing. Marek Laciak, PhD.**

**Košice, september 2020**

## PREHĽAD CITAČNÝCH OHLASOV AUTORA V DATABÁZE (výpis z databázy Scopus)

### CITOVANÁ PUBLIKÁCIA:

Laciak, M., Kostúr, K., Durdán, M., Kačur, J., Flegner, P.  
24448687200;6602506934;46060936100;24447701200;16303507300;  
The analysis of the underground coal gasification in experimental equipment  
(2016) Energy, 114, pp. 332-343. Cited 34 times.  
DOI: 10.1016/j.energy.2016.08.004  
DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
ACCESS TYPE: Open Access  
SOURCE: Scopus

**Cited without self-citations and WoS: 3**

### CITOVALI:

You, L.-J., Li, X.-L., Kang, Y.-L., Chen, M.-J., Liu, J.  
56489708600;57216489361;8210767000;57199453341;57217193028;  
Advantages of thermal stimulation to induce shale cracking after hydraulic fracturing over  
organic-rich shale reservoirs [富有机质页岩储层热激致裂增渗的有利条件]  
(2020) Natural Gas Geoscience, 31 (3), pp. 325-334.

DOI: 10.11764/j.issn.1672-1926.2019.11.009

DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Jowkar, A., Sereshki, F., Najafi, M.  
57200603866;26028121500;56400371000;  
Numerical simulation of UCG process with the aim of increasing calorific value of syngas  
(2020) International Journal of Coal Science and Technology, 7 (1), pp. 196-207.

DOI: 10.1007/s40789-019-00288-x

DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
ACCESS TYPE: Open Access  
SOURCE: Scopus

---

Hamanaka, A., Itakura, K.-I., Su, F.-Q., Deguchi, G., Kodama, J.-I.  
36981614900;7102938968;55522280400;36934159200;35494593700;  
Estimation of gasification area of underground coal gasification by using acoustic emission  
monitoring  
(2018) ISRM International Symposium - 10th Asian Rock Mechanics Symposium, ARMS  
2018, .

DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Kačur, J., Durdán, M., Laciak, M., Flegner, P.  
24447701200;46060936100;24448687200;16303507300;  
Impact analysis of the oxidant in the process of underground coal gasification  
(2014) Measurement: Journal of the International Measurement Confederation, 51 (1), pp. 147-155. Cited 29 times.  
DOI: 10.1016/j.measurement.2014.01.036  
DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
SOURCE: Scopus  
**Cited without self-citations and WoS: 2**

**CITOVALI:**

Hamanaka, A., Su, F.Q., Itakura, K., Takahashi, K., Kodama, J., Deguchi, G.  
36981614900;55522280400;7102938968;55741275000;35494593700;36934159200;  
Large-scale laboratory experiment on development of underground coal gasification with horizontal well  
(2019) 5th ISRM Young Scholars' Symposium on Rock Mechanics and International Symposium on Rock Engineering for Innovative Future, YSRM 2019, pp. 81-86.  
  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Hamanaka, A., Itakura, K.-I., Su, F.-Q., Deguchi, G., Kodama, J.-I.  
36981614900;7102938968;55522280400;36934159200;35494593700;  
Estimation of gasification area of underground coal gasification by using acoustic emission monitoring  
(2018) ISRM International Symposium - 10th Asian Rock Mechanics Symposium, ARMS 2018, .  
  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Flegner, P., Kačur, J., Durdán, M., Leššo, I., Laciak, M.  
16303507300;24447701200;46060936100;6508285633;24448687200;  
Measurement and processing of vibro-acoustic signal from the process of rock disintegration by rotary drilling  
(2014) Measurement: Journal of the International Measurement Confederation, 56, pp. 178-193. Cited 27 times.  
DOI: 10.1016/j.measurement.2014.06.025  
DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
SOURCE: Scopus

**Cited without self-citations and WoS: 1**

**CITOVALI:**

Lakshminarayana, C.R., Tripathi, A.K., Pal, S.K.

57204877151;36110511500;35570021100;

Prediction of physico-mechanical properties of rocks using dominant frequency of vibration during rotary drilling

(2018) International Journal of Engineering and Technology(UAE), 7 (4), pp. 3360-3366.

Cited 1 time.

DOI: 10.14419/ijet.v7i4.12935

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Flegner, P., Kačur, J., Durdán, M., Laciak, M., Stehlíková, B., Pástor, M.

16303507300;24447701200;46060936100;24448687200;14052817700;56357188300;

Significant damages of core diamond bits in the process of rocks drilling

(2016) Engineering Failure Analysis, 59, pp. 354-365. Cited 14 times.

DOI: 10.1016/j.engfailanal.2015.10.016

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

**Cited without self-citations and WoS: 1**

**CITOVALI:**

Wang, J., Wei, W., Zhang, S., Peng, F.

36992700300;57203226533;15764283500;57203224694;

Effects of silicone carbide and its additive amount on diamond bit property

(2018) Chemical Engineering Transactions, 66, pp. 805-810. Cited 2 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050979761&doi=10.3303/CET1866135&partnerID=40&md5=50e7fe17c3bb45edba4805dded025d51)

[85050979761&doi=10.3303/CET1866135&partnerID=40&md5=50e7fe17c3bb45edba4805dded025d51](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050979761&doi=10.3303/CET1866135&partnerID=40&md5=50e7fe17c3bb45edba4805dded025d51)

DOI: 10.3303/CET1866135

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Kostúr, K., Laciak, M., Durdán, M., Kačur, J., Flegner, P.

6602506934;24448687200;46060936100;24447701200;16303507300;

Low-calorific gasification of underground coal with a higher humidity

(2015) Measurement: Journal of the International Measurement Confederation, 63, pp. 69-80.

Cited 12 times.

DOI: 10.1016/j.measurement.2014.12.016

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

**Cited without self-citations and WoS: 1**

#### **CITOVALI:**

Howaniec, N.

26658450500;

Temperature induced development of porous structure of bituminous coal chars at high pressure

(2016) Journal of Sustainable Mining, 15 (3), pp. 120-124. Cited 8 times.

DOI: 10.1016/j.jsm.2016.12.002

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

ACCESS TYPE: Open Access

SOURCE: Scopus

---

#### **CITOVANÁ PUBLIKÁCIA:**

Durdán, M., Stehlíková, B., Pástor, M., Kačur, J., Laciak, M., Flegner, P.

46060936100;14052817700;56357188300;24447701200;24448687200;16303507300;

Research of annealing process in laboratory conditions

(2015) Measurement: Journal of the International Measurement Confederation, 73, pp. 607-618. Cited 5 times.

DOI: 10.1016/j.measurement.2015.06.008

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

**Cited without self-citations and WoS: 1**

#### **CITOVALI:**

Pandová, I.

36105518300;

Treatment of water with respect to ferric cations by adsorption on a natural zeolite

(2019) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19 (3.1), pp. 601-608.

DOI: 10.5593/sgem2019/3.1/S12.077

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Flegner, P., Kačur, J., Durdán, M., Laciak, M.  
16303507300;24447701200;46060936100;24448687200;  
Application of adaptive filters in rock separation by rotary drilling process identification  
(2015) Acta Montanistica Slovaca, 20 (1), pp. 38-48. Cited 7 times.  
DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
SOURCE: Scopus  
SOURCE: Scopus  
**Cited without self-citations and WoS: 2**

**CITOVALI:**

Rybár, P., Wittenberger, G., Čambál, J., Horanský, K.  
6603743281;55251869300;57205146135;57205171410;  
Innovative methods in rock disintegration  
(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and  
Mining Ecology Management, SGEM, 18 (1.4), pp. 531-540.

DOI: 10.5593/sgem2018/1.4/S06.069  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Liu, G., Zhang, J., Liu, C., Yang, F., Du, J.  
55706591600;57189386615;56729329700;57194451087;57194459316;  
An identification method of vibration signal features when bit drills different mediums  
(2017) Zhendong yu Chongji/Journal of Vibration and Shock, 36 (8), pp. 71-78 and 104.  
Cited 3 times.

DOI: 10.13465/j.cnki.jvs.2017.08.012  
DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Laciak, M., Kačur, J., Durdán, M., Flegner, P.  
24448687200;24447701200;46060936100;16303507300;  
Application of optimization method for optimal control of the steelmaking process  
(2014) Proceedings of the 2014 15th International Carpathian Control Conference, ICCO  
2014, art. no. 6843615, pp. 296-300. Cited 6 times.  
DOI: 10.1109/CarpathianCC.2014.6843615  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus  
**Cited without self-citations and WoS: 2**

**CITOVALI:**

Nawrocka, A., Kot, A., Nawrocki, M.  
36247521800;24399386500;55339145600;  
Neural network control of nonlinear objects  
(2016) Proceedings of the 2016 17th International Carpathian Control Conference, ICC  
2016, art. no. 7501152, pp. 517-522. Cited 1 time.

DOI: 10.1109/CarpathianCC.2016.7501152

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Horovčák, P., Terpák, J., Lukáč, M.

16444058200;6506701642;56895813500;

Draft for extension and amendment ThermoChemDC web service

(2015) Proceedings of the 2015 16th International Carpathian Control Conference, ICC  
2015, art. no. 7145068, pp. 170-174. Cited 1 time.

DOI: 10.1109/CarpathianCC.2015.7145068

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Kostúr, K., Laciak, M., Durdan, M.

6602506934;24448687200;46060936100;

Some influences of Underground Coal Gasification on the environment

(2018) Sustainability (Switzerland), 10 (5), art. no. 1512, . Cited 4 times.

DOI: 10.3390/su10051512

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

ACCESS TYPE: Open Access

SOURCE: Scopus

**Cited without self-citations and WoS: 1**

**CITOVALI:**

Guo, P., Bu, M., He, M., Wang, Y.

35118980600;57217589591;7402609116;56668796400;

Experimental investigation on thermal conductivity of clay-bearing sandstone subjected to  
different treatment processes: Drying, wetting and drying II

(2020) Geothermics, 88, art. no. 101909, .

DOI: 10.1016/j.geothermics.2020.101909

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

**CITOVANÁ PUBLIKÁCIA:**

Flegner, P., Kačur, J., Durdán, M., Laciak, M.  
Shewhart control charts as a tool for analyzing the revolutions of drilling equipment  
(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and  
Mining Ecology Management, SGEM, 17 (21), pp. 549-556. Cited 1 time.  
DOI: 10.5593/sgem2017/21/S07.070  
PUBLISHER: International Multidisciplinary Scientific Geoconference  
DOCUMENT TYPE: Conference Paper  
SOURCE: Scopus

**Cited without self-citations and WoS: 1**

**CITOVALI:**

Gerasina, T., Zarubin, A., Zarubina, O.  
57189523421;57211402419;57209307841;  
Statistical methods for monitoring the operation of cathodic protection stations  
(2019) E3S Web of Conferences, 121, art. no. 01004, .

DOI: 10.1051/e3sconf/201912101004  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
ACCESS TYPE: Open Access  
SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Mudarri, T., Laciak, M., Kačur, J., Flegner, P., Durdán, M.  
The verification of models for indirect measurement melt temperature in steelmaking process  
(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and  
Mining Ecology Management, SGEM, 17 (21), pp. 711-717. Cited 1 time.  
DOI: 10.5593/sgem2017/21/S07.091  
PUBLISHER: International Multidisciplinary Scientific Geoconference  
DOCUMENT TYPE: Conference Paper  
SOURCE: Scopus

**Cited without self-citations and WoS: 1**

**CITOVALI:**

Moise, A., Bucur, G., Popescu, C.  
56457953800;56271675300;56272948300;  
Implementing a PLC based temperature control system for a drying ceramic products  
industrial process  
(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and  
Mining Ecology Management, SGEM, 18 (2.1), pp. 461-468.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058901661&doi=10.5593%2fsgem2018%2f2.1%2fS07.058&partnerID=40&md5=bd2f6b7b8bbf0106cdeeba66aa883318>

DOI: 10.5593/sgem2018/2.1/S07.058  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

#### **CITOVANÁ PUBLIKÁCIA:**

Laciak, M., Šofranko, M.

Optimization of device selection in design of technological lines for the aggregates production (2014) Applied Mechanics and Materials, 611, pp. 387-394. Cited 5 times.

DOI: 10.4028/www.scientific.net/AMM.611.387

PUBLISHER: Trans Tech Publications Ltd

DOCUMENT TYPE: Article

SOURCE: Scopus

**Cited without self-citations and WoS: 5**

#### **CITOVALI:**

Fehér, J., Čambál, J.

57205148023;57205146135;

Minimizing the seismic effects of blasting works on the environment in the mining of raw materials

(2020) Topical Issues of Rational Use of Natural Resources 2019, 1, pp. 22-31.

DOI: 10.1201/9781003014577-4

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Kot, A., Nawrocka, A., Sioma, A.

24399386500;36247521800;6504626670;

Testing of a human sway at balance platform

(2018) Proceedings of the 2018 19th International Carpathian Control Conference, ICC 2018, pp. 118-121. Cited 1 time.

DOI: 10.1109/CarpathianCC.2018.8399613

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Fehér, J., Čambál, J., Kačmár, L., Cvoliga, M., Sulovec, V.

57205148023;57205146135;35085194600;57205149666;57205142574;

Monitoring of blasting works for tunneling and their impact on seismic and noise effects on surrounding buildings

(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (1.1), pp. 901-908.

DOI: 10.5593/sgem2018/1.1/S05.112  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Rybár, P., Wittenberger, G., Čambál, J., Horanský, K.  
6603743281;55251869300;57205146135;57205171410;  
Innovative methods in rock disintegration  
(2018) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18 (1.4), pp. 531-540.

DOI: 10.5593/sgem2018/1.4/S06.069  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Kot, A., Nawrocka, A.  
24399386500;36247521800;  
Double inverted pendulum for human hip strategy of balance modelling  
(2016) Proceedings of the 2016 17th International Carpathian Control Conference, ICC 2016, art. no. 7501125, pp. 368-371. Cited 5 times.

DOI: 10.1109/CarpathianCC.2016.7501125  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

#### **CITOVANÁ PUBLIKÁCIA:**

Laciak, M., Kačur, J., Durdán, M.  
Verification of the system for indirect temperatures measurement in the massive batch  
(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC 2012, art. no. 6228678, pp. 413-417. Cited 3 times.

DOI: 10.1109/CarpathianCC.2012.6228678  
DOCUMENT TYPE: Conference Paper  
SOURCE: Scopus

**Cited without self-citations and WoS: 1**

#### **CITOVALI:**

Karol, Kostúr  
56278100300;  
Mathematical modeling temperature's fields in overburden during underground coal gasification  
(2014) Proceedings of the 2014 15th International Carpathian Control Conference, ICC 2014, art. no. 6843606, pp. 248-253. Cited 7 times.

DOI: 10.1109/CarpathianCC.2014.6843606

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Durdán, M., Kačur, J., Laciak, M.

Discreet control of annealing process with utilization of indirect measurement

(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC 2012, art. no. 6228631, pp. 141-146. Cited 1 time.

DOI: 10.1109/CarpathianCC.2012.6228631

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

**Cited without self-citations and WoS: 1**

**CITOVALI:**

Lesso, I., Flegner, P., Feriencikova, K., Sabova, Z.

6508285633;16303507300;46060959800;55777155000;

Some problems in application of the theory of abstract spaces

(2013) Proceedings of the 2013 14th International Carpathian Control Conference, ICC 2013, art. no. 6560540, pp. 212-217. Cited 9 times.

DOI: 10.1109/CarpathianCC.2013.6560540

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Kačur, J., Durdán, M., Laciak, M.

System for indirect measurement of the heat flows in the annealing process

(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC 2012, art. no. 6228650, pp. 259-263. Cited 4 times.

DOI: 10.1109/CarpathianCC.2012.6228650

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

**Cited without self-citations and WoS: 4**

**CITOVALI:**

Terpak, J., Horovcak, P., Lukac, M.

6506701642;16444058200;56895813500;

Numerical solution for time fractional-order diffusion-wave equation using explicit finite difference method in web service form

(2017) 2017 18th International Carpathian Control Conference, ICCC 2017, art. no. 7970413, pp. 290-295. Cited 2 times.

DOI: 10.1109/CarpathianCC.2017.7970413  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Lukáč, M., Terpák, J., Horovčák, P.  
56895813500;6506701642;16444058200;  
The utilization of the service oriented architecture for creating the model of cooling the material  
(2016) Proceedings of the 2016 17th International Carpathian Control Conference, ICCC 2016, art. no. 7501140, pp. 451-454. Cited 1 time.

DOI: 10.1109/CarpathianCC.2016.7501140  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Terpák, J., Horovčák, P., Horváth, M., Žecová, M.  
6506701642;16444058200;56278359600;55320488300;  
The proposal of web service for support of specific thermochemical calculations  
(2014) Proceedings of the 2014 15th International Carpathian Control Conference, ICCC 2014, art. no. 6843677, pp. 608-612. Cited 2 times.

DOI: 10.1109/CarpathianCC.2014.6843677  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Žecová, M., Terpák, J., Dorčák, L.  
55320488300;6506701642;6507791134;  
The modeling of heat conduction using integer-and fractional-order derivatives  
(2014) Proceedings of the 2014 15th International Carpathian Control Conference, ICCC 2014, art. no. 6843697, pp. 710-715. Cited 1 time.

DOI: 10.1109/CarpathianCC.2014.6843697  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

#### **CITOVANÁ PUBLIKÁCIA:**

Kačur, J., Laciak, M., Durdán, M.  
Remote monitoring of the temperatures for indirect measurement system  
(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICCC 2012, art. no. 6228651, pp. 264-268. Cited 3 times.  
DOI: 10.1109/CarpathianCC.2012.6228651

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

**Cited without self-citations and WoS: 3**

**CITOVALI:**

Wittenberger, G., Šofranko, M., Végsőová, O.

55251869300;16445100400;56331164300;

New deep - Well boring technologies of rock disintegration

(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (14), pp. 749-756. Cited 3 times.

DOI: 10.5593/sgem2017/14/S06.094

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Kostúr, K., Ďurove, J.

6602506934;56641900800;

The laboratory research of syngas composition and its calorific value in UCG

(2014) 31st Annual International Pittsburgh Coal Conference: Coal - Energy, Environment and Sustainable Development, PCC 2014, .

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Karol, Kostúr

56278100300;

Mathematical modeling temperature's fields in overburden during underground coal gasification

(2014) Proceedings of the 2014 15th International Carpathian Control Conference, ICC 2014, art. no. 6843606, pp. 248-253. Cited 7 times.

DOI: 10.1109/CarpathianCC.2014.6843606

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

**CITOVANÁ PUBLIKÁCIA:**

Laciak, M., Durdán, M., Kačur, J.

Utilization of indirect measurement in the annealing process of the steel coils

(2012) Acta Metallurgica Slovaca, 18 (1), pp. 40-49. Cited 13 times.

DOCUMENT TYPE: Article

SOURCE: Scopus

**Cited without self-citations and WoS: 9**

**CITOVALI:**

Malindzakova, M., Caganova, D., Rosova, A., Malindzak, D.  
47962324900;55890032400;55555816100;6506109112;  
Risk analysis causing downtimes in production process of hot rolling mill  
(2017) Smart City 360 2016 - 2nd EAI International Summit, .

DOI: 10.4108/eai.14-2-2017.152161  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
ACCESS TYPE: Open Access  
SOURCE: Scopus

---

Malindžáková, M., Rosová, A., Baranová, V., Futó, J.  
47962324900;55555816100;55834979700;6603233157;  
Modelling of outbursts and ejections occurrences during steel production  
(2015) Metalurgija, 54 (1), pp. 247-250.

DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Leško, I., Horovčák, P., Flegner, P., Gašpárová, Z.  
6508285633;16444058200;16303507300;56896050300;  
Contribution to the problem of knowledge discovery of a processional character in databases  
(2015) Proceedings of the 2015 16th International Carpathian Control Conference, ICCS  
2015, art. no. 7145091, pp. 290-294.

DOI: 10.1109/CarpathianCC.2015.7145091  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Leško, I., Flegner, P., Futó, J., Sabová, Z.  
6508285633;16303507300;6603233157;55777155000;  
Utilization of signal spaces for improvement of efficiency of metallurgical process  
(2014) Metalurgija, 53 (1), pp. 75-77. Cited 19 times.

DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Leško, I., Flegner, P., Horovčák, P., Stehlíková, B., Sabová, Z.  
6508285633;16303507300;16444058200;14052817700;55777155000;  
Some problems in control of the quality of the process of rotary drilling of rocks by using  
suitable visualization of concurrent vibrations  
(2014) Proceedings of the 2014 15th International Carpathian Control Conference, ICCS  
2014, art. no. 6843618, pp. 310-315. Cited 4 times.

DOI: 10.1109/CarpathianCC.2014.6843618  
DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Lesso, I., Flegner, P., Feriencikova, K., Sabova, Z.

6508285633;16303507300;46060959800;55777155000;

Some problems in application of the theory of abstract spaces

(2013) Proceedings of the 2013 14th International Carpathian Control Conference, ICC 2013, art. no. 6560540, pp. 212-217. Cited 9 times.

DOI: 10.1109/CarpathianCC.2013.6560540

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Lesso, I., Flegner, P., Sabová, Z.

6508285633;16303507300;55777155000;

Improving the capability of metallurgical process by Hilbert space utilization

(2013) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1, pp. 145-150. Cited 1 time.

DOI: 10.5593/SGEM2013/BB2.V1/S07.019

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Horovcak, P., Stehlikova, B.

16444058200;14052817700;

The use of SOA in the development of complex web applications

(2013) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1, pp. 265-272.

DOI: 10.5593/SGEM2013/BB2.V1/S07.035

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Horovčák, P., Terpák, J.

16444058200;6506701642;

The application of service oriented architecture in calculation of thermochemical properties in web service form

(2012) Acta Montanistica Slovaca, 17 (2), pp. 92-102.

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

---

### **CITOVANÁ PUBLIKÁCIA:**

Laciak, M., Fazekaš, P., Kačur, J.

Monitoring and control of temperatures in electric furnace in PROMOTIC system  
(2011) Proceedings of the 2011 12th International Carpathian Control Conference,  
ICCC'2011, art. no. 5945855, pp. 239-242. Cited 7 times.

DOI: 10.1109/CarpathianCC.2011.5945855

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

**Cited without self-citations and WoS: 5**

#### **CITOVALI:**

Budianto, A., Pambudi, W.S., Sumari, S., Yulianto, A.  
54974157400;57202921245;56258194500;57189217603;

PID control design for biofuel furnace using arduino

(2018) Telkomnika (Telecommunication Computing Electronics and Control), 16 (6), pp.  
3016-3023.

DOI: 10.12928/TELKOMNIKA.v16i6.9770

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Waheed, A., Ali, Q.

57217541460;57209058968;

Software emergence for need based large data processing in engineering problems

(2017) 2017 IEEE 2nd International Conference on Big Data Analysis, ICBDA 2017, art. no.  
8078858, pp. 442-446. Cited 1 time.

DOI: 10.1109/ICBDA.2017.8078858

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Iagər, A., Popa, G.N., Diniş, C.M.

24544507900;25951685300;26640414700;

Study of thermal regimes of an electric resistance furnace using AT-503 controller

(2016) IOP Conference Series: Materials Science and Engineering, 106 (1), art. no. 012006, .

DOI: 10.1088/1757-899X/106/1/012006

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

ACCESS TYPE: Open Access

SOURCE: Scopus

---

Diniş, C.M., Popa, G.N., Iagər, A.

26640414700;25951685300;24544507900;

Research on temperature control with numerical regulators in electric resistance furnaces with  
indirect heating

(2016) IOP Conference Series: Materials Science and Engineering, 106 (1), art. no. 012014, .

DOI: 10.1088/1757-899X/106/1/012014

DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
ACCESS TYPE: Open Access  
SOURCE: Scopus

---

Kostúr, K.  
6602506934;  
Principles of indirect measurement temperature  
(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC  
2012, art. no. 6228664, pp. 336-339. Cited 1 time.

DOI: 10.1109/CarpathianCC.2012.6228664  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

#### **CITOVANÁ PUBLIKÁCIA:**

Durdán, M., Kačur, J., Laciak, M.  
Corrective feed-back control of the annealing process with utilization of the indirect  
measurement  
(2011) Proceedings of the 2011 12th International Carpathian Control Conference,  
ICCC'2011, art. no. 5945823, pp. 94-97. Cited 7 times.  
DOI: 10.1109/CarpathianCC.2011.5945823  
DOCUMENT TYPE: Conference Paper  
SOURCE: Scopus  
**Cited without self-citations and WoS: 4**

#### **CITOVALI:**

Leško, I., Flegner, P., Feriančíková, K.  
System as a basic tool in solution of tasks on the basis of system science knowledge base and  
informatics  
(2012) 12th International Multidisciplinary Scientific GeoConference and EXPO - Modern  
Management of Mine Producing, Geology and Environmental Protection, SGEM 2012, 3, pp.  
237-244. Cited 2 times.

DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Kostúr, K.  
Principles of indirect measurement temperature  
(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC  
2012, art. no. 6228664, pp. 336-339. Cited 1 time.

DOI: 10.1109/CarpathianCC.2012.6228664  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final

SOURCE: Scopus

---

Kostúr, K., Futó, J., Krepelka, F., Ivaničová, L.  
Comparison of characteristics of excavation process and characteristics of acoustic signal in TBM excavation  
(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC 2012, art. no. 6228663, pp. 332-335.

DOI: 10.1109/CarpathianCC.2012.6228663

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Leško, I., Flegner, P., Feriančíková, K.  
Hilbert spaces as a specific instrument for process control  
(2012) Proceedings of the 2012 13th International Carpathian Control Conference, ICC 2012, art. no. 6228682, pp. 430-435. Cited 3 times.  
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84864188729&doi=10.1109%2fCarpathianCC.2012.6228682&partnerID=40&md5=04e5c94600cc10e0966e3cdcd3313f6c>

DOI: 10.1109/CarpathianCC.2012.6228682

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

#### **CITOVANÁ PUBLIKÁCIA:**

Kačur, J., Laciak, M., Durdán, M.  
Remote monitoring and control of the UCG process  
(2011) Proceedings of the 2011 12th International Carpathian Control Conference, ICC 2011, art. no. 5945842, pp. 176-180. Cited 17 times.

DOI: 10.1109/CarpathianCC.2011.5945842

DOCUMENT TYPE: Conference Paper

SOURCE: Scopus

**Cited without self-citations and WoS: 12**

#### **CITOVALI:**

Mandal, R., Maity, T., Chaulya, S.K., Prasad, G.M.  
57215743802;9245272900;6701448079;57213591345;  
Laboratory investigation on underground coal gasification technique with real-time analysis  
(2020) Fuel, 275, art. no. 117865, .

DOI: 10.1016/j.fuel.2020.117865

DOCUMENT TYPE: Article

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Baranová, V., Landryova, L., Futó, J.  
55834979700;55944502600;6603233157;  
Key indicators for the creation of the TBM technology process model  
(2016) Proceedings of the 2016 17th International Carpathian Control Conference, ICC 2016, art. no. 7501061, pp. 25-28. Cited 2 times.

DOI: 10.1109/CarpathianCC.2016.7501061  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Baranová, V., Landryová, L., Futó, J.  
55834979700;55944502600;6603233157;  
Quality indicator model of dynamic system boring machine - Rock  
(2015) Proceedings of the 2015 16th International Carpathian Control Conference, ICC 2015, art. no. 7145039, pp. 29-32. Cited 1 time.

DOI: 10.1109/CarpathianCC.2015.7145039  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Li, G., Li, W.J., Su, Q.Q., Sun, C.F., Ge, Z.Y.  
56035423600;56035482400;56035255900;55383682900;56035923300;  
Monitoring and control system of underground coal gasification based on industrial Ethernet and PLC  
(2014) Applied Mechanics and Materials, 496-500, pp. 1376-1380. Cited 1 time.

DOI: 10.4028/www.scientific.net/AMM.496-500.1376  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Malindzakova, M., Rosova, A., Futo, J., Baranova, V.  
47962324900;55555816100;6603233157;55834979700;  
Index as a measure of the quality capability evaluation process input quantities of rock excavation  
(2014) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 3 (1), pp. 305-311.

DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Baranova, V., Landryová, L., Futó, J.  
55834979700;55944502600;6603233157;  
An application of multivariate planning methods in determining KPIs of rock disintegration process  
(2014) Proceedings of the 2014 15th International Carpathian Control Conference, ICC 2014, art. no. 6843562, pp. 19-22. Cited 1 time.

DOI: 10.1109/CarpathianCC.2014.6843562

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Kostúr, K., Ďurove, J.

6602506934;56641900800;

The laboratory research of syngas composition and its calorific value in UCG

(2014) 31st Annual International Pittsburgh Coal Conference: Coal - Energy, Environment and Sustainable Development, PCC 2014, .

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

K Kostúr

56278100300;

Mathematical modeling temperature's fields in overburden during underground coal gasification

(2014) Proceedings of the 2014 15th International Carpathian Control Conference, ICC 2014, art. no. 6843606, pp. 248-253. Cited 7 times.

DOI: 10.1109/CarpathianCC.2014.6843606

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Ivanicova, L., Labas, M., Krepelka, F., Futo, J., Baranova, V.

23097537300;6507252012;6506186769;6603233157;55834979700;

Verification of acoustic model of rock cutting process

(2013) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1, pp. 823-829.

DOI: 10.5593/SGEM2013/BA1.V1/S03.080

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---

Labas, M., Ivanicova, L., Krepelka, F., Futo, J., Baranova, V.

6507252012;23097537300;6506186769;6603233157;55834979700;

Application of acoustic model for optimum determination in rock drilling process based on acoustic pressure in octave bands

(2013) Proceedings of the 2013 14th International Carpathian Control Conference, ICC 2013, art. no. 6560537, pp. 198-201. Cited 1 time.

DOI: 10.1109/CarpathianCC.2013.6560537

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

Baranova, V., Futo, J., Landryova, L.  
55834979700;6603233157;55944502600;  
Process Capability Index as an indicator of input signal quality of the rock disintegration process  
(2013) Proceedings of the 2013 14th International Carpathian Control Conference, ICCCC 2013, art. no. 6560500, pp. 1-4. Cited 1 time.

DOI: 10.1109/CarpathianCC.2013.6560500  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Malindzakova, M., Futo, J.  
47962324900;6603233157;  
Tunnel boring machine design and reliability parameters of a dynamic rock-indenter system  
(2012) Komunikacie, 14 (4), pp. 79-82. Cited 3 times.

DOCUMENT TYPE: Article  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

#### **CITOVANÁ PUBLIKÁCIA:**

Leššo, I., Flegner, P., Laciak, M., Feriančíková, K.  
Hilbert spaces as an efficient instrument for signal processing in geotechnics: Application of vector quantisation method in Hilbert space for effective and quality process control of rock disintegration by rotary drilling  
(2011) Proceedings of the 2011 12th International Carpathian Control Conference, ICCCC'2011, art. no. 5945857, pp. 249-252. Cited 9 times.

DOI: 10.1109/CarpathianCC.2011.5945857  
DOCUMENT TYPE: Conference Paper  
SOURCE: Scopus

**Cited without self-citations and WoS: 7**

#### **CITOVALI:**

Wittenberger, G., Šofranko, M., Végsőová, O.  
55251869300;16445100400;56331164300;  
New deep - Well boring technologies of rock disintegration  
(2017) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 17 (14), pp. 749-756. Cited 3 times.

DOI: 10.5593/sgem2017/14/S06.094  
DOCUMENT TYPE: Conference Paper  
PUBLICATION STAGE: Final  
SOURCE: Scopus

---

Horovčák, P., Leššo, I., Gašpárová, Z.

16444058200;6508285633;56896050300;

Design and implementation of web service for mutual comparison of the set of algebraic vectors

(2015) Proceedings of the 2015 16th International Carpathian Control Conference, ICC 2015, art. no. 7145069, pp. 175-180.

DOI: 10.1109/CarpathianCC.2015.7145069

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Malindzakova, M., Rosova, A., Futo, J., Baranova, V.

47962324900;55555816100;6603233157;55834979700;

Index as a measure of the quality capability evaluation process input quantities of rock excavation

(2014) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 3 (1), pp. 305-311.

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Ivanicova, L., Labas, M., Krepelka, F., Futo, J., Baranova, V.

23097537300;6507252012;6506186769;6603233157;55834979700;

Verification of acoustic model of rock cutting process

(2013) International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1, pp. 823-829.

DOI: 10.5593/SGEM2013/BA1.V1/S03.080

DOCUMENT TYPE: Conference Paper

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---

Labas, M., Ivanicova, L., Krepelka, F., Futo, J., Baranova, V.

6507252012;23097537300;6506186769;6603233157;55834979700;

Application of acoustic model for optimum determination in rock drilling process based on acoustic pressure in octave bands

(2013) Proceedings of the 2013 14th International Carpathian Control Conference, ICC 2013, art. no. 6560537, pp. 198-201. Cited 1 time.

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---

Baranova, V., Futo, J., Landryova, L.

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Process Capability Index as an indicator of input signal quality of the rock disintegration process

(2013) Proceedings of the 2013 14th International Carpathian Control Conference, ICC 2013, art. no. 6560500, pp. 1-4. Cited 1 time.

DOI: 10.1109/CarpathianCC.2013.6560500

DOCUMENT TYPE: Conference Paper

PUBLICATION STAGE: Final

SOURCE: Scopus

---

Durdán, M., Kačur, J.

46060936100;24447701200;

System for indirect measurement of the heat flows at annealing of the steel coils

(2013) Acta Metallurgica Slovaca, 19 (2), pp. 112-121. Cited 3 times.

[https://www.scopus.com/inward/record.uri?eid=2-s2.0-](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84877637971&doi=10.12776%2fams.v19i2.95&partnerID=40&md5=9f78b709b2a3f0442e05f984996d3916)

[84877637971&doi=10.12776%2fams.v19i2.95&partnerID=40&md5=9f78b709b2a3f0442e05f984996d3916](https://www.scopus.com/inward/record.uri?eid=2-s2.0-84877637971&doi=10.12776%2fams.v19i2.95&partnerID=40&md5=9f78b709b2a3f0442e05f984996d3916)

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