Yosoon Choi

List of Publications by Year
in descending order

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134	2,837	172457	233421
papers	citations	29	45
		h-index	g-index

134	134	134	2199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lab Scale Model Experiment of Smart Hopper System to Remove Blockages Using Machine Vision and Collaborative Robot. Applied Sciences (Switzerland), 2022, 12, 579.	2.5	5
2	Optimization of haulage-truck system performance for ore production in open-pit mines using big data and machine learning-based methods. Resources Policy, 2022, 75, 102522.	9.6	10
3	Analysis and prediction of diaphragm wall deflection induced by deep braced excavations using finite element method and artificial neural network optimized by metaheuristic algorithms. Reliability Engineering and System Safety, 2022, 221, 108335.	8.9	28
4	Development of Machine Learning Models for Predicting Air Overpressure in an Open-pit Mine. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2022, 59, 59-68.	0.4	1
5	Anomaly Detection of Photovoltaic Systems Installed in Renewable Energy Housing Support Project Sites by Analyzing Power Generation Data. Journal of the Korean Solar Energy Society, 2022, 42, 33-46.	0.4	1
6	Design and Computational Analyses of Nature Inspired Unmanned Amphibious Vehicle for Deep Sea Mining. Minerals (Basel, Switzerland), 2022, 12, 342.	2.0	13
7	Current State of Digital Information Gap in the Korean Mining Industry and its Mitigation Strategy: A Case of Daily Work Report App Development. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2022, 59, 173-181.	0.4	0
8	Evaluation and Validation of Photovoltaic Potential from Fixed and Tracking Floating Photovoltaic System in Hapcheon Dam. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2022, 59, 293-302.	0.4	3
9	A Novel Combination of Whale Optimization Algorithm and Support Vector Machine with Different Kernel Functions for Prediction of Blasting-Induced Fly-Rock in Quarry Mines. Natural Resources Research, 2021, 30, 191-207.	4.7	69
10	Estimating Ore Production in Open-pit Mines Using Various Machine Learning Algorithms Based on a Truck-Haulage System and Support of Internet of Things. Natural Resources Research, 2021, 30, 1141-1173.	4.7	13
11	Systematic Review of Machine Learning Applications in Mining: Exploration, Exploitation, and Reclamation. Minerals (Basel, Switzerland), 2021, 11, 148.	2.0	48
12	Self-Driving Algorithm and Location Estimation Method for Small Environmental Monitoring Robot in Underground Mines. CMES - Computer Modeling in Engineering and Sciences, 2021, 127, 943-964.	1.1	4
13	Bluetooth Beacon-Based Mine Production Management Application to Support Ore Haulage Operations in Underground Mines. Sustainability, 2021, 13, 2281.	3.2	11
14	GIS-Based Site Suitability Analysis for Solar Power Systems in Mongolia. Applied Sciences (Switzerland), 2021, 11, 3748.	2.5	17
15	Analysis and Diagnosis of Truck Transport Routes in Underground Mines Using Transport Time Data Collected through Bluetooth Beacons and Tablet Computers. Applied Sciences (Switzerland), 2021, 11, 4525.	2.5	4
16	Application of a Drone Magnetometer System to Military Mine Detection in the Demilitarized Zone. Sensors, 2021, 21, 3175.	3.8	30
17	Predicting rock size distribution in mine blasting using various novel soft computing models based on meta-heuristics and machine learning algorithms. Geoscience Frontiers, 2021, 12, 101108.	8.4	48
18	Stochastic Predictions of Ore Production in an Underground Limestone Mine Using Different Probability Density Functions: A Comparative Study Using Big Data from ICT System. Applied Sciences (Switzerland), 2021, 11, 4301.	2.5	9

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19	Smart Helmet-Based Personnel Proximity Warning System for Improving Underground Mine Safety. Applied Sciences (Switzerland), 2021, 11, 4342.	2.5	26
20	Applications of Smart Glasses in Applied Sciences: A Systematic Review. Applied Sciences (Switzerland), 2021, 11, 4956.	2.5	30
21	Applications of Smart Helmet in Applied Sciences: A Systematic Review. Applied Sciences (Switzerland), 2021, 11, 5039.	2.5	13
22	Location estimation of autonomous driving robot and 3D tunnel mapping in underground mines using pattern matched LiDAR sequential images. International Journal of Mining Science and Technology, 2021, 31, 779-788.	10.3	19
23	Review of Microsoft HoloLens Applications over the Past Five Years. Applied Sciences (Switzerland), 2021, 11, 7259.	2.5	74
24	Analysis of Optimal Location for Campus Solar-powered Electric Vehicle Parking Lots Using a Fisheye Lens Camera. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 307-318.	0.4	6
25	Predicting the sorption efficiency of heavy metal based on the biochar characteristics, metal sources, and environmental conditions using various novel hybrid machine learning models. Chemosphere, 2021, 276, 130204.	8.2	49
26	Novel Extreme Learning Machine-Multi-Verse Optimization Model for Predicting Peak Particle Velocity Induced by Mine Blasting. Natural Resources Research, 2021, 30, 4735-4751.	4.7	16
27	Diagnosis of Problems in Truck Ore Transport Operations in Underground Mines Using Various Machine Learning Models and Data Collected by Internet of Things Systems. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	1
28	Autonomous Driving Robot That Drives and Returns along a Planned Route in Underground Mines by Recognizing Road Signs. Applied Sciences (Switzerland), 2021, 11, 10235.	2.5	10
29	Comparison of Machine Vision Algorithms used by Autonomous Driving Robots to Recognize Road Signs in Underground Mines. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 559-567.	0.4	0
30	Review of Space Industry and Technology for Asteroid Mining. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 640-651.	0.4	1
31	Prediction of Blast-Induced Ground Vibration Intensity in Open-Pit Mines Using Unmanned Aerial Vehicle and a Novel Intelligence System. Natural Resources Research, 2020, 29, 771-790.	4.7	28
32	Predicting Blast-Induced Ground Vibration in Open-Pit Mines Using Vibration Sensors and Support Vector Regression-Based Optimization Algorithms. Sensors, 2020, 20, 132.	3.8	62
33	Comparison of Electric Power Output Observed and Estimated from Floating Photovoltaic Systems: A Case Study on the Hapcheon Dam, Korea. Sustainability, 2020, 12, 276.	3.2	22
34	Comparison of Three Location Estimation Methods of an Autonomous Driving Robot for Underground Mines. Applied Sciences (Switzerland), 2020, 10, 4831.	2.5	14
35	Applications of the Open-Source Hardware Arduino Platform in the Mining Industry: A Review. Applied Sciences (Switzerland), 2020, 10, 5018.	2.5	25
36	Applications of Unmanned Aerial Vehicles in Mining from Exploration to Reclamation: A Review. Minerals (Basel, Switzerland), 2020, 10, 663.	2.0	93

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37	Emerging Technologies for Harnessing the Fourth Industrial Revolution in the Energy and Mineral Industries. Applied Sciences (Switzerland), 2020, 10, 8957.	2.5	1
38	Prediction of slope failure in open-pit mines using a novel hybrid artificial intelligence model based on decision tree and evolution algorithm. Scientific Reports, 2020, 10, 9939.	3.3	77
39	Deep Neural Network for Predicting Ore Production by Truck-Haulage Systems in Open-Pit Mines. Applied Sciences (Switzerland), 2020, 10, 1657.	2.5	26
40	Recent Advances in Geographic Information System for Earth Sciences. Applied Sciences (Switzerland), 2020, 10, 3847.	2.5	0
41	Smart Glasses-Based Personnel Proximity Warning System for Improving Pedestrian Safety in Construction and Mining Sites. International Journal of Environmental Research and Public Health, 2020, 17, 1422.	2.6	27
42	Solar Power System Planning and Design. Applied Sciences (Switzerland), 2020, 10, 367.	2.5	3
43	Design and Simulation of a New Intermodal Automated Container Transport System (ACTS) Considering Different Operation Scenarios of Container Terminals. Journal of Marine Science and Engineering, 2020, 8, 233.	2.6	8
44	Review of GIS-Based Applications for Mining: Planning, Operation, and Environmental Management. Applied Sciences (Switzerland), 2020, 10, 2266.	2.5	27
45	Simulation and Real-time Visualization of Truck-Loader Haulage Systems in an Open Pit Mine using AnyLogic. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2020, 57, 45-57.	0.4	3
46	Performance Comparison of User Interface Devices for Controlling Mining Software in Virtual Reality Environments. Applied Sciences (Switzerland), 2019, 9, 2584.	2.5	18
47	Simulation of Truck Haulage Operations in an Underground Mine Using Big Data from an ICT-Based Mine Safety Management System. Applied Sciences (Switzerland), 2019, 9, 2639.	2.5	16
48	Deep Neural Network for Ore Production and Crusher Utilization Prediction of Truck Haulage System in Underground Mine. Applied Sciences (Switzerland), 2019, 9, 4180.	2.5	25
49	Toward Open-Source Hardware and Software for the Mining Industry: a Case Study of Low-Cost Environmental Monitoring System for Non-Metallic Underground Mines. Mining, Metallurgy and Exploration, 2019, 36, 657-674.	0.8	8
50	Assessment of Photovoltaic Potential of Mining Sites in Uzbekistan. Sustainability, 2019, 11, 2988.	3.2	11
51	GIS-Based Solar Radiation Mapping, Site Evaluation, and Potential Assessment: A Review. Applied Sciences (Switzerland), 2019, 9, 1960.	2.5	67
52	Mapping Heavy Metal Concentrations in Beach Sands Using GIS and Portable XRF Data. Journal of Marine Science and Engineering, 2019, 7, 42.	2.6	13
53	A Novel Artificial Intelligence Technique to Estimate the Gross Calorific Value of Coal Based on Meta-Heuristic and Support Vector Regression Algorithms. Applied Sciences (Switzerland), 2019, 9, 4868.	2.5	27
54	Assessment of Lead (Pb) and Zinc (Zn) Contamination in Beach Sands by Hot Spot Analysis. Journal of Coastal Research, 2019, 91, 321.	0.3	4

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55	Development of a 3D User Interface based on Kinect Sensor and Bend-Sensing Data Glove for Controlling Software in the Mining Industry. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2019, 56, 44-52.	0.4	4
56	Development of a LiDAR Sensor-based Small Autonomous Driving Robot for Underground Mines and Indoor Driving Experiments. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2019, 56, 407-415.	0.4	6
57	Review of Autonomous Driving Technology Utilized in Underground Mines. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2019, 56, 480-489.	0.4	2
58	Analysis of Features and Applications of Smart Glass for Utilization in the Mining Industry. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2019, 56, 457-467.	0.4	0
59	Review of smartphone applications for geoscience: current status, limitations, and future perspectives. Earth Science Informatics, 2018, 11, 463-486.	3.2	18
60	Performance comparison of bluetooth beacon and reverse RFID systems as potential tools for measuring truck travel time in open-pit mines: a simulation experiment. Geosystem Engineering, 2018, 21, 43-52.	1.4	11
61	Bluetooth-Beacon-Based Underground Proximity Warning System for Preventing Collisions inside Tunnels. Applied Sciences (Switzerland), 2018, 8, 2271.	2.5	25
62	New Outlier Top-Cut Method for Mineral Resource Estimation via 3D Hot Spot Analysis of Borehole Data. Minerals (Basel, Switzerland), 2018, 8, 348.	2.0	8
63	Comparison of Communication Viewsheds Derived from High-Resolution Digital Surface Models Using Line-of-Sight, 2D Fresnel Zone, and 3D Fresnel Zone Analysis. ISPRS International Journal of Geo-Information, 2018, 7, 322.	2.9	4
64	A New GIS-Based Algorithm to Support Initial Transmitter Layout Design in Open-Pit Mines. Energies, 2018, 11, 3063.	3.1	7
65	SIMPL: A Simplified Model-Based Program for the Analysis and Visualization of Groundwater Rebound in Abandoned Mines to Prevent Contamination of Water and Soils by Acid Mine Drainage. International Journal of Environmental Research and Public Health, 2018, 15, 951.	2.6	6
66	Review of Wearable Device Technology and Its Applications to the Mining Industry. Energies, 2018, 11, 547.	3.1	128
67	Analysis of Patent Trend for ICT-based Underground Mine Safety Management Technology. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2018, 55, 159-164.	0.4	4
68	Analysis of Received Signal Strength Index from Bluetooth Beacons to Develop Proximity Warning Systems for Underground Mines. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2018, 55, 604-613.	0.4	7
69	Integration of Simulation and Animation for Truck-Loader Haulage Systems in an Underground Mine Using GPSS/H and PROOF5. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2018, 55, 185-193.	0.4	2
70	Geostatistical prediction of heavy metal concentrations in stream sediments considering the stream networks. Environmental Earth Sciences, 2017, 76, 1.	2.7	9
71	Mapping hazardous mining-induced sinkhole subsidence using unmanned aerial vehicle (drone) photogrammetry. Environmental Earth Sciences, 2017, 76, 1.	2.7	63
72	Analysis of tag recognition ranges and rates according to reader transmission power levels when tracking machines by RFID in underground mines: an indoor experiment. Geosystem Engineering, 2017, 20, 81-87.	1.4	4

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73	Review of photovoltaic and wind power systems utilized in the mining industry. Renewable and Sustainable Energy Reviews, 2017, 75, 1386-1391.	16.4	43
74	A new algorithm to find raster-based least-cost paths using cut and fill operations. International Journal of Geographical Information Science, 2017, 31, 2234-2254.	4.8	8
75	Calculating Time-Specific Flux of Runoff Using DEM Considering Storm Sewer Collection Systems. Journal of Hydrologic Engineering - ASCE, 2017, 22, 04016053.	1.9	5
76	Measuring Transport Time of Mine Equipment in an Underground Mine Using a Bluetooth Beacon System. Minerals (Basel, Switzerland), 2017, 7, 1.	2.0	93
77	UMineAR: Mobile-Tablet-Based Abandoned Mine Hazard Site Investigation Support System Using Augmented Reality. Minerals (Basel, Switzerland), 2017, 7, 198.	2.0	8
78	A New Method for Haul Road Design in Open-Pit Mines to Support Efficient Truck Haulage Operations. Applied Sciences (Switzerland), 2017, 7, 747.	2.5	17
79	Assessing Statistically Significant Heavy-Metal Concentrations in Abandoned Mine Areas via Hot Spot Analysis of Portable XRF Data. International Journal of Environmental Research and Public Health, 2017, 14, 654.	2.6	35
80	An Overview of GIS-Based Modeling and Assessment of Mining-Induced Hazards: Soil, Water, and Forest. International Journal of Environmental Research and Public Health, 2017, 14, 1463.	2.6	36
81	BBUNS: Bluetooth Beacon-Based Underground Navigation System to Support Mine Haulage Operations. Minerals (Basel, Switzerland), 2017, 7, 228.	2.0	35
82	Methods for Converting Monthly Total Irradiance Data into Hourly Data to Estimate Electric Power Production from Photovoltaic Systems: A Comparative Study. Sustainability, 2017, 9, 1234.	3.2	8
83	Sustainable Development of Abandoned Mine Areas Using Renewable Energy Systems: A Case Study of the Photovoltaic Potential Assessment at the Tailings Dam of Abandoned Sangdong Mine, Korea. Sustainability, 2016, 8, 1320.	3.2	17
84	Analysis of the Potential for Use of Floating Photovoltaic Systems on Mine Pit Lakes: Case Study at the Ssangyong Open-Pit Limestone Mine in Korea. Energies, 2016, 9, 102.	3.1	85
85	Mapping Copper and Lead Concentrations at Abandoned Mine Areas Using Element Analysis Data from ICPâ€“AES and Portable XRF Instruments: A Comparative Study. International Journal of Environmental Research and Public Health, 2016, 13, 384.	2.6	26
86	A Rapid, Accurate, and Efficient Method to Map Heavy Metal-Contaminated Soils of Abandoned Mine Sites Using Converted Portable XRF Data and GIS. International Journal of Environmental Research and Public Health, 2016, 13, 1191.	2.6	32
87	Uncertainty Representation Method for Open Pit Optimization Results Due to Variation in Mineral Prices. Minerals (Basel, Switzerland), 2016, 6, 17.	2.0	18
88	GIS-based evaluation of mining-induced subsidence susceptibility considering 3D multiple mine drifts and estimated mined panels. Environmental Earth Sciences, 2016, 75, 1.	2.7	15
89	Optimization of truck-loader haulage systems in an underground mine using simulation methods. Geosystem Engineering, 2016, 19, 222-231.	1.4	22
90	Collocated cokriging and neural-network multi-attribute transform in the prediction of effective porosity: A comparative case study for the Second Wall Creek Sand of the Teapot Dome field, Wyoming, USA. Journal of Applied Geophysics, 2016, 131, 69-83.	2.1	5

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91	Reviews of unmanned aerial vehicle (drone) technology trends and its applications in the mining industry. Geosystem Engineering, 2016, 19, 197-204.	1.4	82
92	Assessing and prioritizing environmental hazards associated with abandoned mines in Gangwon-do, South Korea: the Total Mine Hazards Index. Environmental Earth Sciences, 2016, 75, 1.	2.7	21
93	Analysis of wind power potentials at abandoned mine promotion districts in Korea. Geosystem Engineering, 2016, 19, 77-82.	1.4	8
94	Comparison of Topographic Surveying Results using a Fixed-wing and a Popular Rotary-wing Unmanned Aerial Vehicle (Drone). Tunnel and Underground Space, 2016, 26, 24-31.	0.1	19
95	Development of a Windows-based Program for Discrete Event Simulation of Truck-Loader Haulage Systems in an Underground Mine. Tunnel and Underground Space, 2016, 26, 87-99.	0.1	7
96	Analysis of Features and Applications of Bluetooth Beacon Technology for Utilization in the Mining and Construction Industries. Tunnel and Underground Space, 2016, 26, 143-153.	0.1	4
97	Collecting Travel Time Data of Mine Equipments in an Underground Mine using Reverse RFID Systems. Tunnel and Underground Space, 2016, 26, 253-265.	0.1	7
98	Assessment of Photovoltaic Potentials at Abandoned Mine Reclamation Sites in Korea using Renewable Energy Resource Maps. New & Renewable Energy, 2016, 12, 44.	0.4	3
99	A random Cantor set as a measure of the statistical homogeneity of fractured rock masses. Geosystem Engineering, 2015, 18, 117-125.	1.4	1
100	Evaluation of rooftop photovoltaic electricity generation systems for establishing a green campus. Geosystem Engineering, 2015, 18, 51-60.	1.4	18
101	Analysis of photovoltaic potential at abandoned mine promotion districts in Korea. Geosystem Engineering, 2015, 18, 168-172.	1.4	22
102	Design of photovoltaic systems to power aerators for natural purification of acid mine drainage. Renewable Energy, 2015, 83, 759-766.	8.9	30
103	Utilization of RFID Technology in the Mining Industry. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2015, 52, 422-428.	0.4	3
104	Calculation of a Diesel Vehicle's Carbon Dioxide Emissions during Haulage Operations in an Underground Mine using GIS. Tunnel and Underground Space, 2015, 25, 373-382.	0.1	5
105	Topographic Survey at Small-scale Open-pit Mines using a Popular Rotary-wing Unmanned Aerial Vehicle (Drone). Tunnel and Underground Space, 2015, 25, 462-469.	0.1	30
106	On-site Demonstration of Topographic Surveying Techniques at Open-pit Mines using a Fixed-wing Unmanned Aerial Vehicle (Drone). Tunnel and Underground Space, 2015, 25, 527-533.	0.1	12
107	Development and Utilization of Mine Management Software: A Review. Tunnel and Underground Space, 2015, 25, 221-230.	0.1	2
108	Temperature Dependent Power Modeling of Photovoltaics. Energy Procedia, 2014, 57, 745-754.	1.8	32

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109	Finding least-cost paths across a continuous raster surface with discrete vector networks. Cartography and Geographic Information Science, 2014, 41, 75-85.	3.0	9
110	Application of multiple indicator Kriging for RMR value estimation in areas of new drift excavation during mine site redevelopment. Environmental Earth Sciences, 2014, 71, 4379-4386.	2.7	5
111	GIS-based Decision Support Model for Establishing Promotion Policy of Abandoned Mining Areas with Considering Local Characteristics. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2014, 51, 41-54.	0.4	5
112	Development of a GRAM Model-based Program for Analyzing Groundwater Rebound in Abandoned Mines. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2014, 51, 271-284.	0.4	2
113	A Comparison of Wind Power and Photovoltaic Potentials at Yeongok, Mulno and Booyoung Abandoned Mines in Kangwon Province, Korea. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2014, 51, 525-536.	0.4	7
114	Simulation of Shovel-Truck Haulage Systems in Open-pit Mines by Considering Breakdown of Trucks and Crusher Capacity. Tunnel and Underground Space, 2014, 24, 1-10.	0.1	14
115	Optimal Routes Analysis of Vehicles for Auxiliary Operations in Open-pit Mines using a Heuristic Algorithm for the Traveling Salesman Problem. Tunnel and Underground Space, 2014, 24, 11-20.	0.1	3
116	Development of a Windows-based Simulation Program for Selecting Equipments in Open-pit Shovel-Truck Haulage Systems. Tunnel and Underground Space, 2014, 24, 111-119.	0.1	14
117	Simulation of Truck-Loader Haulage Systems in an Underground Mine using GPSS/H. Tunnel and Underground Space, 2014, 24, 430-439.	0.1	11
118	Utilization of Renewable Energy Technology in the Mining Industry. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2013, 50, 422-429.	0.4	10
119	Simulation of Shovel-Truck Haulage Systems by Considering Truck Dispatch Methods. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2013, 50, 543-556.	0.4	9
120	Assessment of Photovoltaic Potentials at Buguk, Sungsan and Younggwang Abandoned Mines in Jeollanam-do, Korea. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2013, 50, 827-837.	0.4	9
121	Creation of Vector Network Data with Considering Terrain Gradient for Analyzing Optimal Haulage Routes of Dump Trucks in Open Pit Mines. Tunnel and Underground Space, 2013, 23, 353-361.	0.1	8
122	Development of the 3-D Fracture Network Analysis and Visualization Software Modules. Tunnel and Underground Space, 2013, 23, 261-270.	0.1	2
123	Estimation of soil erosion and sediment yield from mine tailing dumps using GIS: a case study at the Samgwang mine, Korea. Geosystem Engineering, 2012, 15, 2-9.	1.4	33
124	ArcMine: A GIS extension to support mine reclamation planning. Computers and Geosciences, 2012, 46, 84-95.	4.2	35
125	A new algorithm to calculate weighted flow-accumulation from a DEM by considering surface and underground stormwater infrastructure. Environmental Modelling and Software, 2012, 30, 81-91.	4.5	33
126	GRAM Model Analysis of Groundwater Rebound in Abandoned Coal Mines. Tunnel and Underground Space, 2012, 22, 373-382.	0.1	3

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127	PV Analyst: Coupling ArcGIS with TRNSYS to assess distributed photovoltaic potential in urban areas. Solar Energy, 2011, 85, 2924-2939.	6.1	78
128	Optimal haulage routing of off-road dump trucks in construction and mining sites using Google Earth and a modified least-cost path algorithm. Automation in Construction, 2011, 20, 982-997.	9.8	55
129	A new algorithm for grid-based hydrologic analysis by incorporating stormwater infrastructure. Computers and Geosciences, 2011, 37, 1035-1044.	4.2	23
130	National-scale assessment of landslide susceptibility to rank the vulnerability to failure of rock-cut slopes along expressways in Korea. Environmental Earth Sciences, 2011, 63, 619-632.	2.7	48
131	Tunneling Analyst: A 3D GIS extension for rock mass classification and fault zone analysis in tunneling. Computers and Geosciences, 2009, 35, 1322-1333.	4.2	24
132	Engineering geological investigation into rockfall problem: A case study of the Seated Seokgayeorae Image carved on a rock face at the UNESCO World Heritage site in Korea. Geosciences Journal, 2009, 13, 69-78.	1.2	16
133	Multiâ€criteria evaluation and leastâ€cost path analysis for optimal haulage routing of dump trucks in large scale openâ€pit mines. International Journal of Geographical Information Science, 2009, 23, 1541-1567.	4.8	55
134	Flood and gully erosion problems at the Pasir open pit coal mine, Indonesia: a case study of the hydrology using GIS. Bulletin of Engineering Geology and the Environment, 2008, 67, 251-258.	3.5	30