Jieun Baek

List of Publications by Year
in descending order

19 papers	308 citations	840776 11 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	164 citing authors

#	Article	IF	Citations
1	3D Global Localization in the Underground Mine Environment Using Mobile LiDAR Mapping and Point Cloud Registration. Sensors, 2022, 22, 2873.	3.8	10
2	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
3	Smart Helmet-Based Personnel Proximity Warning System for Improving Underground Mine Safety. Applied Sciences (Switzerland), 2021, 11, 4342.	2.5	26
4	Deep Neural Network for Predicting Ore Production by Truck-Haulage Systems in Open-Pit Mines. Applied Sciences (Switzerland), 2020, 10, 1657.	2.5	26
5	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
6	Review of GIS-Based Applications for Mining: Planning, Operation, and Environmental Management. Applied Sciences (Switzerland), 2020, 10, 2266.	2.5	27
7	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
8	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
9	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
10	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
11	Bluetooth-Beacon-Based Underground Proximity Warning System for Preventing Collisions inside Tunnels. Applied Sciences (Switzerland), 2018, 8, 2271.	2.5	25
12	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
13	A New GIS-Based Algorithm to Support Initial Transmitter Layout Design in Open-Pit Mines. Energies, 2018, 11, 3063.	3.1	7
14	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
15	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
16	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
17	BBUNS: Bluetooth Beacon-Based Underground Navigation System to Support Mine Haulage Operations. Minerals (Basel, Switzerland), 2017, 7, 228.	2.0	35
18	Uncertainty Representation Method for Open Pit Optimization Results Due to Variation in Mineral Prices. Minerals (Basel, Switzerland), 2016, 6, 17.	2.0	18

#	Article	IF	Citations
19	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