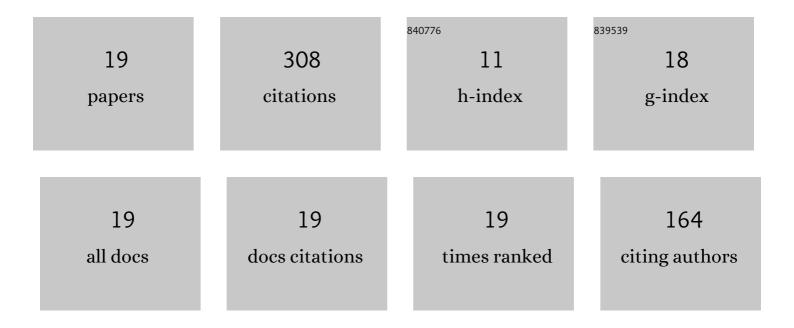
## Jieun Baek

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1253199/publications.pdf Version: 2024-02-01



| #  | Article  | lF  | CITATIONS |
|----|--|-----|-----------|
| 1  | BBUNS: Bluetooth Beacon-Based Underground Navigation System to Support Mine Haulage Operations.<br>Minerals (Basel, Switzerland), 2017, 7, 228.  | 2.0 | 35        |
| 2  | Smart Glasses-Based Personnel Proximity Warning System for Improving Pedestrian Safety in<br>Construction and Mining Sites. International Journal of Environmental Research and Public Health,<br>2020, 17, 1422.                  | 2.6 | 27        |
| 3  | Review of GIS-Based Applications for Mining: Planning, Operation, and Environmental Management.<br>Applied Sciences (Switzerland), 2020, 10, 2266.   | 2.5 | 27        |
| 4  | Deep Neural Network for Predicting Ore Production by Truck-Haulage Systems in Open-Pit Mines.<br>Applied Sciences (Switzerland), 2020, 10, 1657.   | 2.5 | 26        |
| 5  | Smart Helmet-Based Personnel Proximity Warning System for Improving Underground Mine Safety.<br>Applied Sciences (Switzerland), 2021, 11, 4342.  | 2.5 | 26        |
| 6  | Bluetooth-Beacon-Based Underground Proximity Warning System for Preventing Collisions inside<br>Tunnels. Applied Sciences (Switzerland), 2018, 8, 2271.  | 2.5 | 25        |
| 7  | Deep Neural Network for Ore Production and Crusher Utilization Prediction of Truck Haulage System<br>in Underground Mine. Applied Sciences (Switzerland), 2019, 9, 4180.   | 2.5 | 25        |
| 8  | Uncertainty Representation Method for Open Pit Optimization Results Due to Variation in Mineral<br>Prices. Minerals (Basel, Switzerland), 2016, 6, 17.   | 2.0 | 18        |
| 9  | A New Method for Haul Road Design in Open-Pit Mines to Support Efficient Truck Haulage Operations.<br>Applied Sciences (Switzerland), 2017, 7, 747.  | 2.5 | 17        |
| 10 | Simulation of Truck Haulage Operations in an Underground Mine Using Big Data from an ICT-Based<br>Mine Safety Management System. Applied Sciences (Switzerland), 2019, 9, 2639.  | 2.5 | 16        |
| 11 | Performance comparison of bluetooth beacon and reverse RFID systems as potential tools for<br>measuring truck travel time in open-pit mines: a simulation experiment. Geosystem Engineering, 2018, 21,<br>43-52.                   | 1.4 | 11        |
| 12 | 3D Global Localization in the Underground Mine Environment Using Mobile LiDAR Mapping and Point<br>Cloud Registration. Sensors, 2022, 22, 2873.  | 3.8 | 10        |
| 13 | Stochastic Predictions of Ore Production in an Underground Limestone Mine Using Different<br>Probability Density Functions: A Comparative Study Using Big Data from ICT System. Applied Sciences<br>(Switzerland), 2021, 11, 4301. | 2.5 | 9         |
| 14 | 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         |
| 15 | A New GIS-Based Algorithm to Support Initial Transmitter Layout Design in Open-Pit Mines. Energies, 2018, 11, 3063.  | 3.1 | 7         |
| 16 | Analysis of Received Signal Strength Index from Bluetooth Beacons to Develop Proximity Warning<br>Systems for Underground Mines. Journal of the Korean Society of Mineral and Energy Resources<br>Engineers, 2018, 55, 604-613.    | 0.4 | 7         |
| 17 | Development of a Windows-based Program for Discrete Event Simulation of Truck-Loader Haulage<br>Systems in an Underground Mine. Tunnel and Underground Space, 2016, 26, 87-99.   | 0.1 | 7         |
| 18 | Comparison of Communication Viewsheds Derived from High-Resolution Digital Surface Models Using<br>Line-of-Sight, 2D Fresnel Zone, and 3D Fresnel Zone Analysis. ISPRS International Journal of<br>Geo-Information, 2018, 7, 322.  | 2.9 | 4         |

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| #  | Article  | IF   | Citations |
| #  | AKTICLE  |      | CHATIONS  |
| 19 | 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         |