

Bac Bui Hoang

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

997
citations

471509

17
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

877
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing an XGBoost model to predict blast-induced peak particle velocity in an open-pit mine: a case study. <i>Acta Geophysica</i> , 2019, 67, 477-490.	2.0	107
2	A comparative study of artificial neural networks in predicting blast-induced air-blast overpressure at Deo Nai open-pit coal mine, Vietnam. <i>Neural Computing and Applications</i> , 2020, 32, 3939-3955.	5.6	107
3	Prediction of Blast-induced Air Over-pressure in Open-Pit Mine: Assessment of Different Artificial Intelligence Techniques. <i>Natural Resources Research</i> , 2020, 29, 571-591.	4.7	102
4	Humidity control materials prepared from diatomite and volcanic ash. <i>Construction and Building Materials</i> , 2013, 38, 1066-1072.	7.2	87
5	Class ceramic from mixtures of bottom ash and fly ash. <i>Waste Management</i> , 2012, 32, 2306-2314.	7.4	74
6	Humidity control porous ceramics prepared from waste and porous materials. <i>Materials Letters</i> , 2011, 65, 940-943.	2.6	58
7	Predicting the sorption efficiency of heavy metal based on the biochar characteristics, metal sources, and environmental conditions using various novel hybrid machine learning models. <i>Chemosphere</i> , 2021, 276, 130204.	8.2	49
8	Estimating PM10 Concentration from Drilling Operations in Open-Pit Mines Using an Assembly of SVR and PSO. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2806.	2.5	35
9	Prediction of the sorption efficiency of heavy metal onto biochar using a robust combination of fuzzy C-means clustering and back-propagation neural network. <i>Journal of Environmental Management</i> , 2021, 293, 112808.	7.8	33
10	Preparation of humidity-controlling porous ceramics from volcanic ash and waste glass. <i>Ceramics International</i> , 2011, 37, 2845-2853.	4.8	29
11	A comparative study of empirical and ensemble machine learning algorithms in predicting air over-pressure in open-pit coal mine. <i>Acta Geophysica</i> , 2020, 68, 325-336.	2.0	28
12	A Novel Artificial Intelligence Technique to Estimate the Gross Calorific Value of Coal Based on Meta-Heuristic and Support Vector Regression Algorithms. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4868.	2.5	27
13	Predicting Ground Vibrations Due to Mine Blasting Using a Novel Artificial Neural Network-Based Cuckoo Search Optimization. <i>Natural Resources Research</i> , 2021, 30, 2663-2685.	4.7	26
14	Prediction of Rock Size Distribution in Mine Bench Blasting Using a Novel Ant Colony Optimization-Based Boosted Regression Tree Technique. <i>Natural Resources Research</i> , 2020, 29, 867-886.	4.7	24
15	Rapid Determination of Gross Calorific Value of Coal Using Artificial Neural Network and Particle Swarm Optimization. <i>Natural Resources Research</i> , 2021, 30, 621-638.	4.7	21
16	A Comparative Study of Different Machine Learning Algorithms in Predicting the Content of Ilmenite in Titanium Placer. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 635.	2.5	21
17	Surface-modified aluminogermanate nanotube by OPA: Synthesis and characterization. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1045-1048.	3.9	19
18	Composition and Morphology Characteristics of Magnetic Fractions of Coal Fly Ash Wastes Processed in High-Temperature Exposure in Thermal Power Plants. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1964.	2.5	17

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19	A novel approach in adsorption of heavy metal ions from aqueous solution using synthesized MCM-41 from coal bottom ash. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 1226-1244.	3.3	15
20	Performance evaluation of nanotubular halloysites from weathered pegmatites in removing heavy metals from water through novel artificial intelligence-based models and human-based optimization algorithm. <i>Chemosphere</i> , 2021, 282, 131012.	8.2	15
21	Highly ordered Ge-incorporated akaganeite ($\text{Fe}^{2+}\text{-FeOOH}$): a tunnel-type nanorod. <i>CrystEngComm</i> , 2011, 13, 287-292.	2.6	14
22	Episodes of brittle deformation within the Dien Bien Phu Fault zone, Vietnam: Evidence from K-Ar age dating of authigenic illite. <i>Tectonophysics</i> , 2017, 695, 53-63.	2.2	12
23	Predicting Blast-induced Ground Vibration in Quarries Using Adaptive Fuzzy Inference Neural Network and Moth-Flame Optimization. <i>Natural Resources Research</i> , 2021, 30, 4719-4734.	4.7	12
24	Single-walled hollow nanospheres assembled from the aluminogermanate precursors. <i>Chemical Communications</i> , 2009, , 5740.	4.1	11
25	Effective utilization of incinerated municipal solid waste incineration ash: zeolitic material synthesis and silica extraction. <i>Waste Management and Research</i> , 2010, 28, 714-722.	3.9	11
26	Ge-incorporation into 6-line ferrihydrite nanocrystals. <i>CrystEngComm</i> , 2010, 12, 1997.	2.6	10
27	Distribution and Characteristics of Nanotubular Halloysites in the Thach Khoan Area, Phu Tho, Vietnam. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 290.	2.0	9
28	Estimating heavy metals absorption efficiency in an aqueous solution using nanotube-type halloysite from weathered pegmatites and a novel Harris hawks optimization-based multiple layers perceptron neural network. <i>Engineering With Computers</i> , 2022, 38, 4257-4272.	6.1	8
29	K-Ar Dating of Fault Gouges from the Red River Fault Zone of Vietnam. <i>Acta Geologica Sinica</i> , 2016, 90, 1653-1663.	1.4	6
30	A new model for water adsorption in porous ceramics. <i>Journal of Porous Materials</i> , 2013, 20, 129-136.	2.6	4
31	A Review of Artificial Intelligence Applications in Mining and Geological Engineering. <i>Lecture Notes in Civil Engineering</i> , 2021, , 109-142.	0.4	4