

Amit Kumar Gorai

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

411
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

516
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of ANFIS models for air quality forecasting and input optimization for reducing the computational cost and time. <i>Atmospheric Environment</i> , 2016, 128, 246-262.	4.1	101
2	Development of machine vision-based ore classification model using support vector machine (SVM) algorithm. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	1.3	49
3	Spatio-Temporal Variation of Particulate Matter(PM _{2.5}) Concentrations and Its Health Impacts in a Mega City, Delhi in India. <i>Environmental Health Insights</i> , 2018, 12, 117863021879286.	1.7	47
4	Sensitivity analysis of fuzzy-analytic hierarchical process (FAHP) decision-making model in selection of underground metal mining method. <i>Journal of Sustainable Mining</i> , 2019, 18, 8-17.	0.2	44
5	Development of a machine vision system using the support vector machine regression (SVR) algorithm for the online prediction of iron ore grades. <i>Earth Science Informatics</i> , 2019, 12, 197-210.	3.2	34
6	Spatial Variation of Ground Level Ozone Concentrations and its Health Impacts in an Urban Area in India. <i>Aerosol and Air Quality Research</i> , 2017, 17, 951-964.	2.1	28
7	An innovative approach for determination of air quality health index. <i>Science of the Total Environment</i> , 2015, 533, 495-505.	8.0	27
8	Delineation and mapping of coal mine fire using remote sensing data – a review. <i>International Journal of Remote Sensing</i> , 2019, 40, 6499-6529.	2.9	24
9	Development of PLS path model for understanding the role of precursors on ground level ozone concentration in Gulfport, Mississippi, USA. <i>Atmospheric Pollution Research</i> , 2015, 6, 389-397.	3.8	19
10	Design and development of a machine vision system using artificial neural network-based algorithm for automated coal characterization. <i>International Journal of Coal Science and Technology</i> , 2021, 8, 737-755.	6.0	17
11	Development of an expert system for iron ore classification. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	9
12	Design of a multi-criteria decision making model using fuzzy-AHP for selection of appropriate underground metal mining method. <i>International Journal of Mining and Mineral Engineering</i> , 2018, 9, 259.	0.3	4
13	Studying the coal fire dynamics in Jharia coalfield, India using time-series analysis of satellite data. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 23, 100591.	1.5	4
14	Establishing the Association between Quarterly/Seasonal Air Pollution Exposure and Asthma using Geospatial Approach. <i>Aerosol and Air Quality Research</i> , 2015, 15, 1525-1544.	2.1	3
15	Analyzing the role of in situ coal fire in greenhouse gases emission in a coalfield using remote sensing data and their dispersion and source apportionment study. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 413.	2.7	1
16	Hierarchical fuzzy-AHP-based multi-criteria decision making approach for selection of underground metal mining method. <i>Intelligent Decision Technologies</i> , 2021, 15, 405-420.	0.9	0