Amit Kumar Gorai

List of Publications by Year
in descending order

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16	411	933447 10	996975 15
papers	citations	h-index	g-index

16	16	16	516
all docs	docs citations	times ranked	citing authors

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