Aditya Kumar Patra

List of Publications by Year
in descending order

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22 papers	624 citations	623734 14 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	568 citing authors

#	Article	IF	Citations
1	Emissions and human health impact of particulate matter from surface mining operationâ€"A review. Environmental Technology and Innovation, 2016, 5, 233-249.	6.1	113
2	Status and chemical characteristics of ambient PM2.5 pollutions in China: a review. Environment, Development and Sustainability, 2019, 21, 1649-1674.	5.0	65
3	Dispersion of particulate matter generated at higher depths in opencast mines. Environmental Technology and Innovation, 2015, 3, 11-27.	6.1	51
4	Occupational exposure to particulate matter in three Indian opencast mines. Air Quality, Atmosphere and Health, 2016, 9, 143-158.	3.3	48
5	Particulate matter pollution in opencast coal mining areas: a threat to human health and environment. International Journal of Mining, Reclamation and Environment, 2018, 32, 75-92.	2.8	48
6	Prediction of particulate matter concentration profile in an opencast copper mine in India using an artificial neural network model. Air Quality, Atmosphere and Health, 2016, 9, 697-711.	3.3	47
7	Association of air pollution and meteorological variables with COVID-19 incidence: Evidence from five megacities in India. Environmental Research, 2021, 195, 110854.	7.5	32
8	Characterization of PM2.5 generated from opencast coal mining operations: A case study of Sonepur Bazari Opencast Project of India. Environmental Technology and Innovation, 2016, 6, 1-10.	6.1	25
9	Carbonaceous species and physicochemical characteristics of PM10 in coal mine fire areaâ€"a case study. Air Quality, Atmosphere and Health, 2016, 9, 429-437.	3.3	24
10	Whole-body Vibration Exposure of Drill Operators in Iron Ore Mines and Role of Machine-Related, Individual, and Rock-Related Factors. Safety and Health at Work, 2015, 6, 268-278.	0.6	23
11	A comparison of personal exposure to air pollutants in different travel modes on national highways in India. Science of the Total Environment, 2018, 619-620, 155-164.	8.0	21
12	Determinants of commuter exposure to PM2.5 and CO during long-haul journeys on national highways in India. Atmospheric Pollution Research, 2019, 10, 1031-1041.	3.8	20
13	Spatial and temporal variation of respirable particles around a surface coal mine in India. Atmospheric Pollution Research, 2018, 9, 662-679.	3.8	19
14	In-vehicle PM2.5 personal concentrations in winter during long distance road travel in India. Science of the Total Environment, 2019, 684, 207-220.	8.0	16
15	Dispersion of respirable particles from the workplace in opencast iron ore mines. Environmental Technology and Innovation, 2015, 4, 137-149.	6.1	14
16	Personal exposures to PM during short distance highway travel in India. Transportation Research, Part D: Transport and Environment, 2020, 81, 102315.	6.8	14
17	Evaluation of low-cost particulate matter sensors OPC N2 and PM Nova for aerosol monitoring. Atmospheric Pollution Research, 2022, 13, 101335.	3.8	14
18	Prediction of Various Sizes of Particles in Deep Opencast Copper Mine Using Recurrent Neural Network: A Machine Learning Approach. Journal of the Institution of Engineers (India): Series A, 2022, 103, 283-294.	1.2	10

#	Article	IF	Citations
19	Development and assessment of multiple regression and neural network models for prediction of respirable PM in the vicinity of a surface coal mine in India. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	9
20	Associations Between Whole-Body Vibration Exposure and Occupational and Personal Factors in Drill Operators in Indian Iron Ore Mines. Mining, Metallurgy and Exploration, 2019, 36, 495-511.	0.8	8
21	Assessment of dispersion of respirable particles emitted from opencast mining operations: development and validation of stepwise regression models. Environment, Development and Sustainability, 2022, 24, 9139-9164.	5.0	2
22	Particulate Matter Dispersion in Indian Non-coal Opencast Mines. Energy, Environment, and Sustainability, 2018, , 123-143.	1.0	1