

SCI Publication List in 2018

Sl. No.	Authors Name	Title	Journals Name	Impact Factor
1.	Charan, T. Gouri, Pandey, J.K. and Sharma, Sadanand	Evaluation of Quartz Reduction by Coal Cleaning for Thermal Utilization of an Indian Coal.	International Journal of Coal Preparation and Utilization, 38 (2). pp. 53-63. 2018, ISSN 1939-2699	0.673
2.	Chatterjee, Debashis and Chaulya, S.K.	Vision improvement system using image processing technique for adverse weather condition of opencast mines.	International Journal of Mining, Reclamation and Environment. pp. 1-12. 2018, ISSN 1748-0930	1.078
3.	Chaulya, S.K., Trivedi, R., Kumar, A., Tiwary, R.K., Singh, R.S., Pandey, P.K. and Kumar, R.	Air Quality modelling for prediction of dust concentrations in iron ore mines of Saranda region, Jharkhand, India.	Atmospheric Pollution Research. ISSN 1309-1042 (In Press) 2018	1.637
4.	Chavan, Prakash D. and Mendhe, V.A.	Petrographic and chemical reactivity assessment of Indian high ash coal with different biomass in fluidized bed co-gasification.	Journal of the Energy Institute. ISSN 1743-9671 (In Press), 2018	3.204
5.	Das, Arka Jyoti Arabian	Assessment of occupational health exposure to particulate matter around opencast coal mines, India: a case study.	Journal of Geosciences, 11 (14). p. 373. 2018, ISSN 1866-7511,	0.955
6.	Das, Arka Jyoti	Spatio-temporal variations of respirable particles at residential areas located in the vicinity of opencast coal projects, India: a case study.	Arabian Journal of Geosciences, 11 (10). p. 241. 2018, ISSN 1866-7511,	0.955
7.	Himanshu, Vivek Kumar, Roy, M.P, Paswan, Ranjit Kumar and Singh, P.K.	Multivariate statistical analysis approach for prediction of blast-induced ground vibration.	Arabian Journal of Geosciences, 11 (16). 2018, ISSN 1866-7511,	0.955

8.	Kumar, Ashok, Singh, Arun Kumar, Ram, Sahendra and Singh, Rakesh	Influence of Overlying Roof Strata on Rib Design in Mechanised Depillaring.	Journal of the Geological Society of India , 91 (3). pp. 341-347. 2018, ISSN 0016-7622,	0.479
9.	Kumar, Jaywardhan, Mendhe, V.A., Singh, P.K. and Singh, Harendra	Coalbed methane reservoir characteristics of coal seams of south Karanpura coalfield, Jharkhand, India.	International Journal of Coal Geology , 196. pp. 185-200. 2018, ISSN 0166-5162,	4.783
10.	Mandal, Prabhat Kumar, Das, Arka Jyoti, Bhattacharjee, Rana, Tewari, Subhashish and Kushwaha, Angad	Assessment of roof convergence during driving roadways in underground coal mines by continuous miner.	International Journal of Rock Mechanics and Mining Sciences , 108. pp. 169-178. 2018, ISSN 1365-1609,	2.836
11.	Mendhe, V.A.	Pore geometrical complexity and fractal facets of Permian shales and coals from Auranga Basin, Jharkhand, India.	Journal of Natural Gas Science and Engineering, 52. pp. 25-43. 2018, ISSN 1875-5100,	2.718
12.	Mendhe, V.A., Sharma, Sadanand and Kumar, jaywardhan (2018)	Evaluation of gas resource potentiality, geochemical and mineralogical characteristics of Permian shale beds of Latehar-Auranga Coalfield, India.	International Journal of Coal Geology , 196. pp. 43-62. 2018, ISSN 0166-5162,	4.783
13.	Mendhe, V.A. and Sharma, Sadanand	Influence of organic and inorganic content on fractal dimensions of Barakar and Barren Measures shale gas reservoirs of Raniganj basin, India.	Journal of Natural Gas Science and Engineering, 49. pp. 393-409. 2018, ISSN 1875-5100,	2.718
14.	Mishra, P.K.	Wireless real-time sensing platform using vibrating wire-based geotechnical sensor for underground coal mines.	Sensors and Actuators A: Physical, 269. pp. 212-217. 2018, ISSN 0924-4247,	2.499

15.	Mishra, Rakesh Kumar, Singh, Virendra Kumar and Pandey, J.K.	Detection and delineation of coal mine fire in Jharia coal field, India using geophysical approach: A case study.	Journal of Earth System Science, 127 (8). 2018, ISSN 0253-4126,	0.955
16.	Mohalik, N.K.	Development a modified crossing point temperature (CPTHR) method to assess spontaneous combustion propensity of coal and its chemometric analysis.	Journal of Loss Prevention in the Process Industries, 56. pp. 359-369. 2018, ISSN 0950-4230,	1.818
17.	Mohanty, Debadutta, Chattaraj, Sujoy and Singh, Ajay Kumar	Influence of coal composition and maturity on methane storage capacity of coals of Raniganj Coalfield, India.	International Journal of Coal Geology , 196. pp. 1-18. 2018, ISSN 0166-5162,	4.783
18.	Mukherjee, D., Selvi, V.A., Ram, L.C. and Masto, R.E.	Exploratory Study of Archaeobacteria and their Habitat in Underground, Opencast Coal Mines and Coal Mine Fire Areas of Dhanbad.	Journal of the Geological Society of India, 91 (5). pp. 575-582. 2018, ISSN 0016-7622,	0.479
19.	Paul, Avinash, Prakash, A. and Singh, Ajoy Kumar	Estimation of rock load in development workings of underground coal mines – a modified RMR approach.	Current Science, 114 (10). pp. 2167-2174. 2018, ISSN 0011-3891,	0.843
20.	Prakash, A., Kumar, Niraj, Kumbhakar, Dilip, Singh, Ajoy Kumar and Paul, Avinash	A safe depillaring design for shallow depth of cover with influence of surface ground movements: a study in Jharia Coalfield.	Arabian Journal of Geosciences, 11 (8). p. 164. 2018, ISSN 1866-7511,	0.955
21	Sarkar, P. Mukherjee, A. Sahu, S.G. and Kumar, M.	Hydrodynamic characteristics in a pilot-scale cold flow model for chemical looping combustion.	Advanced Powder Technology, 29 (6). pp. 1499-1506. 2018	2.659
22	Singh, Abhay Kumar, Giri, Soma and Chaturvedi,	Fluvial Geochemistry of Subarnarekha River basin, India.	Journal of Earth System Science, 127 (8). 2018, ISSN 0253-4126,	0.955

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23	Singh, Awanindra Pratap, Mendhe, V.A. and Mishra, Subhashree	Variations in hydro-chemical properties and source insights of coalbed methane produced water of Raniganj Coalfield, Jharkhand, India.	Journal of Natural Gas Science and Engineering, 51. pp. 233-250. 2018, ISSN 1875-5100,	2.718
24	Singh, K.K.K. and Singh, S.K., Singh, A.K., Ghosh, C.N. and Singh, P.K.	Role of MineVue Radar for Proving Abandoned and Unapproachable Mine Galleries for the Safety of Surface Structures.	Journal of the Geological Society of India, 91 (2). pp. 195-197. 2018 ISSN 0016-7622,	0.479
25	Singh, R.S.	Impact of modified chitosan on pore water bioavailability of zinc in contaminated soils.	Journal of Geochemical Exploration, 186. pp. 94-99. 2018 ISSN 0375-6742,	2.464
26	Singh, S. and Singh, P.K. (2018)	Ambient black carbon particulate matter in the region of Dhanbad, India.	Science of the Total Environment, 615. pp. 955-963. 2018, ISSN 0048-9697,	4.900
27	Tewari, S., Kushwaha, A., Bhattacharjee, R. and John, Loui P.	Crown pillar design in highly dipping coal seam.	International Journal of Rock Mechanics and Mining Sciences, 103. pp. 12-19. 2018, ISSN 1365-1609,	2.836
28	Tiwary, Shishir, Chavan, Prakash D., Saha, Sujan, Datta, Sudipta and Sahu, Gajanan	Co-gasification of High Ash Coal–Biomass Blends in a Fluidized Bed Gasifier: Experimental Study and Computational Intelligence-Based Modeling.	Waste and Biomass Valorization. 2018	1.337
29	Vallu, Rama Krishna	Colorimetric and fluorimetric detection of Hg ²⁺ and Cr ³⁺ by boronic acid conjugated rhodamine derivatives: Mechanistic aspects and their bio-imaging application in bacterial cells.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy , 189. pp. 556-562. 2018	2.536

30	Verma, H.K.	Empirical and probabilistic analysis of blast-induced ground vibrations.	International Journal of Rock Mechanics and Mining Sciences, 103. pp. 267-274. 2018ISSN 1365-1609,	2.836
31	Verma, H.K., Goel, R.K. and Singh, P.K.	Blast induced rock mass damage around tunnels.	Tunnelling and Underground Space Technology, 171. pp. 149-158. 2018, ISSN 0886-7798,	2.192
32	Saha,Sujan, Sahu, Gajanan, Chavan, Prakash D. and Datta, Sudipta	Gasification reactivity of high ash Indian coals in varying concentrations of CO ₂ .	International Journal of Oil, Gas and Coal Technology, 18 (1-2). pp. 163-186. 2018	0.582
33	Datta, Sudipta, Chavan, Prakash D., Sahu, Gajanan, Saha, Sujan, Dutta, P. and Sarkar, Pinaki	Gasification of coal and press mud blends in fluidized bed gasifier.	International Journal of Oil, Gas and Coal Technology, 19 (2). pp. 248-262. 2018	0.582
34.	Das Arka Jyoti, Mandal Prabhat Kumar, Kushwaha Angad, Bhattacharjee Rana and Tewari Subhashish	Evaluation of the Effect of Fault on the Stability of Underground Workings of Coal Mines through DEM and Statistical Analysis	Journal of the Geological Society of India, 92 (6). pp. 732-742. 2018 ISSN 0016-7622,	0.479