

Sushanta K Behera

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

678
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

773
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Application of response surface methodology (RSM) for optimization of leaching parameters for ash reduction from low-grade coal. <i>International Journal of Mining Science and Technology</i> , 2018, 28, 621-629. | 10.3 | 309 |
| 2 | A novel acid modified alumina adsorbent with enhanced defluoridation property: Kinetics, isotherm study and applicability on industrial wastewater. <i>Journal of Hazardous Materials</i> , 2019, 365, 868-882. | 12.4 | 106 |
| 3 | Facile method to synthesize efficient adsorbent from alumina by nitric acid activation: Batch scale defluoridation, kinetics, isotherm studies and implementation on industrial wastewater treatment. <i>Journal of Hazardous Materials</i> , 2020, 381, 120917. | 12.4 | 64 |
| 4 | Process Optimization Study of Zn ²⁺ Adsorption on Biochar-Alginate Composite Adsorbent by Response Surface Methodology (RSM). <i>Water (Switzerland)</i> , 2019, 11, 325. | 2.7 | 50 |
| 5 | Removal of dyes from aqueous solution by sorption with fly ash using a hydrocyclone. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5204-5211. | 6.7 | 40 |
| 6 | Chemical demineralization of high ash Indian coal by using alkali and acid solutions. <i>Fuel</i> , 2017, 196, 102-109. | 6.4 | 37 |
| 7 | Removal of ash from low grade Indian coal by chemical leaching technique. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2018, 39, 59-67. | 5.0 | 18 |
| 8 | Defluoridation of synthetic and industrial wastewater by using acidic activated alumina adsorbent: characterization and optimization by response surface methodology. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 79-88. | 1.7 | 18 |
| 9 | Removal of CO ₂ in a multistage fluidized bed reactor by amine impregnated activated carbon: optimization using response surface methodology. <i>International Journal of Coal Science and Technology</i> , 2019, 6, 445-458. | 6.0 | 13 |
| 10 | Demineralization mechanism and influence of parameters on high ash Indian coal by chemical leaching of acid and alkali solution. <i>International Journal of Coal Science and Technology</i> , 2018, 5, 142-155. | 6.0 | 12 |
| 11 | Modeling and optimization of process variables for HCl gas removal by response surface methodology. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 359-366. | 1.7 | 11 |