

Abhishek Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,067
citations

840119

11
h-index

887659

17
g-index

20
all docs

20
docs citations

20
times ranked

1362
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass pyrolysis—A review of modelling, process parameters and catalytic studies. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 1081-1096.	8.2	482
2	A review on biomass pyrolysis models: Kinetic, network and mechanistic models. <i>Biomass and Bioenergy</i> , 2019, 123, 104-122.	2.9	183
3	Multi-fluid reactive modeling of fluidized bed pyrolysis process. <i>Chemical Engineering Science</i> , 2015, 123, 311-321.	1.9	57
4	A critical literature review on biosolids to biochar: an alternative biosolids management option. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 807-841.	3.9	49
5	CFD modeling of mixing/segregation behavior of biomass and biochar particles in a bubbling fluidized bed. <i>Chemical Engineering Science</i> , 2014, 106, 264-274.	1.9	47
6	Advanced separation strategies for up-gradation of bio-oil into value-added chemicals: A comprehensive review. <i>Separation and Purification Technology</i> , 2022, 283, 120149.	3.9	43
7	A phenomenological model of the mechanisms of lignocellulosic biomass pyrolysis processes. <i>Computers and Chemical Engineering</i> , 2014, 60, 231-241.	2.0	40
8	A review of granular flow in screw feeders and conveyors. <i>Powder Technology</i> , 2020, 366, 369-381.	2.1	39
9	Valorization of solid waste using advanced thermo-chemical process: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105434.	3.3	33
10	Co-pyrolysis of biosolids with alum sludge: Effect of temperature and mixing ratio on product properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 163, 105488.	2.6	21
11	Lowering greenhouse gas (GHG) emissions: techno-economic analysis of biomass conversion to biofuels and value-added chemicals. , 2019, 9, 454-473.		16
12	Conversion of refuse derived fuel from municipal solid waste into valuable chemicals using advanced thermo-chemical process. <i>Journal of Cleaner Production</i> , 2021, 329, 129653.	4.6	15
13	Modelling of particle segregation in fluidized beds. <i>Powder Technology</i> , 2019, 353, 202-218.	2.1	12
14	Analysis of flow behavior of size distributed spherical particles in screw feeder. <i>Powder Technology</i> , 2021, 382, 1-22.	2.1	10
15	Valorisation of End-of-Life tyres for generating valuable resources under circular economy. <i>Fuel</i> , 2022, 314, 123138.	3.4	10
16	Application of high-grade carbon produced from tyre waste using advanced thermo-chemical technology. <i>Materials Today: Proceedings</i> , 2021, 43, 3117-3120.	0.9	4
17	Elucidation of Thermal Degradation Model for Low and High Density Polyethylene by Statistical Parameters. <i>ChemistrySelect</i> , 2020, 5, 14153-14160.	0.7	3
18	Analysis of flow behavior of cohesive monosized spherical and non-spherical particles in screw feeder. <i>Powder Technology</i> , 2022, 398, 117049.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Multi-Scale Modelling of Biomass Pyrolysis Processes. Computer Aided Chemical Engineering, 2012, 30, 1133-1137.	0.3	0
20	Sensitivity analysis and grouping of rate constants of aspen kinetic model for a fluidized catalytic cracker. AIP Conference Proceedings, 2021, , .	0.3	0