

Abhishek Sharma

List of Publications by Year in descending order

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20
papers

1,067
citations

840776
11
h-index

888059
17
g-index

20
all docs

20
docs citations

20
times ranked

1362
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced separation strategies for up-gradation of bio-oil into value-added chemicals: A comprehensive review. Separation and Purification Technology, 2022, 283, 120149.	7.9	43
2	Valorisation of End-of-Life tyres for generating valuable resources under circular economy. Fuel, 2022, 314, 123138.	6.4	10
3	Analysis of flow behavior of cohesive monosized spherical and non-spherical particles in screw feeder. Powder Technology, 2022, 398, 117049.	4.2	3
4	Co-pyrolysis of biosolids with alum sludge: Effect of temperature and mixing ratio on product properties. Journal of Analytical and Applied Pyrolysis, 2022, 163, 105488.	5.5	21
5	Analysis of flow behavior of size distributed spherical particles in screw feeder. Powder Technology, 2021, 382, 1-22.	4.2	10
6	Application of high-grade carbon produced from tyre waste using advanced thermo-chemical technology. Materials Today: Proceedings, 2021, 43, 3117-3120.	1.8	4
7	Valorization of solid waste using advanced thermo-chemical process: A review. Journal of Environmental Chemical Engineering, 2021, 9, 105434.	6.7	33
8	Conversion of refuse derived fuel from municipal solid waste into valuable chemicals using advanced thermo-chemical process. Journal of Cleaner Production, 2021, 329, 129653.	9.3	15
9	Sensitivity analysis and grouping of rate constants of aspen kinetic model for a fluidized catalytic cracker. AIP Conference Proceedings, 2021, , .	0.4	0
10	Elucidation of Thermal Degradation Model for Low and High Density Polyethylene by Statistical Parameters. ChemistrySelect, 2020, 5, 14153-14160.	1.5	3
11	A critical literature review on biosolids to biochar: an alternative biosolids management option. Reviews in Environmental Science and Biotechnology, 2020, 19, 807-841.	8.1	49
12	A review of granular flow in screw feeders and conveyors. Powder Technology, 2020, 366, 369-381.	4.2	39
13	Modelling of particle segregation in fluidized beds. Powder Technology, 2019, 353, 202-218.	4.2	12
14	Lowering greenhouse gas (GHG) emissions: techno-economic analysis of biomass conversion to biofuels and value-added chemicals. , 2019, 9, 454-473.		16
15	A review on biomass pyrolysis models: Kinetic, network and mechanistic models. Biomass and Bioenergy, 2019, 123, 104-122.	5.7	183
16	Biomass pyrolysis—A review of modelling, process parameters and catalytic studies. Renewable and Sustainable Energy Reviews, 2015, 50, 1081-1096.	16.4	482
17	Multi-fluid reactive modeling of fluidized bed pyrolysis process. Chemical Engineering Science, 2015, 123, 311-321.	3.8	57
18	A phenomenological model of the mechanisms of lignocellulosic biomass pyrolysis processes. Computers and Chemical Engineering, 2014, 60, 231-241.	3.8	40

#	ARTICLE	IF	CITATIONS
19	CFD modeling of mixing/segregation behavior of biomass and biochar particles in a bubbling fluidized bed. Chemical Engineering Science, 2014, 106, 264-274.	3.8	47
20	Multi-Scale Modelling of Biomass Pyrolysis Processes. Computer Aided Chemical Engineering, 2012, 30, 1133-1137.	0.5	0