

Sachin Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,612
citations

394421

19
h-index

552781

26
g-index

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28
docs citations

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times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	An insight on upgrading of biomass pyrolysis products and utilization: Current status and future prospect of biomass in India. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6185-6203.	4.6	5
2	A comprehensive characterization of non-edible lignocellulosic biomass to elucidate their biofuel production potential. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5087-5103.	4.6	25
3	PYROLYSIS KINETICS OF KEYBOARD PLASTIC WASTE USING THERMOGRAVIMETRIC ANALYSER TO ASSESS ITS ENERGY POTENTIAL. <i>Journal of Environmental Engineering and Landscape Management</i> , 2022, 30, 259-267.	1.0	0
4	A detailed assessment of pyrolysis kinetics of invasive lignocellulosic biomasses (<i>Prosopis juliflora</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	9.6	74
5	Kinetic and thermodynamic analysis of <i>Putranjiva roxburghii</i> (putranjiva) and <i>Cassia fistula</i> (amaltas) non-edible oilseeds using thermogravimetric analyzer. <i>Renewable Energy</i> , 2021, 165, 261-277.	8.9	56
6	Energy optimization from a binary mixture of non-edible oilseeds pyrolysis: Kinetic triplets analysis using Thermogravimetric Analyser and prediction modeling by Artificial Neural Network. <i>Journal of Environmental Management</i> , 2021, 297, 113253.	7.8	19
7	Valorisation of <i>argemone mexicana</i> seeds to renewable fuels by thermochemical conversion process. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104271.	6.7	21
8	Thermal degradation of eco-friendly alternative plastics: kinetics and thermodynamics analysis. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14991-15000.	5.3	20
9	Valorization of <i>Jatropha</i> seed to fuel and chemical feedstock using a thermochemical conversion process. <i>Biofuels</i> , 2016, 7, 429-435.	2.4	11
10	Production and characterization of bio oil from cotton seed. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 542-547.	2.3	42
11	Thermolysis of Medical Waste (Waste Syringe) to Liquid Fuel Using Semi Batch Reactor. <i>Waste and Biomass Valorization</i> , 2015, 6, 507-514.	3.4	19
12	Optimization of process parameters by response surface methodology (RSM) for catalytic pyrolysis of waste high-density polyethylene to liquid fuel. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 115-122.	6.7	52
13	Pyrolysis of sal seed to liquid product. <i>Bioresource Technology</i> , 2014, 151, 432-435.	9.6	57
14	Characterization of Liquid Product Obtained by Pyrolysis of Cottonseed De-Oiled Cake. <i>Journal of Biobased Materials and Bioenergy</i> , 2014, 8, 338-343.	0.3	10
15	Production of biofuel and biochar by thermal pyrolysis of linseed seed. <i>Biomass Conversion and Biorefinery</i> , 2013, 3, 327-335.	4.6	36
16	Determination of activation energy of linseed pyrolysis using thermogravimetry. <i>International Journal of Ambient Energy</i> , 2013, 34, 195-199.	2.5	6
17	Production of the liquid fuel by thermal pyrolysis of neem seed. <i>Fuel</i> , 2013, 103, 437-443.	6.4	99
18	Performance and emission analysis of blends of waste plastic oil obtained by catalytic pyrolysis of waste HDPE with diesel in a CI engine. <i>Energy Conversion and Management</i> , 2013, 74, 323-331.	9.2	207

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19	Preparation and Characterization of Acid and Alkaline Treated Kaolin Clay. Bulletin of Chemical Reaction Engineering and Catalysis, 2013, 8, 61-69.	1.1	73
20	Thermolysis of High-Density Polyethylene to Petroleum Products. Journal of Petroleum Engineering, 2013, 2013, 1-7.	0.6	42
21	Production of Hydrocarbon Liquid by Thermal Pyrolysis of Paper Cup Waste. Journal of Waste Management, 2013, 2013, 1-7.	0.5	51
22	Characterization of the liquid product obtained by pyrolysis of karanja seed. Bioresource Technology, 2012, 124, 186-189.	9.6	71
23	Performance and emission analysis of blends of karanja methyl ester with diesel in a compression ignition engine. International Journal of Ambient Energy, 2011, 32, 161-166.	2.5	13
24	Recovery of hydrocarbon liquid from waste high density polyethylene by thermal pyrolysis. Brazilian Journal of Chemical Engineering, 2011, 28, 659-667.	1.3	196
25	Pyrolysis of groundnut de-oiled cake and characterization of the liquid product. Bioresource Technology, 2011, 102, 10711-10716.	9.6	61
26	A review on tertiary recycling of high-density polyethylene to fuel. Resources, Conservation and Recycling, 2011, 55, 893-910.	10.8	337
27	Thermogravimetric Analysis of Groundnut Cake. International Journal of Chemical Engineering and Applications (IJCEA), 2011, , 268-271.	0.3	2
28	Evaluation of kinetic and thermodynamic parameters of Argemone mexicana seed pyrolysis via thermogravimetric analyser. Biomass Conversion and Biorefinery, 0, , 1.	4.6	7