

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

28
all docs

28
docs citations

28
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on tertiary recycling of high-density polyethylene to fuel. Resources, Conservation and Recycling, 2011, 55, 893-910.	10.8	337
2	Performance and emission analysis of blends of waste plastic oil obtained by catalytic pyrolysis of waste HDPE with diesel in a CI engine. Energy Conversion and Management, 2013, 74, 323-331.	9.2	207
3	Recovery of hydrocarbon liquid from waste high density polyethylene by thermal pyrolysis. Brazilian Journal of Chemical Engineering, 2011, 28, 659-667.	1.3	196
4	Production of the liquid fuel by thermal pyrolysis of neem seed. Fuel, 2013, 103, 437-443.	6.4	99
5	A detailed assessment of pyrolysis kinetics of invasive lignocellulosic biomasses (Prosopis juliflora) Tj ETQq1 1 0.784314 rgBT/Overlook	9.6	74
6	Preparation and Characterization of Acid and Alkaline Treated Kaolin Clay. Bulletin of Chemical Reaction Engineering and Catalysis, 2013, 8, 61-69.	1.1	73
7	Characterization of the liquid product obtained by pyrolysis of karanja seed. Bioresource Technology, 2012, 124, 186-189.	9.6	71
8	Pyrolysis of groundnut de-oiled cake and characterization of the liquid product. Bioresource Technology, 2011, 102, 10711-10716.	9.6	61
9	Pyrolysis of sal seed to liquid product. Bioresource Technology, 2014, 151, 432-435.	9.6	57
10	Kinetic and thermodynamic analysis of Putranjiva roxburghii (putranjiva) and Cassia fistula (amaltas) non-edible oilseeds using thermogravimetric analyzer. Renewable Energy, 2021, 165, 261-277.	8.9	56
11	Optimization of process parameters by response surface methodology (RSM) for catalytic pyrolysis of waste high-density polyethylene to liquid fuel. Journal of Environmental Chemical Engineering, 2014, 2, 115-122.	6.7	52
12	Production of Hydrocarbon Liquid by Thermal Pyrolysis of Paper Cup Waste. Journal of Waste Management, 2013, 2013, 1-7.	0.5	51
13	Thermolysis of High-Density Polyethylene to Petroleum Products. Journal of Petroleum Engineering, 2013, 2013, 1-7.	0.6	42
14	Production and characterization of bio oil from cotton seed. Environmental Progress and Sustainable Energy, 2015, 34, 542-547.	2.3	42
15	Production of biofuel and biochar by thermal pyrolysis of linseed seed. Biomass Conversion and Biorefinery, 2013, 3, 327-335.	4.6	36
16	A comprehensive characterization of non-edible lignocellulosic biomass to elucidate their biofuel production potential. Biomass Conversion and Biorefinery, 2022, 12, 5087-5103.	4.6	25
17	Valorisation of argemone mexicana seeds to renewable fuels by thermochemical conversion process. Journal of Environmental Chemical Engineering, 2020, 8, 104271.	6.7	21
18	Thermal degradation of eco-friendly alternative plastics: kinetics and thermodynamics analysis. Environmental Science and Pollution Research, 2020, 27, 14991-15000.	5.3	20

#	ARTICLE	IF	CITATIONS
19	Thermolysis of Medical Waste (Waste Syringe) to Liquid Fuel Using Semi Batch Reactor. Waste and Biomass Valorization, 2015, 6, 507-514.	3.4	19
20	Energy optimization from a binary mixture of non-edible oilseeds pyrolysis: Kinetic triplets analysis using Thermogravimetric Analyser and prediction modeling by Artificial Neural Network. Journal of Environmental Management, 2021, 297, 113253.	7.8	19
21	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
22	Valorization of Jatropha seed to fuel and chemical feedstock using a thermochemical conversion process. Biofuels, 2016, 7, 429-435.	2.4	11
23	Characterization of Liquid Product Obtained by Pyrolysis of Cottonseed De-Oiled Cake. Journal of Biobased Materials and Bioenergy, 2014, 8, 338-343.	0.3	10
24	Evaluation of kinetic and thermodynamic parameters of Argemone mexicana seed pyrolysis via thermogravimetric analyser. Biomass Conversion and Biorefinery, 0, , 1.	4.6	7
25	Determination of activation energy of linseed pyrolysis using thermogravimetry. International Journal of Ambient Energy, 2013, 34, 195-199.	2.5	6
26	An insight on upgrading of biomass pyrolysis products and utilization: Current status and future prospect of biomass in India. Biomass Conversion and Biorefinery, 2024, 14, 6185-6203.	4.6	5
27	Thermogravimetric Analysis of Groundnut Cake. International Journal of Chemical Engineering and Applications (IJCEA), 2011, , 268-271.	0.3	2
28	PYROLYSIS KINETICS OF KEYBOARD PLASTIC WASTE USING THERMOGRAVIMETRIC ANALYSER TO ASSESS ITS ENERGY POTENTIAL. Journal of Environmental Engineering and Landscape Management, 2022, 30, 259-267.	1.0	0