Dipesh Kumar

List of Publications by Year
in descending order

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34 papers	1,648 citations	471509 17 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	2059 citing authors

#	Article	IF	Citations
1	Assessing the effectiveness of Bael leaf extract towards stabilization of biodiesel during accelerated oxidation tests. Biomass Conversion and Biorefinery, 2023, 13, 3391-3403.	4.6	4
2	Biodiesel and an overview of waste utilization at the various production stages. , 2022, , 1-16.		1
3	Biodiesel antioxidants and their impact on the behavior of diesel engines: A comprehensive review. Fuel Processing Technology, 2022, 232, 107264.	7.2	31
4	Passion fruit seed extract as an antioxidant additive for biodiesel; shelf life and consumption kinetics. Fuel, 2021, 289, 119906.	6.4	16
5	Biocatalysis in industrial biodiesel and bioethanol production. , 2021, , 1-28.		0
6	COVID-19 driven changes in the air quality; a study of major cities in the Indian state of Uttar Pradesh. Environmental Pollution, 2021, 274, 116512.	7.5	15
7	Effect of winterization and plant phenolic-additives on the cold-flow properties and oxidative stability of Karanja biodiesel. Fuel, 2020, 262, 116631.	6.4	28
8	Green tea (Camellia assamica) extract as an antioxidant additive to enhance the oxidation stability of biodiesel synthesized from waste cooking oil. Fuel, 2020, 262, 116658.	6.4	59
9	Solar irradiation assisted synthesis of biodiesel from waste cooking oil using calcium oxide derived from chicken eggshell. Fuel, 2020, 273, 117778.	6.4	22
10	Sustainable Production of Polyhydroxyalkanoates (PHAs) Using Biomass-Based Growth Substrates. Green Energy and Technology, 2020, , 245-259.	0.6	0
11	Process optimization of biodiesel production catalyzed by CaO nanocatalyst using response surface methodology. Journal of Nanostructure in Chemistry, 2019, 9, 269-280.	9.1	60
12	Algal biorefinery: An integrated approach for sustainable biodiesel production. Biomass and Bioenergy, 2019, 131, 105398.	5.7	70
13	Phycoremediation of Nutrients and Valorisation of Microalgal Biomass: An Economic Perspective. , 2019, , 1-15.		0
14	Biodiesel: Feedstocks, Technologies, Economics and Barriers. , 2019, , .		14
15	Biodiesel from Plant Oil and Waste Cooking Oil. , 2019, , 15-75.		2
16	Biodiesel from Algae. , 2019, , 77-112.		3
17	BaZrO3 and Cs-BaZrO3 catalysed transesterification of Millettia Pinnata oil and optimisation of reaction variables by response surface Box-Behnken design. Renewable Energy, 2019, 133, 411-421.	8.9	22
18	Role of biomass supply chain management in sustainable bioenergy production. Biofuels, 2019, 10, 109-119.	2.4	16

#	Article	IF	Citations
19	Cement wastes as transesterification catalysts for the production of biodiesel from Karanja oil. Journal of Cleaner Production, 2018, 183, 26-34.	9.3	66
20	Tinospora cordifolia stem extract as an antioxidant additive for enhanced stability of Karanja biodiesel. Industrial Crops and Products, 2018, 123, 10-16.	5.2	32
21	Utilization of lignocellulosic biomass by oleaginous yeast and bacteria for production of biodiesel and renewable diesel. Renewable and Sustainable Energy Reviews, 2017, 73, 654-671.	16.4	102
22	Challenges and Opportunities in Commercialization of Algal Biofuels. , 2017, , 421-450.		2
23	Bioenergy and Phytoremediation Potential of Millettia pinnata. , 2017, , 169-188.		5
24	Greening the Indian Transport Sector: Role of Biodiesel. , 2017, , 91-104.		0
25	Sustainability of Oil Seed-Bearing Bioenergy Plants in India (Jatropha, Karanja, and Castor) for Phytoremediation: A Meta-analysis Study. , 2017, , 409-430.		2
26	Life Cycle Assessment of Algal Biofuels. , 2015, , 165-181.		4
27	Bio-oil and Biodiesel as Biofuels Derived from Microalgal Oil and Their Characterization by Using Instrumental Techniques. , 2015, , 87-95.		5
28	Synthesis of biodiesel from Jatropha curcas oil using waste eggshell and study of its fuel properties. RSC Advances, 2015, 5, 63596-63604.	3.6	49
29	Ricinus communis: A robust plant for bio-energy and phytoremediation of toxic metals from contaminated soil. Ecological Engineering, 2015, 84, 640-652.	3.6	82
30	Advances in synthesis of biodiesel via enzyme catalysis: Novel and sustainable approaches. Renewable and Sustainable Energy Reviews, 2015, 41, 1447-1464.	16.4	236
31	Advancements in solid acid catalysts for ecofriendly and economically viable synthesis of biodiesel. Biofuels, Bioproducts and Biorefining, 2011, 5, 69-92.	3.7	170
32	Latest developments on application of heterogenous basic catalysts for an efficient and eco friendly synthesis of biodiesel: A review. Fuel, 2011, 90, 1309-1324.	6.4	289
33	Application of an Efficient Nonconventional Heterogeneous Catalyst for Biodiesel Synthesis from Pongamia pinnata Oil. Energy & Fuels, 2010, 24, 3223-3231.	5.1	177
34	High Yield and Conversion of Biodiesel from a Nonedible Feedstock (Pongamia pinnata). Journal of Agricultural and Food Chemistry, 2010, 58, 242-247.	5.2	64