

Ashish N Sawarkar

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,130
citations

516215

16
h-index

525886

27
g-index

32
all docs

32
docs citations

32
times ranked

691
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of Gasification and Co-gasification of Petcoke and Coal. Journal of the Institution of Engineers (India): Series E, 2022, 103, 31-39.	0.5	8
2	Co-pyrolysis of petroleum coke and banana leaves biomass: Kinetics, reaction mechanism, and thermodynamic analysis. Journal of Environmental Management, 2022, 301, 113854.	3.8	52
3	Pyrolysis of pigeon pea (Cajanus cajan) stalk: Kinetics and thermodynamic analysis of degradation stages via isoconversional and master plot methods. Bioresource Technology, 2022, 347, 126440.	4.8	41
4	Multiobjective optimization of ultrasound intensified and ionic liquid catalyzed in situ algal biodiesel production considering economic, environmental and safety indicators. Chemical Engineering Research and Design, 2022, 180, 134-152.	2.7	8
5	Reaction kinetics and coke forming propensities of Arabian mix asphalt vis-a-vis Arabian mix vacuum residue. Petroleum Science and Technology, 2022, 40, 1333-1348.	0.7	0
6	Insights into kinetic and thermodynamic analyses of co-pyrolysis of wheat straw and plastic waste via thermogravimetric analysis. Bioresource Technology, 2022, 356, 127332.	4.8	34
7	Bioethanol from various types of banana waste: A review. Bioresource Technology Reports, 2022, 18, 101092.	1.5	9
8	Simultaneous optimization of economic, environmental and safety criteria for algal biodiesel process retrofitted using dividing wall column and multistage vapor recompression. Chemical Engineering Research and Design, 2022, 164, 1-14.	2.7	10
9	Ultrasound-intensified biodiesel production from algal biomass: a review. Environmental Chemistry Letters, 2021, 19, 209-229.	8.3	28
10	Insights into kinetics, reaction mechanism, and thermodynamic analysis of pyrolysis of rice straw from rice bowl of India. Bioresource Technology Reports, 2021, 13, 100639.	1.5	21
11	Design and retrofitting of ultrasound intensified and ionic liquid catalyzed in situ algal biodiesel production. Chemical Engineering Research and Design, 2021, 171, 168-185.	2.7	13
12	Studies on individual pyrolysis and co-pyrolysis of corn cob and polyethylene: Thermal degradation behavior, possible synergism, kinetics, and thermodynamic analysis. Science of the Total Environment, 2021, 783, 147004.	3.9	88
13	Pyrolysis of agricultural crop residues: An overview of researches by Indian scientific community. Bioresource Technology Reports, 2021, 15, 100761.	1.5	17
14	Utilization of human urine and waste aluminum for generation of hydrogen. Bioresource Technology Reports, 2021, 15, 100821.	1.5	4
15	Pyrolysis of mustard oil residue: A kinetic and thermodynamic study. Bioresource Technology, 2021, 339, 125631.	4.8	28
16	Pyrolysis of corn cob: physico-chemical characterization, thermal decomposition behavior and kinetic analysis. Chemical Product and Process Modeling, 2021, 16, 117-127.	0.5	2
17	Pyrolysis of garlic husk biomass: Physico-chemical characterization, thermodynamic and kinetic analyses. Bioresource Technology Reports, 2020, 12, 100558.	1.5	40
18	Pyrolysis of banana leaves biomass: Physico-chemical characterization, thermal decomposition behavior, kinetic and thermodynamic analyses. Bioresource Technology, 2020, 310, 123464.	4.8	131

#	ARTICLE	IF	CITATIONS
19	Kinetics of co-gasification of rice husk biomass and high sulphur petroleum coke with oxygen as gasifying medium via TGA. <i>Bioresource Technology Reports</i> , 2020, 11, 100479.	1.5	46
20	Cavitation induced upgrading of heavy oil and bottom-of-the-barrel: A review. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104690.	3.8	30
21	Upgrading of Mumbai High vacuum residue. <i>Petroleum Science and Technology</i> , 2019, 37, 1090-1098.	0.7	15
22	Thermal behavior and kinetics of pyrolysis of areca nut husk. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2906-2916.	1.2	28
23	Preparation and characterization of CuO catalyst for the thermolysis treatment of distillery wastewater. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2604-2612.	1.2	13
24	A Sustainable and Efficient Synthesis of Benzyl Phosphonates Using PEG/KI Catalytic System. <i>Frontiers in Chemistry</i> , 2016, 4, 35.	1.8	3
25	Petroleum coke gasification: A review. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 441-468.	0.9	95
26	Use of ultrasound in petroleum residue upgradation. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 329-342.	0.9	26
27	Petroleum Residue Upgradation via Visbreaking: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8960-8988.	1.8	142
28	Petroleum Residue Upgrading Via Delayed Coking: A Review. <i>Canadian Journal of Chemical Engineering</i> , 2007, 85, 1-24.	0.9	139
29	Pyrolysis of waste polyethylene under vacuum using zinc oxide. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-15.	1.2	8
30	Thermal degradation and pyrolysis kinetics of two Indian rice husk varieties using thermogravimetric analysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-12.	1.2	25
31	Thermal decomposition aspects and kinetics of pyrolysis of garlic stalk. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-11.	1.2	22
32	Electrocoagulation process to remove contaminants of coking wastewater using aluminum electrode. , 0, 86, 68-79.		4