

List of Publications by Year in
Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

203 papers	7,586 citations	47 h-index	81 g-index
213 ext. papers	8,997 ext. citations	6.7 avg, IF	6.75 L-index

#	Paper	IF	Citations
203	Co-pyrolysis characteristics and kinetics of electronic waste and macroalgae: A synergy study based on thermogravimetric analysis. <i>Algal Research</i> , 2022 , 61, 102601	5	1
202	Deciphering Mn modulated structure-activity interplay and rational statistical analysis for CO ₂ rich syngas hydrogenation to clean methanol. <i>Journal of Cleaner Production</i> , 2022 , 340, 130794	10.3	0
201	Effect of work-function and morphology of heterostructure components on CO ₂ reduction photo-catalytic activity of MoS ₂ -Cu ₂ O heterostructure. <i>Chemical Engineering Journal</i> , 2022 , 433, 132709	14.7	1
200	Synthesis and application of TiO ₂ -supported phosphotungstic acid for ethyl levulinate production. <i>Materials Science for Energy Technologies</i> , 2022 , 5, 189-196	5.2	0
199	Current perspective of innovative strategies for bioremediation of organic pollutants from wastewater. <i>Bioresource Technology</i> , 2022 , 344, 126305	11	6
198	Integrated biorefinery processes for conversion of lignocellulosic biomass to value added materials: Paving a path towards circular economy. <i>Bioresource Technology</i> , 2022 , 343, 126151	11	10
197	Steering the Aspects of MgO-Induced Structure Sensitivity in Cu-Based Catalysts for CO ₂ -Rich Syngas Conversion to Dimethyl Ether: Cu/Zn Ratio and Lattice Parameters. <i>Energy & Fuels</i> , 2022 , 36, 2673-2687	4.1	1
196	Novel Thermal Technologies: Trends and Prospects 2022 , 1-43		
195	Catalytic production and application of bio-renewable butyl butyrate as jet fuel blend- A review.. <i>Journal of Environmental Management</i> , 2022 , 310, 114772	7.9	0
194	Advancements in the field of electronic waste Recycling: Critical assessment of chemical route for generation of energy and valuable products coupled with metal recovery. <i>Separation and Purification Technology</i> , 2022 , 289, 120773	8.3	1
193	Unveiling the Potential of Water as a Co-solvent in Microwave-assisted Delignification of Sugarcane Bagasse using Ternary Deep Eutectic Solvents.. <i>Bioresource Technology</i> , 2022 , 127005	11	1
192	Statistical evaluation of cow-dung derived activated biochar for phenol adsorption: Adsorption isotherms, kinetics, and thermodynamic studies.. <i>Bioresource Technology</i> , 2022 , 127030	11	3
191	Unravelling synergetic interaction over tandem Cu-ZnO-ZrO ₂ /hierarchical ZSM5 catalyst for CO ₂ hydrogenation to methanol and DME. <i>Fuel</i> , 2022 , 318, 123641	7.1	3
190	Recent Advances in the Valorization of Lignin: A Key Focus on Pretreatment, Characterization, and Catalytic Depolymerization Strategies for Future Biorefineries. <i>Advanced Sustainable Systems</i> , 2022 , 6, 2100299	5.9	1
189	Valorization of Microcrystalline Cellulose Using Heterogeneous Protonated Zeolite Catalyst: An Experimental and Kinetics Approach. <i>Reactions</i> , 2022 , 3, 283-299	1.5	0
188	An environmentally benign closed-loop process for the selective recovery of valuable metals from industrial end-of-life lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2022 , 137397	14.7	0
187	Microwave-assisted extraction of lignin from coconut coir using deep eutectic solvents and its valorization to aromatics.. <i>Bioresource Technology</i> , 2021 , 345, 126528	11	2

186	Blue hydrogen and carbon nanotube production via direct catalytic decomposition of methane in fluidized bed reactor: Capture and extraction of carbon in the form of CNTs. <i>Energy Conversion and Management</i> , 2021 , 232, 113893	10.6	9
185	Dissolution of brominated epoxy resin for environment friendly recovery of copper as cupric oxide nanoparticles from waste printed circuit boards using ammonium chloride roasting. <i>Journal of Cleaner Production</i> , 2021 , 291, 125928	10.3	11
184	Mesoporous Porphyrin-Silica Nanocomposite as Solid Acid Catalyst for High Yield Synthesis of HMF in Water. <i>Molecules</i> , 2021 , 26,	4.8	10
183	High yield synthesis of hexitols and ethylene glycol through one-pot hydrolytic hydrogenation of cellulose. <i>Fuel Processing Technology</i> , 2021 , 218, 106847	7.2	6
182	Impact of heavy metal laden algal biomass on hydrothermal liquefaction and biorefinery approach. <i>Chemical Engineering Research and Design</i> , 2021 , 145, 141-149	5.5	8
181	Comprehending the contemporary state of art in biogas enrichment and CO2 capture technologies via swing adsorption. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 6588-6612	6.7	13
180	Overview of sustainable fuel and energy technologies 2021 , 3-25		2
179	Unravelling the reactivity of metastable molybdenum carbide nanoclusters in the C-H bond activation of methane, ethane and ethylene. <i>Nanoscale</i> , 2021 , 13, 4451-4466	7.7	4
178	A novel crystalline nanoporous iron phosphonate based metal-organic framework as an efficient anode material for lithium ion batteries. <i>New Journal of Chemistry</i> , 2021 , 45, 15458-15468	3.6	1
177	Perspectives in Carbon Oxides Conversion to Methanol/Dimethyl Ether: Distinctive Contribution of Heterogeneous and Photocatalysis 2021 , 557-597		
176	Biohydrometallurgy: A Sustainable Approach for Urban Mining of Metals and Metal Refining 2021 , 865-892		3
175	Deep eutectic solvents: A greener approach towards biorefineries 2021 , 193-219		4
174	Recent Advancements and Detailed Understanding of Kinetics for Synthesis Gas Conversion into Liquid Fuel 2021 , 459-501		
173	Origin of MnO induced Cu ₀ /Cu ⁺ surface active centers for CO ₂ containing syngas conversion to DME via tandem catalysis. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 2781-2801	5.8	5
172	Tailoring the Physicochemical Properties of Mg Promoted Catalysts via One Pot Non-ionic Surfactant Assisted Co-precipitation Route for CO ₂ Co-feeding Syngas to Methanol. <i>Topics in Catalysis</i> , 2021 , 64, 395-413	2.3	4
171	CO ₂ Reduction to Methanol Using a Conjugated Organic-Inorganic Hybrid TiO ₂ @N ₄ Nano-assembly 2021 , 6, 395		1
170	High quality liquid fuel production from waste plastics via two-step cracking route in a bottom-up approach using bi-functional Fe/HZSM-5 catalyst. <i>Waste Management</i> , 2021 , 132, 151-161	8.6	5
169	MoS ₂ Nanosheets-Based Catalysts for Photocatalytic CO ₂ Reduction: A Review. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8644-8667	5.6	16

168	Pretreatment of lignocellulosic biomass: A review on recent advances. <i>Bioresource Technology</i> , 2021 , 334, 125235	11	92
167	Cross-Linked Porous Polymers as Heterogeneous Organocatalysts for Task-Specific Applications in Biomass Transformations, CO ₂ Fixation, and Asymmetric Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12431-12460	8.3	12
166	Efficient extraction of metals from thermally treated waste printed circuit boards using solid state chlorination: Statistical modeling and optimization. <i>Journal of Cleaner Production</i> , 2021 , 313, 127950	10.3	2
165	Efficient recovery of Cu and Ni from WPCB via alkali leaching approach. <i>Journal of Environmental Management</i> , 2021 , 296, 113154	7.9	8
164	Exploration of heavy metal uptake potential of three algal strains/consortia in suspended and attached growth systems. <i>Journal of Water Process Engineering</i> , 2021 , 43, 102315	6.7	2
163	Improving enzymatic digestibility of sugarcane bagasse from different varieties of sugarcane using deep eutectic solvent pretreatment. <i>Bioresource Technology</i> , 2021 , 337, 125480	11	12
162	Instructive analysis of engineered carbon materials for potential application in water and wastewater treatment. <i>Science of the Total Environment</i> , 2021 , 793, 148583	10.2	9
161	Investigating the role of oxygen vacancies and basic site density in tuning methanol selectivity over Cu/CeO ₂ catalyst during CO ₂ hydrogenation. <i>Fuel</i> , 2021 , 303, 121289	7.1	14
160	Microwave mediated enhanced production of 5-hydroxymethylfurfural using choline chloride-based eutectic mixture as sustainable catalyst. <i>Renewable Energy</i> , 2021 , 177, 643-651	8.1	5
159	High level xylitol production by <i>Pichia</i> fermentans using non-detoxified xylose-rich sugarcane bagasse and olive pits hydrolysates. <i>Bioresource Technology</i> , 2021 , 342, 126005	11	12
158	Thermocatalytic Conversion of Natural Gas to Petrochemical Feedstocks Via Non-oxidative Methods: Theoretical and Experimental Approaches 2021 , 229-252		
157	Insights into reductive depolymerization of Kraft lignin to produce aromatics in the presence of Pt/HZSM-23 catalyst. <i>Materials Science for Energy Technologies</i> , 2021 , 4, 341-348	5.2	2
156	Waste Handling and Pre-treatment 2020 , 15-38		1
155	Understanding reaction kinetics, deprotonation and solvation of brñsted acidic protons in heteropolyacid catalyzed synthesis of biorenewable alkyl levulinates. <i>Chemical Engineering Journal</i> , 2020 , 400, 125916	14.7	22
154	Hydrotalcite supported bimetallic (Ni-Cu) catalyst: A smart choice for one-pot conversion of biomass-derived platform chemicals to hydrogenated biofuels. <i>Fuel</i> , 2020 , 277, 118111	7.1	15
153	Controlling the Evolution of Active Molybdenum Carbide by Moderating the Acidity of Mo/HMCM-22 Catalyst in Methane Dehydroaromatization. <i>Catalysis Letters</i> , 2020 , 150, 3653-3666	2.8	6
152	Boric acid treated HZSM-5 for improved catalyst activity in non-oxidative methane dehydroaromatization. <i>Catalysis Science and Technology</i> , 2020 , 10, 3857-3867	5.5	9
151	2020 ,		5

150	A review of biochemical and thermochemical energy conversion routes of wastewater grown algal biomass. <i>Science of the Total Environment</i> , 2020 , 726, 137961	10.2	46
149	Development of Self-Healing Cement Slurry through the Incorporation of Dual-Encapsulated Polyacrylamide for the Prevention of Water Ingress in Oil Well. <i>Materials</i> , 2020 , 13,	3.5	8
148	Topotactic transformation of homogeneous phosphotungstomolybdic acid materials to heterogeneous solid acid catalyst for carbohydrate conversion to alkyl methylfurfural and alkyl levulinate.. <i>RSC Advances</i> , 2020 , 10, 705-718	3.7	4
147	Promotional effects of Cu and Zn in hydrotalcite-derived methane tri-reforming catalyst. <i>Applied Surface Science</i> , 2020 , 515, 146010	6.7	17
146	Eco-friendly recovery of metals from waste mobile printed circuit boards using low temperature roasting. <i>Journal of Hazardous Materials</i> , 2020 , 395, 122642	12.8	28
145	Scale-up Process for Metal Extraction from Solid Waste 2020 , 181-205		
144	Conventional Technologies for Metal Extraction from Waste 2020 , 39-70		
143	Future Technology for Metal Extraction from Waste 2020 , 157-179		
142	An insight into the promotional effect on Fe-Co bimetallic catalyst in the Fischer Tropsch reaction: A DRIFTS study. <i>Fuel</i> , 2020 , 276, 118044	7.1	6
141	Exploration of a novel biorefinery based on sequential hydropyrolysis and anaerobic digestion of algal biofilm: a comprehensive characterization of products for energy and chemical production. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1481-1495	5.8	15
140	Tuning the metal-support interaction of methane tri-reforming catalysts for industrial flue gas utilization. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 1911-1929	6.7	23
139	Insights into Microwave-Assisted Synthesis of 5-Ethoxymethylfurfural and Ethyl Levulinate Using Tungsten Disulfide as a Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1721-1729	8.3	20
138	Environmentally friendly approach for the recovery of metallic fraction from waste printed circuit boards using pyrolysis and ultrasonication. <i>Waste Management</i> , 2020 , 118, 150-160	8.6	30
137	Hydrotalcite-derived Ni-Zn-Mg-Al catalyst for Tri-reforming of methane: Effect of divalent to trivalent metal ratio and Ni loading. <i>Fuel Processing Technology</i> , 2020 , 210, 106559	7.2	7
136	Fractionation of coal through organo-separative refining for enhancing its potential for the CO ₂ -gasification. <i>International Journal of Coal Science and Technology</i> , 2020 , 7, 504-515	4.5	8
135	Unfolding the role of molybdenum disulfide as a catalyst to produce platform chemicals from biorenewable resources. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	3
134	Investigations on energy efficiency of biomethane/biocrude production from pilot scale wastewater grown algal biomass. <i>Applied Energy</i> , 2019 , 254, 113656	10.7	28
133	Biomass-derived CO ₂ rich syngas conversion to higher hydrocarbon via Fischer-Tropsch process over FeCo bimetallic catalyst. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 27741-27748	6.7	26

132	Properties and Importance of Various Bamboo Species for Multi-Utility Applications 2019 , 251-283		2
131	Synthesis and Characterization of Zirconia Supported Silicotungstic Acid for Ethyl Levulinate Production. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 16045-16054	3.9	16
130	Insights into the Synthesis of Ethyl Levulinate under Microwave and Nonmicrowave Heating Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 16055-16064	3.9	14
129	An ultra-light flexible aerogel-based on methane derived CNTs as a reinforcing agent in silica-CMC matrix for efficient oil adsorption. <i>Journal of Hazardous Materials</i> , 2019 , 375, 206-215	12.8	29
128	Effect of support materials on the performance of Ni-based catalysts in tri-reforming of methane. <i>Fuel Processing Technology</i> , 2019 , 186, 40-52	7.2	41
127	Detailed kinetics of Fischer Tropsch synthesis over Fe-Co bimetallic catalyst considering chain length dependent olefin desorption. <i>Fuel</i> , 2019 , 236, 1263-1272	7.1	12
126	Pyrolysis and kinetic analyses of a perennial grass (<i>Saccharum ravennae</i> L.) from north-east India: Optimization through response surface methodology and product characterization. <i>Bioresource Technology</i> , 2018 , 253, 304-314	11	35
125	Integrated thermo-catalytic reforming of residual sugarcane bagasse in a laboratory scale reactor. <i>Fuel Processing Technology</i> , 2018 , 171, 277-286	7.2	34
124	Novel technologies and conventional processes for recovery of metals from waste electrical and electronic equipment: Challenges & opportunities A review. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 1288-1304	6.8	66
123	Lignin Conversion: A Key to the Concept of Lignocellulosic Biomass-Based Integrated Biorefinery 2018 , 409-444		32
122	Investigations on the effect of reaction parameters over Fe/Cu/K catalyst for the production of selective range of liquid hydrocarbon. <i>Journal of Chemical Sciences</i> , 2018 , 130, 1	1.8	2
121	Glycerol conversion over palladium- and alumina-impregnated KIT-6 for the production of gasoline range hydrocarbons. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 751-757	4.3	4
120	Mechanistic Insights into the Activity of Mo-Carbide Clusters for Methane Dehydrogenation and Carbon-Carbon Coupling Reactions To Form Ethylene in Methane Dehydroaromatization. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11754-11764	3.8	18
119	Synergistic Effect of Fe-Cu Bimetallic Catalyst on FTS and WGS Activity in the Fischer-Tropsch Process: A Kinetic Study. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4659-4671	3.9	15
118	Mass-Scale Algal Biomass Production Using Algal Biofilm Reactor and Conversion to Energy and Chemical Precursors by Hydropyrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4234-4242	8.3	17
117	Synthesis of C5+ hydrocarbons from low H ₂ /CO ratio syngas over silica supported bimetallic Fe-Co catalyst. <i>Catalysis Today</i> , 2017 , 291, 133-145	5.3	23
116	Hydrolysis of cellulosic bamboo biomass into reducing sugars via a combined alkaline solution and ionic liquid pretreatment steps. <i>Renewable Energy</i> , 2017 , 104, 177-184	8.1	80
115	Insights into the metal salt catalyzed ethyl levulinate synthesis from biorenewable feedstocks. <i>Catalysis Today</i> , 2017 , 291, 187-194	5.3	26

114	Efficient utilization of bimetallic catalyst in low ($\frac{H_2}{CO}$) environment syngas for liquid fuel production. <i>Journal of Chemical Sciences</i> , 2017 , 129, 1747-1754	1.8	2
113	Non-oxidative conversion of methane into higher hydrocarbons over Mo/MCM-22 catalyst. <i>Journal of Chemical Sciences</i> , 2017 , 129, 1705-1711	1.8	6
112	Removal of arsenic and fluoride from aqueous solution by biomass based activated biochar: Optimization through response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5528-5539	6.8	43
111	Selective hydroalkylation of benzene over palladium supported Y-Zeolite: Effect of metal acid balance. <i>Molecular Catalysis</i> , 2017 , 442, 27-38	3.3	9
110	Efficient utilization of potash alum as a green catalyst for production of furfural, 5-hydroxymethylfurfural and levulinic acid from mono-sugars. <i>RSC Advances</i> , 2017 , 7, 41973-41979	3.7	24
109	Development and performance evaluation of an algal biofilm reactor for treatment of multiple wastewaters and characterization of biomass for diverse applications. <i>Bioresource Technology</i> , 2017 , 224, 276-284	11	75
108	Recent Advances in Production of Biofuel and Commodity Chemicals from Algal Biomass 2017 , 393-419		5
107	Algal Biofilm Systems: An Answer to Algal Biofuel Dilemma 2017 , 77-96		8
106	Biorefinery solid cake waste to biocrude via hydrothermal treatment: optimization of process parameters using statistical approach. <i>Biomass Conversion and Biorefinery</i> , 2016 , 6, 79-90	2.3	3
105	Model-fitting approach for methylene blue dye adsorption on Camelina and Sapindus seeds-derived adsorbents. <i>Adsorption Science and Technology</i> , 2016 , 34, 565-580	3.6	9
104	Catalytic Steam Reforming of Model Oxygenates of Bio-oil for Hydrogen Production Over La Modified Ni/CeO ₂ /ZrO ₂ Catalyst. <i>Topics in Catalysis</i> , 2016 , 59, 1343-1353	2.3	6
103	Kinetic Study and Modeling of Homogeneous Thermocatalytic Decomposition of Methane over a Ni ₂ Co ₂ /Al ₂ O ₃ Catalyst for the Production of Hydrogen and Bamboo-Shaped Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11672-11680	3.9	25
102	Effect of heating/reheating of fats/oils, as used by Asian Indians, on trans fatty acid formation. <i>Food Chemistry</i> , 2016 , 212, 663-70	8.5	51
101	Field investigations of selectively treated bamboo species. <i>European Journal of Wood and Wood Products</i> , 2016 , 74, 771-773	2.1	2
100	Catalytic and mechanistic insights into the production of ethyl levulinate from biorenewable feedstocks. <i>Green Chemistry</i> , 2016 , 18, 4804-4823	10	162
99	Mechanistic Kinetic Modeling of Oxidative Steam Reforming of Bioethanol for Hydrogen Production over Rh ₂ Ni/CeO ₂ /ZrO ₂ Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 86-98	3.9	12
98	Characterization of commercially important Asian bamboo species. <i>European Journal of Wood and Wood Products</i> , 2016 , 74, 137-139	2.1	16
97	Greener approach for the extraction of copper metal from electronic waste. <i>Waste Management</i> , 2016 , 57, 102-112	8.6	50

96	Chemical characterization and decay resistance analysis of smoke treated bamboo species. <i>European Journal of Wood and Wood Products</i> , 2016 , 74, 625-628	2.1	6
95	Synergistic effect of ionic liquid and dilute sulphuric acid in the hydrolysis of microcrystalline cellulose. <i>Fuel Processing Technology</i> , 2016 , 148, 289-294	7.2	36
94	In situ upgradation of biocrude vapor generated from non-edible oil cake's hydrothermal conversion over aluminated mesoporous catalysts. <i>Renewable Energy</i> , 2016 , 95, 43-52	8.1	4
93	Depolymerization of microcrystalline cellulose to value added chemicals using sulfate ion promoted zirconia catalyst. <i>Bioresource Technology</i> , 2016 , 220, 394-400	11	18
92	Intermediate pyrolysis of agro-industrial biomasses in bench-scale pyrolyser: Product yields and its characterization. <i>Bioresource Technology</i> , 2015 , 188, 258-64	11	61
91	Production and characterization of biocrude and biochar obtained from non-edible de-oiled seed cakes hydrothermal conversion. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 115, 77-86	6	23
90	Hydroisomerization of n-hexadecane over Pt/ZSM-22 framework: Effect of divalent cation exchange. <i>Journal of Molecular Catalysis A</i> , 2015 , 404-405, 47-56		25
89	Oxidative and non-oxidative steam reforming of crude bio-ethanol for hydrogen production over Rh promoted Ni/CeO ₂ -ZrO ₂ catalyst. <i>Applied Catalysis A: General</i> , 2015 , 499, 19-31	5.1	55
88	The thermodynamics and biodegradability of chelating agents upon metal extraction. <i>Chemical Engineering Science</i> , 2015 , 137, 768-785	4.4	12
87	Hydrogen generation from biomass materials: challenges and opportunities. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2015 , 4, 139-155	4.7	24
86	Chelation technology: a promising green approach for resource management and waste minimization. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 12-40	4.3	54
85	Perennial grass (<i>Arundo donax</i> L.) as a feedstock for thermo-chemical conversion to energy and materials. <i>Bioresource Technology</i> , 2015 , 188, 265-72	11	97
84	Methanol assisted methane conversion for higher hydrocarbon over bifunctional Zn-modified Mo/HZSM-5 catalyst. <i>Journal of Molecular Catalysis A</i> , 2015 , 398, 368-375		28
83	Catalytic oxidative steam reforming of bio-ethanol for hydrogen production over Rh promoted Ni/CeO ₂ -ZrO ₂ catalyst. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 2529-2544	6.7	96
82	Conceptual mechanism and kinetic studies of chelating agent assisted metal extraction process from spent catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 27, 373-383	6.3	15
81	Hydroisomerization of Long Chain n-Paraffins over Pt/ZSM-22: Influence of Si/Al Ratio. <i>Energy & Fuels</i> , 2015 , 29, 1066-1075	4.1	27
80	Direct conversion of methane with methanol toward higher hydrocarbon over Ga modified Mo/H-ZSM-5 catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 2364-2369	6.3	29
79	Hydroisomerization of n-hexadecane over Brønsted acid site tailored Pt/ZSM-12. <i>Journal of Porous Materials</i> , 2014 , 21, 849-857	2.4	15

78	Synthesis of green fuels from biogenic waste through thermochemical route [The role of heterogeneous catalyst: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 38, 131-153	16.2	45
77	Biosorption of Textile Dye by <i>Aspergillus lentulus</i> Pellets: Process Optimization and Cyclic Removal in Aerated Bioreactor. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	18
76	Effect of different catalyst on the co-cracking of Jatropha oil, vacuum residue and high density polyethylene. <i>Fuel</i> , 2014 , 133, 96-105	7.1	17
75	Biomass, Conversion Routes and Products [An Overview 2014 , 1-30		3
74	An Oxalic-Acid-Treated ZnO/CuO/HZSM-5 Catalyst With High Resistance To Coke Formation For The Conversion Of Methanol To Hydrocarbons. <i>International Journal of Green Energy</i> , 2014 , 11, 376-388	3	1
73	CO-hydrogenation of syngas to fuel using silica supported Fe/Cu catalysts: Effects of active components. <i>Fuel Processing Technology</i> , 2014 , 118, 82-89	7.2	21
72	CO-hydrogenation over silica supported iron based catalysts: Influence of potassium loading. <i>Applied Energy</i> , 2013 , 111, 267-276	10.7	27
71	Steam reforming of acetic acid for hydrogen production over bifunctional Ni/Cu catalysts. <i>Catalysis Today</i> , 2013 , 207, 36-43	5.3	61
70	Kinetic and Thermodynamic Studies of Ni(II) Adsorption onto Activated Carbon of <i>Abelmoschus manihot</i> from Aqueous Solutions. <i>Journal of Dispersion Science and Technology</i> , 2013 , 34, 923-931	1.5	3
69	Characterization of North American Lignocellulosic Biomass and Biochars in Terms of their Candidacy for Alternate Renewable Fuels. <i>Bioenergy Research</i> , 2013 , 6, 663-677	3.1	224
68	Development of green technology for extraction of nickel from spent catalyst and its optimization using response surface methodology. <i>Green Processing and Synthesis</i> , 2013 , 2,	3.9	7
67	Direct conversion of natural gas to higher hydrocarbons: A review. <i>Journal of Energy Chemistry</i> , 2013 , 22, 543-554	12	80
66	Synthesis of carbon nanotubes by thermo catalytic decomposition of methane over Cu and Zn promoted Ni/MCM-22 catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2013 , 1, 746-754	6.8	19
65	Evaluation of the physiochemical development of biochars obtained from pyrolysis of wheat straw, timothy grass and pinewood: Effects of heating rate. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 104, 485-493	6	167
64	Synthesis of hydrogen and carbon nanotubes over copper promoted Ni/SiO ₂ catalyst by thermocatalytic decomposition of methane. <i>Journal of Natural Gas Science and Engineering</i> , 2013 , 13, 52-59	4.6	80
63	Hydrogen production by steam reforming of model bio-oil using structured Ni/Al ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 921-933	6.7	37
62	Kinetic Study of Steam Reforming of Ethanol on Ni-Based Ceria-Zirconia Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15763-15771	3.9	43
61	Metal Recovery From Hydroprocessing Spent Catalyst: A Green Chemical Engineering Approach. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16724-16736	3.9	39

60	Statistical Optimization of Process Variables for Methane Conversion over Zn-Mo/H-ZSM-5 Catalysts in the Presence of Methanol. <i>Energy Technology</i> , 2013 , 1, 157-165	3.5	10
59	Extraction of Nickel from Spent Catalyst Using Biodegradable Chelating Agent EDDS. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 10354-10363	3.9	34
58	Hydrogen production from steam reforming of acetic acid over Cu-Zn supported calcium aluminate. <i>Bioresource Technology</i> , 2012 , 123, 558-65	11	38
57	Response Surface Modeling and Optimization of CO Hydrogenation for Higher Liquid Hydrocarbon Using Cu ₂ O/Cr + ZSM-5 Bifunctional Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 4843-4853	3.9	14
56	Renewable Hydrogen Generation by Steam Reforming of Acetic Acid over Cu-Zn-Ni Supported Calcium Aluminate Catalysts. <i>ACS Symposium Series</i> , 2012 , 111-137	0.4	4
55	Deep desulfurization of diesel fuel by selective adsorption over Ni/Al ₂ O ₃ and Ni/ZSM-5 extrudates. <i>Fuel</i> , 2012 , 93, 86-91	7.1	95
54	Studies on mercury bioremediation by alginate immobilized mercury tolerant <i>Bacillus cereus</i> cells. <i>International Biodeterioration and Biodegradation</i> , 2012 , 71, 1-8	4.8	64
53	Effect of K and CeO ₂ promoters on the activity of Co/SiO ₂ catalyst for liquid fuel production from syngas. <i>Applied Energy</i> , 2012 , 94, 385-394	10.7	25
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45	Extraction of nickel from spent catalyst using fresh and recovered EDTA. <i>Journal of Hazardous Materials</i> , 2009 , 171, 253-61	12.8	49
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