Wen Chengyan

List of Publications by Year
in descending order

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16 papers	615 citations	759055 12 h-index	940416 16 g-index
16 all docs	16 docs citations	16 times ranked	772 citing authors

#	Article	IF	Citations
1	Manganese-Promoted Fe₃O₄ Microsphere for Efficient Conversion of CO₂ to Light Olefins. Industrial & Engineering Chemistry Research, 2020, 59, 2155-2162.	1.8	84
2	Fischer-Tropsch synthesis to light olefins over iron-based catalysts supported on KMnO 4 modified activated carbon by a facile method. Applied Catalysis A: General, 2017, 541, 50-59.	2.2	80
3	Magnetically Recyclable MoS₂/Fe₃O₄ Hybrid Composite as Visible Light Responsive Photocatalyst with Enhanced Photocatalytic Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 1673-1682.	3.2	76
4	Selective hydrogenolysis of 5-hydroxymethylfurfural to 2,5-dimethylfuran over Co3O4 catalyst by controlled reduction. Journal of Energy Chemistry, 2019, 30, 34-41.	7.1	70
5	Selective Hydrodeoxygenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran over Alloyed Cuâ^'Ni Encapsulated in Biochar Catalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 19556-19569.	3.2	56
6	Enhancing levoglucosan production from waste biomass pyrolysis by Fenton pretreatment. Waste Management, 2020, 108, 70-77.	3.7	52
7	One-Pot Hydrogenation of Furfural into Tetrahydrofurfuryl Alcohol under Ambient Conditions over PtNi Alloy Catalyst. Energy & Fuels, 2020, 34, 2178-2184.	2.5	37
8	Effect of hierarchical ZSM-5 zeolite support on direct transformation from syngas to aromatics over the iron-based catalyst. Fuel, 2019, 244, 492-498.	3.4	33
9	Understanding the geometric and electronic factors of PtNi bimetallic surfaces for efficient and selective catalytic hydrogenation of biomass-derived oxygenates. Journal of Energy Chemistry, 2021, 60, 16-24.	7.1	30
10	Efficient Conversion of Glucose to 5-Hydroxymethylfurfural over a Sn-Modified SAPO-34 Zeolite Catalyst. Industrial & Engineering Chemistry Research, 2021, 60, 5838-5851.	1.8	24
11	Single-Step Selective Conversion of Carbon Dioxide to Aromatics over Na-Fe₃O₄/Hierarchical HZSM-5 Zeolite Catalyst. Energy & Fuels, 2020, 34, 11282-11289.	2.5	23
12	The low-temperature NO2 removal by tailoring metal node in porphyrin-based metal-organic frameworks. Science of the Total Environment, 2021, 801, 149710.	3.9	17
13	Direct conversion of simulated propene-rich bio-syngas to liquid iso-hydrocarbons via FT-oligomerization integrated catalytic process. Energy Conversion and Management, 2018, 171, 211-221.	4.4	10
14	Sustainable metal-lignosulfonate catalyst for efficient catalytic transfer hydrogenation of levulinic acid to Î³-valerolactone. Applied Catalysis A: General, 2022, 635, 118556.	2.2	10
15	Deep insight into the catalytic removal mechanism of a multi-active center catalyst for chlorobenzene: an experiment and density functional theory study. Catalysis Science and Technology, 2020, 10, 6879-6891.	2.1	8
16	Enhancement of Light Olefins Selectivity Over N-Doped Fischer-Tropsch Synthesis Catalyst Supported on Activated Carbon Pretreated with KMnO4. Catalysts, 2019, 9, 505.	1.6	5