Dan Li

List of Publications by Year
in descending order

43 papers	1,831 citations	331670 21 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	1869 citing authors

#	Article	IF	Citations
1	Studies of the synthesis of transition metal phosphides and their activity in the hydrodeoxygenation of a biofuel model compound. Journal of Catalysis, 2012, 294, 184-198.	6.2	214
2	Structure Sensitivity of Auâ€TiO₂ Strong Metalâ€“Support Interactions. Angewandte Chemie - International Edition, 2021, 60, 12074-12081.	13.8	161
3	Probing Surface Structures of CeO₂, TiO₂, and Cu₂O Nanocrystals with CO and CO₂ Chemisorption. Journal of Physical Chemistry C, 2016, 120, 21472-21485.	3.1	143
4	Overturning CO₂ Hydrogenation Selectivity with High Activity via Reaction-Induced Strong Metalâ€“Support Interactions. Journal of the American Chemical Society, 2022, 144, 4874-4882.	13.7	139
5	Production of high-grade diesel from palmitic acid over activated carbon-supported nickel phosphide catalysts. Applied Catalysis B: Environmental, 2016, 187, 375-385.	20.2	113
6	The Remarkable Enhancement of COâ€Pretreated CuOï£¿Mn₂O₃/Î³â€Al₂O₃ Supported Catalyst for the Reduction of NO with CO: The Formation of Surface Synergetic Oxygen Vacancy. Chemistry - A European Journal, 2011, 17, 5668-5679.	3.3	109
7	Reaction Sensitivity of Ceria Morphology Effect on Ni/CeO₂ Catalysis in Propane Oxidation Reactions. ACS Applied Materials & Interfaces, 2017, 9, 35897-35907.	8.0	105
8	Vermicompost and biochar as bio-conditioners to immobilize heavy metal and improve soil fertility on cadmium contaminated soil under acid rain stress. Science of the Total Environment, 2018, 621, 1057-1065.	8.0	100
9	Morphologyâ€Engineered Highly Active and Stable Ru/TiO₂ Catalysts for Selective CO Methanation. Angewandte Chemie - International Edition, 2019, 58, 10732-10736.	13.8	81
10	The production of diesel-like hydrocarbons from palmitic acid over HZSM-22 supported nickel phosphide catalysts. Applied Catalysis B: Environmental, 2015, 174-175, 504-514.	20.2	76
11	Site Sensitivity of Interfacial Charge Transfer and Photocatalytic Efficiency in Photocatalysis: Methanol Oxidation on Anatase TiO₂ Nanocrystals. Angewandte Chemie - International Edition, 2021, 60, 6160-6169.	13.8	52
12	Elucidation of the mechanisms into effects of organic acids on soil fertility, cadmium speciation and ecotoxicity in contaminated soil. Chemosphere, 2020, 239, 124706.	8.2	50
13	Morphology-Dependent Evolutions of Sizes, Structures, and Catalytic Activity of Au Nanoparticles on Anatase TiO₂ Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 10367-10376.	3.1	39
14	Fine cubic Cu2O nanocrystals as highly selective catalyst for propylene epoxidation with molecular oxygen. Nature Communications, 2021, 12, 5921.	12.8	33
15	The Deoxygenation Pathways of Palmitic Acid into Hydrocarbons on Silica-Supported Ni12P5 and Ni2P Catalysts. Catalysts, 2018, 8, 153.	3.5	28
16	Niâ€“Fe Catalysts Supported on Î³-Al₂O₃/HZSM-5 for Transformation of Palmitic Acid into Hydrocarbon Fuel. Industrial & Engineering Chemistry Research, 2020, 59, 17373-17386.	3.7	28
17	Unraveling enhanced activity and coke resistance of Pt-based catalyst in bio-aviation fuel refining. Applied Energy, 2021, 301, 117469.	10.1	28
18	Recent advances for the production of hydrocarbon biofuel via deoxygenation progress. Science Bulletin, 2015, 60, 2096-2106.	9.0	27

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19	Bimetallic Ni and Mo Nitride as an Efficient Catalyst for Hydrodeoxygenation of Palmitic Acid. ACS Catalysis, 2022, 12, 4333-4343.	11.2	25
20	Controlling the growth of activated carbon supported nickel phosphide catalysts via adjustment of surface group distribution for hydrodeoxygenation of palmitic acid. Catalysis Today, 2019, 319, 182-190.	4.4	24
21	The Conversion of Jatropha Oil into Jet Fuel on NiMo/Alâ€MCMâ€41 Catalyst: Intrinsic Synergic Effects between Ni and Mo. Energy Technology, 2019, 7, 1800809.	3.8	23
22	A rapid, adaptative DNA biosensor based on molecular beacon-concatenated dual signal amplification strategies for ultrasensitive detection of p53 gene and cancer cells. Talanta, 2020, 210, 120638.	5.5	23
23	Transformation of Jatropha Oil into High-Quality Biofuel over Niâ€"W Bimetallic Catalysts. ACS Omega, 2019, 4, 10580-10592.	3.5	22
24	One-step synthesis of highly active and stable Ni-ZrO2 catalysts for the conversion of methyl laurate to alkanes. Journal of Catalysis, 2022, 413, 297-310.	6.2	20
25	Efficient catalytic conversion of jatropha oil to high grade biofuel on Ni-Mo2C/MCM-41 catalysts with tuned surface properties. Journal of Energy Chemistry, 2021, 61, 425-435.	12.9	19
26	Corrosion of Iron-Nickel Foam to In Situ Fabricate Amorphous FeNi (Oxy)hydroxide Nanosheets as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. ACS Applied Energy Materials, 2021, 4, 8791-8800.	5.1	17
27	Sizeâ€Dependency of Gold Nanoparticles on TiO₂ for CO Oxidation. Small Methods, 2018, 2, 1800273.	8.6	16
28	The effect of support on nickel phosphide catalysts for one-pot conversion of jatropha oil into high grade hydrocarbons. Catalysis Today, 2021, 367, 83-94.	4.4	15
29	Unraveling the SO₂ Poisoning Effect over the Lifetime of MeO_{<i>x</i>} (Me =) Tj ETQq1 1 0.784314 rgBT /Ove with Surface Species. Journal of Physical Chemistry C, 2022, 126, 12168-12177.	3.1	12
30	Structure Sensitivity of Auâ€TiO 2 Strong Metalâ€"Support Interactions. Angewandte Chemie, 2021, 133, 12181-12188.	2.0	11
31	Abscisic acid receptors are involves in the Jasmonate signaling in <i>Arabidopsis</i>. Plant Signaling and Behavior, 2021, 16, 1948243.	2.4	10
32	Molybdenum carbide as catalyst in biomass derivatives conversion. Journal of Energy Chemistry, 2022, 73, 68-87.	12.9	10
33	Efficiency conversion of jatropha oil into high-quality biofuel over the innovative Ni-Mo2N based catalyst. Fuel, 2022, 324, 124548.	6.4	9
34	Methanol Partial Oxidation Over Shaped Silver Nanoparticles Derived from Cubic and Octahedral Ag2O Nanocrystals. Catalysis Letters, 2019, 149, 2482-2491.	2.6	8
35	Size-Dependent Structures and Catalytic Performances of Au/TiO₂-{001} Catalysts for Propene Epoxidation. Journal of Physical Chemistry C, 2020, 124, 15264-15274.	3.1	8
36	Morphologieâ€optimierte hochaktive und â€stabile Ru/TiO₂â€Katalysatoren fÃ¼r die selektive COâ€Methanisierung. Angewandte Chemie, 2019, 131, 10842-10847.	2.0	7

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37	Site Sensitivity of Interfacial Charge Transfer and Photocatalytic Efficiency in Photocatalysis: Methanol Oxidation on Anatase TiO 2 Nanocrystals. Angewandte Chemie, 2021, 133, 6225-6234.	2.0	7
38	The Deoxygenation of Jatropha Oil to High Quality Fuel via the Synergistic Catalytic Effect of Ni, W2C and WC Species. Catalysts, 2021, 11, 469.	3.5	6
39	Chemical-switching strategy for the production of green biofuel on NiCo/MCM-41 catalysts by tuning atmosphere. Fuel, 2022, 315, 123118.	6.4	6
40	A self-assembly based on a hydrogel interface: facile, rapid, and large-scale preparation of colloidal photonic crystals. Materials Chemistry Frontiers, 2020, 4, 2409-2417.	5.9	3
41	Theoretical insight into the deoxygenation molecular mechanism of butyric acid catalyzed by a Ni₁₂P₆ cluster. Catalysis Science and Technology, 2021, 11, 6425-6437.	4.1	2
42	Mechanism Insight into Catalytic Performance of Ni12P5 over Ni2P toward the Catalytic Deoxygenation of Butyric Acid. Catalysts, 2022, 12, 569.	3.5	1
43	Integration of transcriptomic and proteomic analyses of cold shock response in Kosmotoga olearia, a typical thermophile with an incredible minimum growth temperature at 20ÂÂ°C. Brazilian Journal of Microbiology, 2022, 53, 71.	2.0	0