Feng Li

List of Publications by Year
in descending order

78 papers	5,806 citations	117625 34 h-index	82547 72 g-index
78 all docs	78 docs citations	78 times ranked	6312 citing authors

#	Article	IF	Citations
1	Catalytic applications of layered double hydroxides: recent advances and perspectives. Chemical Society Reviews, 2014, 43, 7040-7066.	38.1	1,381
2	Preparation of Layered Double-Hydroxide Nanomaterials with a Uniform Crystallite Size Using a New Method Involving Separate Nucleation and Aging Steps. Chemistry of Materials, 2002, 14, 4286-4291.	6.7	608
3	Applications of Layered Double Hydroxides. , 0, , 193-223.		396
4	Influence of Zr on the performance of Cu/Zn/Al/Zr catalysts via hydrotalcite-like precursors for CO2 hydrogenation to methanol. Journal of Catalysis, 2013, 298, 51-60.	6.2	322
5	CO2 hydrogenation to methanol over Cu/ZnO/ZrO2 catalysts prepared by precipitation-reduction method. Applied Catalysis B: Environmental, 2016, 191, 8-17.	20.2	260
6	Influence of modifier (Mn, La, Ce, Zr and Y) on the performance of Cu/Zn/Al catalysts via hydrotalcite-like precursors for CO2 hydrogenation to methanol. Applied Catalysis A: General, 2013, 468, 442-452.	4.3	209
7	Nitrogen-doped carbon-decorated copper catalyst for highly efficient transfer hydrogenolysis of 5-hydroxymethylfurfural to convertibly produce 2,5-dimethylfuran or 2,5-dimethyltetrahydrofuran. Applied Catalysis B: Environmental, 2018, 226, 523-533.	20.2	137
8	Self-generated Template Pathway to High-Surface-Area Zinc Aluminate Spinel with Mesopore Network from a Single-Source Inorganic Precursor. Chemistry of Materials, 2006, 18, 5852-5859.	6.7	130
9	Hydrogenation of biomass-derived compounds containing a carbonyl group over a copper-based nanocatalyst: Insight into the origin and influence of surface oxygen vacancies. Journal of Catalysis, 2016, 340, 184-195.	6.2	101
10	Facile synthesis and enhanced catalytic performance of graphene-supported Ni nanocatalyst from a layered double hydroxide-based composite precursor. Journal of Materials Chemistry A, 2014, 2, 7880.	10.3	96
11	Highly Efficient and Stable Bimetallic AuPd over La-Doped Caâ€“Mgâ€“Al Layered Double Hydroxide for Base-Free Aerobic Oxidation of 5-Hydroxymethylfurfural in Water. ACS Sustainable Chemistry and Engineering, 2017, 5, 5852-5861.	6.7	88
12	Structure-dependent selective hydrogenation of cinnamaldehyde over high-surface-area CeO 2 -ZrO 2 composites supported Pt nanoparticles. Chemical Engineering Journal, 2017, 322, 234-245.	12.7	82
13	Assembling Niâ€“Co phosphides/carbon hollow nanocages and nanosheets with carbon nanotubes into a hierarchical necklace-like nanohybrid for electrocatalytic oxygen evolution reaction. Nanoscale, 2018, 10, 13555-13564.	5.6	81
14	Significant Promotion of Surface Oxygen Vacancies on Bimetallic CoNi Nanocatalysts for Hydrodeoxygenation of Biomass-derived Vanillin to Produce Methylcyclohexanol. ACS Sustainable Chemistry and Engineering, 2020, 8, 6075-6089.	6.7	81
15	Dandelion-like cobalt oxide microsphere-supported RuCo bimetallic catalyst for highly efficient hydrogenolysis of 5-hydroxymethylfurfural. Applied Catalysis B: Environmental, 2018, 237, 649-659.	20.2	81
16	Promotional Role of Surface Defects on Carbonâ€Supported Rutheniumâ€Based Catalysts in the Transfer Hydrogenation of Furfural. ChemCatChem, 2016, 8, 3769-3779.	3.7	76
17	Hierarchical flower-like Coâ€“Cu mixed metal oxide microspheres as highly efficient catalysts for selective oxidation of ethylbenzene. Chemical Engineering Journal, 2016, 288, 169-178.	12.7	72
18	Structure and Basicity of Mesoporous Materials from Mg/Al/In Layered Double Hydroxides Prepared by Separate Nucleation and Aging Steps Method. Journal of Porous Materials, 2005, 12, 55-63.	2.6	61

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19	Solvent-free oxidation of ethylbenzene over hierarchical flower-like coreâ€“shell structured Co-based mixed metal oxides with significantly enhanced catalytic performance. Catalysis Science and Technology, 2015, 5, 540-548.	4.1	59
20	Photocatalytic Activity of Highly Porous Zinc Ferrite Prepared from a Zinc-Iron(III)-Sulfate Layered Double Hydroxide Precursor. Journal of Porous Materials, 2004, 11, 97-105.	2.6	57
21	A mild solution chemistry method to synthesize hydrotalcite-supported platinum nanocrystals for selective hydrogenation of cinnamaldehyde in neat water. Catalysis Science and Technology, 2013, 3, 2819.	4.1	57
22	Efficient conversion of furfural into cyclopentanone over high performing and stable Cu/ZrO2 catalysts. Applied Catalysis A: General, 2018, 561, 117-126.	4.3	54
23	Lewis-base-promoted copper-based catalyst for highly efficient hydrogenation of dimethyl 1,4-cyclohexane dicarboxylate. Green Chemistry, 2013, 15, 2389.	9.0	52
24	Liquid-Phase Hydrogenation of Cinnamaldehyde: Enhancing Selectivity of Supported Gold Catalysts by Incorporation of Cerium into the Support. Industrial & Engineering Chemistry Research, 2013, 52, 288-296.	3.7	47
25	Unveiling the roles of Fe-Co interactions over ternary spinel-type ZnCoxFe2-xO4 catalysts for highly efficient CO2 hydrogenation to produce light olefins. Journal of Catalysis, 2021, 400, 355-366.	6.2	45
26	Fabrication of Porous ZrO₂ Nanostructures with Controlled Crystalline Phases and Structures via a Facile and Cost-Effective Hydrothermal Approach. Industrial & Engineering Chemistry Research, 2015, 54, 12795-12804.	3.7	44
27	Highly efficient synchronized production of phenol and 2,5-dimethylfuran through a bimetallic Niâ€“Cu catalyzed dehydrogenationâ€“hydrogenation coupling process without any external hydrogen and oxygen supply. Green Chemistry, 2017, 19, 4353-4363.	9.0	43
28	Visualization of materials using the confocal laser scanning microscopy technique. Chemical Society Reviews, 2020, 49, 2408-2425.	38.1	43
29	Hierarchical Flower-like Bimetallic NiCu catalysts for Catalytic Transfer Hydrogenation of Ethyl Levulinate into Î³-Valerolactone. Industrial & Engineering Chemistry Research, 2019, 58, 10317-10327.	3.7	41
30	Synthesis, Characterization, and Catalytic Performance of Highly Dispersed Supported Nickel Catalysts from Niâ€“Al Layered Double Hydroxides. Industrial & Engineering Chemistry Research, 2011, 50, 13717-13726.	3.7	40
31	Oxidative Esterification of Methacrolein to Methyl Methacrylate over Gold Nanoparticles on Hydroxyapatite. ChemCatChem, 2017, 9, 1230-1241.	3.7	40
32	Aluminumâ€Doped Zirconiaâ€Supported Copper Nanocatalysts: Surface Synergistic Catalytic Effects in the Gasâ€Phase Hydrogenation of Esters. ChemCatChem, 2014, 6, 3501-3510.	3.7	39
33	Cooperative Effects between Ni-Mo Alloy Sites and Defective Structures over Hierarchical Ni-Mo Bimetallic Catalysts Enable the Enhanced Hydrodeoxygenation Activity. ACS Sustainable Chemistry and Engineering, 2021, 9, 11604-11615.	6.7	39
34	Surface Lewis acid-promoted copper-based nanocatalysts for highly efficient and chemoselective hydrogenation of citral to unsaturated allylic alcohols. Catalysis Science and Technology, 2016, 6, 2337-2348.	4.1	36
35	Dispersive non-noble metal phosphide embedded in alumina arrays derived from layered double hydroxide precursor toward efficient oxygen evolution reaction and biomass upgrading. Journal of Materials Chemistry A, 2019, 7, 13695-13704.	10.3	36
36	Structure-tunable pompon-like RuCo catalysts: Insight into the roles of atomically dispersed Ru-Co sites and crystallographic structures for guaiacol hydrodeoxygenation. Journal of Catalysis, 2021, 398, 76-88.	6.2	34

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37	Role of Surface Cooperative Effect in Copper Catalysts toward Highly Selective Synthesis of Valeric Biofuels. ACS Sustainable Chemistry and Engineering, 2017, 5, 2282-2291.	6.7	32
38	Pt Nanoparticles Supported on Nitrogenâ€Dopedâ€Carbonâ€Decorated CeO₂ for Baseâ€Free Aerobic Oxidation of 5â€Hydroxymethylfurfural. Chemistry - an Asian Journal, 2018, 13, 2714-2722.	3.3	32
39	Structure and Catalytic Property of Liâ€“Al Metal Oxides from Layered Double Hydroxide Precursors Prepared via a Facile Solution Route. Industrial & Engineering Chemistry Research, 2011, 50, 7120-7128.	3.7	31
40	Highly Efficient Vaporâ€Phase Hydrogenation of Biomassâ€Derived Levulinic Acid Over Structured Nanowallâ€Like Nickelâ€Based Catalyst. ChemCatChem, 2016, 8, 2724-2733.	3.7	30
41	Dispersing Metallic Platinum on Green Rust Enables Effective and Selective Hydrogenation of Carbonyl Group in Cinnamaldehyde. ACS Omega, 2018, 3, 12778-12787.	3.5	30
42	Carbon dot-assisted luminescence of singlet oxygen: the generation dynamics but not the cumulative amount of singlet oxygen is responsible for the photodynamic therapy efficacy. Nanoscale Horizons, 2020, 5, 978-985.	8.0	29
43	Controlling product selectivity by surface defects over MoO -decorated Ni-based nanocatalysts for Î³-valerolactone hydrogenolysis. Journal of Catalysis, 2019, 379, 100-111.	6.2	28
44	A hybrid nanocomposite precursor route to synthesize dispersion-enhanced Ni catalysts for the selective hydrogenation of o-chloronitrobenzene. Catalysis Science and Technology, 2013, 3, 982.	4.1	27
45	Tuning surface-interface structures of ZrO2 supported copper catalysts by in situ introduction of indium to promote CO2 hydrogenation to methanol. Applied Catalysis A: General, 2020, 605, 117805.	4.3	26
46	A La-doped Mgâ€“Al mixed metal oxide supported copper catalyst with enhanced catalytic performance in transfer dehydrogenation of 1-decanol. Dalton Transactions, 2016, 45, 1093-1102.	3.3	25
47	NiCu Nanoparticles for Catalytic Hydrogenation of Biomass-Derived Carbonyl Compounds. ACS Applied Nano Materials, 2020, 3, 9226-9237.	5.0	25
48	A gas-phase coupling process for simultaneous production of Î³-butyrolactone and furfuryl alcohol without external hydrogen over bifunctional base-metal heterogeneous catalysts. Green Chemistry, 2016, 18, 2317-2322.	9.0	23
49	Highly efficient transformation of Î³-valerolactone to valerate esters over structure-controlled copper/zirconia catalysts prepared via a reduction-oxidation route. Applied Catalysis A: General, 2017, 543, 180-188.	4.3	22
50	Defect-rich Niâ€“Ti layered double hydroxide as a highly efficient support for Au nanoparticles in base-free and solvent-free selective oxidation of benzyl alcohol. Dalton Transactions, 2018, 47, 5226-5235.	3.3	22
51	Nickel-nitrogen-modified porous carbon/carbon nanotube hybrid with necklace-like geometry: An efficient and durable electrocatalyst for selective reduction of CO2 to CO in a wide negative potential region. Electrochimica Acta, 2020, 334, 135583.	5.2	21
52	Surface Defect-Induced Site-Specific Dispersion of Pd Nanoclusters on TiO₂ Nanoparticles for Semihydrogenation of Phenyl Acetylene. ACS Applied Nano Materials, 2021, 4, 4688-4698.	5.0	21
53	Highly Efficient Hybrid Cobaltâ€“Copperâ€“Aluminum Layered Double Hydroxide/Graphene Nanocomposites as Catalysts for the Oxidation of Alkylaromatics. ChemCatChem, 2016, 8, 363-371.	3.7	19
54	Highly efficient catalytic transfer hydrogenation of furfural over defect-rich amphoteric ZrO₂ with abundant surface acidâ€“base sites. Dalton Transactions, 2021, 50, 2616-2626.	3.3	19

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55	A hybrid composite of hydroxyapatite and Caâ€“Al layered double hydroxide supported Au nanoparticles for highly efficient base-free aerobic oxidation of glucose. Dalton Transactions, 2019, 48, 9161-9172.	3.3	18
56	Robust structured Cu-based film catalysts with greatly enhanced catalytic hydrogenation property. Applied Surface Science, 2020, 504, 144364.	6.1	17
57	Nitrogen-Doped Carbon Quantum Dots-Decorated Mg-Al Layered Double Hydroxide-Supported Gold Nanocatalysts for Efficient Base-Free Oxidation of Benzyl Alcohol. Industrial & Engineering Chemistry Research, 2020, 59, 636-646.	3.7	16
58	Simultaneous Enhancements of Ultraviolet-Shielding Properties and Thermal Stability/Photostability of Poly(vinyl chloride) via Incorporation of Defect-Rich CeO₂ Nanoparticles. Industrial & Engineering Chemistry Research, 2020, 59, 9959-9968.	3.7	16
59	Efficient Transfer Hydrogenolysis of 5-Hydromethylfurfural to 2,5-Dimethylfuran over CoFe Bimetallic Catalysts Using Formic Acid as a Sustainable Hydrogen Donor. Industrial & Engineering Chemistry Research, 2021, 60, 5826-5837.	3.7	16
60	MoO_x-Decorated ZrO₂ Nanostructures Supporting Ru Nanoclusters for Selective Hydrodeoxygenation of Anisole to Benzene. ACS Applied Nano Materials, 2021, 4, 12588-12599.	5.0	16
61	A robust coreâ€“shell nanostructured nickelâ€“iron alloy@nitrogen-containing carbon catalyst for the highly efficient hydrogenation of nitroarenes. Dalton Transactions, 2018, 47, 13668-13679.	3.3	15
62	A hierarchical flower-like hollow alumina supported bimetallic AuPd nanoparticle catalyst for enhanced solvent-free ethylbenzene oxidation. Dalton Transactions, 2018, 47, 7776-7786.	3.3	15
63	Exceptional low-temperature activity of a perovskite-type AlCeO₃ solid solution-supported Ni-based nanocatalyst towards CO₂ methanation. Catalysis Science and Technology, 2021, 11, 3894-3904.	4.1	15
64	Fabrication of Zrâ€“Ce Oxide Solid Solution Surrounded Cu-Based Catalyst Assisted by a Microliquid Film Reactor for Efficient CO₂ Hydrogenation to Produce Methanol. Industrial & Engineering Chemistry Research, 2021, 60, 16188-16200.	3.7	15
65	Synthesis of <scp><scp>Ni</scp></scp>²⁺â€doped <scp><scp>ZnAl</scp></scp>₂<scp><scp>O</scp></scp>₄/<scp><scp>ZnO</scp></scp> Composite Phosphor Film with Largely Enhanced Polychromatic Emission via a Singleâ€Source Precursor. Journal of the American Ceramic Society, 2014, 97, 1123-1130.	3.8	14
66	Robust MOF-derived carbon-supported bimetallic Niâ€“Co catalysts for aqueous phase hydrodeoxygenation of vanillin. Dalton Transactions, 2022, 51, 2238-2249.	3.3	14
67	Highly dispersed palladium nanoparticles generated in situ on layered double hydroxide nanowalls for ultrasensitive electrochemical detection of hydrazine. Analytical Methods, 2017, 9, 6629-6635.	2.7	12
68	The promotional effect of surface Ru decoration on the catalytic performance of Co-based nanocatalysts for guaiacol hydrodeoxygenation. Molecular Catalysis, 2020, 497, 111224.	2.0	12
69	In Situ Growth Route To Fabricate Ternary Coâ€“Niâ€“Al Mixed-Metal Oxide Film as a Promising Structured Catalyst for the Oxidation of Benzyl Alcohol. Industrial & Engineering Chemistry Research, 2017, 56, 4237-4244.	3.7	10
70	Efficient Role of Nanosheet-Like Pr₂O₃ Induced Surface-Interface Synergistic Structures over Cu-Based Catalysts for Enhanced Methanol Production from CO₂ Hydrogenation. ACS Applied Materials & Interfaces, 2022, 14, 2768-2781.	8.0	9
71	Supported Ru nanocatalyst over phosphotungstate intercalated Zn-Al layered double hydroxide derived mixed metal oxides for efficient hydrodeoxygenation of guaiacol. Molecular Catalysis, 2022, 528, 112503.	2.0	9
72	Ordered macroporous Co3O4-supported Ru nanoparticles: A robust catalyst for efficient hydrodeoxygenation of anisole. Catalysis Communications, 2021, 153, 106302.	3.3	8

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73	Enhanced base-catalyzed activity and structural stability of nitrogen-doped carbon modified MgOâ€“MgFe2O4 magnetic composites as catalysts for transesterification of tributyrin. Dalton Transactions, 2017, 46, 6324-6332.	3.3	6
74	Regulating Surfaceâ€Interface Structures of Znâ€Incorporated LiAlâ€LDH Supported Ru Catalysts for Efficient Benzene Hydrogenation to Produce Cyclohexene. ChemCatChem, 2022, 14, .	3.7	6
75	Greatly Enhanced Stability of Supported Copper Nanocatalyst with a Thin Nitrogenâ€Doped Carbon Overlayer for Transfer Dehydrogenation. ChemNanoMat, 2016, 2, 888-896.	2.8	5
76	Structureâ€Dependent Baseâ€Free Aerobic Oxidation of Benzyl Alcohol over Highâ€Surfaceâ€Area Mgâ€Doped ZnAl₂O₄ Spinel Supported Gold Nanoparticles. ChemPlusChem, 2017, 82, 270-279.	2.8	5
77	Fabrication of Al2O3-ZrO2 composite catalysts with tunable acid-base properties for highly efficient aldol condensation of furfural with acetone. Catalysis Communications, 2022, 166, 106451.	3.3	5
78	Hydrogenation of furfural to furfuryl alcohol over MOF-derived Fe/Cu@C and Fe₃O₄/Cu@C catalysts. Reaction Chemistry and Engineering, 2022, 7, 994-1004.	3.7	2