Mingsheng Luo

List of Publications by Year
in descending order

52 papers	1,224 citations	361413 20 h-index	377865 34 g-index
53 all docs	53 docs citations	53 times ranked	1240 citing authors

#	Article	IF	Citations
1	Synthesis of phosphate-bridged g-C3N4/LaFeO3 nanosheets Z-scheme nanocomposites as efficient visible photocatalysts for CO2 reduction and malachite green degradation. Applied Catalysis A: General, 2022, 629, 118418.	4.3	35
2	Green synthesis of SrO bridged LaFeO3/g-C3N4 nanocomposites for CO2 conversion and bisphenol A degradation with new insights into mechanism. Environmental Research, 2022, 207, 112650.	7.5	34
3	Molecular Simulation and Experimental Study on Low-Viscosity Ionic Liquids for High-Efficient Capturing of CO₂. Energy & Fuels, 2022, 36, 1604-1613.	5.1	7
4	MOF-Derived Porous Carbon-Supported Bimetallic Fischerâ€“Tropsch Synthesis Catalysts. Industrial & Engineering Chemistry Research, 2022, 61, 3941-3951.	3.7	7
5	Novel Feâ€modified CeO₂ Nanorod Catalyst for the Dimethyl Carbonate Formation from CO₂ and Methanol. ChemCatChem, 2022, 14, .	3.7	14
6	Enhancing Ethanol Electrooxidation Stability over PtIr/GN Catalysts by In Situ Formation of IrO₂ at Adjacent Sites. Journal of the Electrochemical Society, 2022, 169, 054509.	2.9	2
7	Î²-Mo2C/Î³-Al2O3 catalyst for one step CO hydrogenation to produce alcohols. Catalysis Today, 2022, 402, 328-334.	4.4	5
8	Insights into the stable and fast lithium storage performance of oxygen-deficient LiV3O8 nanosheets. Nano Research, 2021, 14, 814-822.	10.4	13
9	Low-Temperature Selective Catalytic Reduction of NO with NH3 Over Mnâ€“Ti Oxide Catalyst: Effect of the Synthesis Conditions. Catalysis Letters, 2021, 151, 966-979.	2.6	11
10	Cobalt Nanoparticle-Decorated LDH/ZIF-Derived Porous Nanoplatelets for Fischerâ€“Tropsch Synthesis. ACS Applied Nano Materials, 2021, 4, 3734-3741.	5.0	5
11	Fischerâ€“Tropsch Synthesis: Study of Different Carbon Materials as Cobalt Catalyst Support. Reactions, 2021, 2, 43-61.	2.1	5
12	Ultra-Thin Mesoporous LiV₃O₈ Nanosheet with Exceptionally Large Specific Area for Fast and Reversible Li Storage in Lithium-Ion Battery Cathode. Journal of the Electrochemical Society, 2021, 168, 050515.	2.9	7
13	Effect of Na, Cu and Ru on metal-organic framework-derived porous carbon supported iron catalyst for Fischer-Tropsch synthesis. Molecular Catalysis, 2021, 509, 111601.	2.0	4
14	<scp>Eriobotrya japonica</scp> assisted green synthesis of <scp>gâ€C₃N₄</scp> nanocomposites and its exceptional photoactivities for doxycycline and rhodamine B degradation with mechanism insight. Journal of the Chinese Chemical Society, 2021, 68, 2093-2102.	1.4	11
15	Deuterium enrichments in hydrocarbons produced during ruthenium catalyzed Fischer-Tropsch synthesis. Catalysis Today, 2021, , .	4.4	1
16	Enhanced visible-light photoactivities of porous LaFeO₃ by synchronously doping Ni²⁺ and coupling TS-1 for CO₂ reduction and 2,4,6-trinitrophenol degradation. Catalysis Science and Technology, 2021, 11, 6793-6803.	4.1	30
17	K-modified Sn-containing dendritic mesoporous silica nanoparticles with tunable size and SnOx-silica interaction for the dehydrogenation of propane to propylene. Chemical Engineering Journal, 2020, 380, 122423.	12.7	36
18	Experimental and simulation study of CO2 and H2S solubility in propylene carbonate, imidazolium-based ionic liquids and their mixtures. Journal of Chemical Thermodynamics, 2020, 142, 106017.	2.0	25

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19	Fischerâ€“Tropsch Synthesis: ZIF-8@ZIF-67-Derived Cobalt Nanoparticle-Embedded Nanocage Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 12352-12359.	3.7	28
20	Carbon-Carbon bond formation during Fe catalyzed Fischer-Tropsch synthesis. Applied Catalysis A: General, 2020, 602, 117607.	4.3	3
21	In situ XRD and Raman Investigation of the Activation Process over Kâ€“Cuâ€“Fe/SiO2 Catalyst for Fischerâ€“Tropsch Synthesis Reaction. Catalysis Letters, 2020, 150, 2437-2445.	2.6	10
22	Effect of Iron Precursor on Catalytic Performance of Precipitated Iron Catalyst for Fischerâ€“Tropsch Synthesis Reaction. Catalysis Letters, 2020, 150, 2640-2647.	2.6	6
23	Effects of Al, Si, Ti, Zr Promoters on Catalytic Performance of Iron-Based Fischerâ€“Tropsch Synthesis Catalysts. Catalysis Letters, 2020, 150, 1993-2002.	2.6	8
24	Fischer-Tropsch synthesis: Effect of nitric acid pretreatment on graphene-supported cobalt catalyst. Applied Catalysis A: General, 2020, 599, 117608.	4.3	14
25	Integral Function to Optimize Mass Exchange Network Synthesis Model. Journal of Chemical Engineering of Japan, 2020, 53, 254-266.	0.6	4
26	Relationship between Acidity, Defective Sites, and Diffusion Properties of Nanosheet ZSM-5 and Its Catalytic Performance in the Methanol to Propylene Reaction. Industrial & Engineering Chemistry Research, 2019, 58, 12506-12515.	3.7	22
27	Vanadium-containing dendritic mesoporous silica nanoparticles: Multifunctional catalysts for the oxidative and non-oxidative dehydrogenation of propane to propylene. Microporous and Mesoporous Materials, 2019, 282, 133-145.	4.4	37
28	Effect of Potassium on the Structure, Physic-Chemical and Catalytic Properties of Vanadium-Incorporated Mesoporous Catalysts for the Oxidative Dehydrogenation of Propane. Catalysis Letters, 2019, 149, 1345-1358.	2.6	7
29	A Newly Designed Core-Shell-Like Zeolite Capsule Catalyst for Synthesis of Light Olefins from Syngas via Fischerâ€“Tropsch Synthesis Reaction. Catalysis Letters, 2019, 149, 441-448.	2.6	15
30	Co-Al nanosheets derived from LDHs and their catalytic performance for syngas conversion. Journal of Colloid and Interface Science, 2019, 538, 440-448.	9.4	19
31	The effect of different solvents on graphene supported cobalt Fischer-Tropsch catalyst. Reaction Kinetics, Mechanisms and Catalysis, 2018, 124, 279-291.	1.7	12
32	Characterization of the Lower Silurian Longmaxi marine shale in Changning area in the south Sichuan Basin, China. Geological Journal, 2018, 53, 1656-1664.	1.3	9
33	Selection of highly active and stable Co supported SiC catalyst for Fischer-Tropsch synthesis: Effect of the preparation method. Fuel, 2018, 229, 144-150.	6.4	20
34	High Rate and Stable Li-Ion Insertion in Oxygen-Deficient LiV₃O₈ Nanosheets as a Cathode Material for Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2017, 9, 2875-2882.	8.0	64
35	Insights into the endurance promotion of PtSn/CNT catalysts by thermal annealing for ethanol electro-oxidation. Electrochimica Acta, 2016, 213, 578-586.	5.2	26
36	The effect of SiO2 particle size on iron based Fâ€“T synthesis catalysts. Chinese Journal of Chemical Engineering, 2016, 24, 937-943.	3.5	7

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37	Fischerâ€“Tropsch Synthesis: Branched Paraffin Distribution for Potassium Promoted Iron Catalysts. Catalysis Letters, 2014, 144, 1031-1041.	2.6	8
38	Fischerâ€“Tropsch Synthesis: Effect of Start-Up Solvent in a Slurry Reactor. Catalysis Letters, 2013, 143, 395-400.	2.6	14
39	Hexadecane Hydrotreating as a Surrogate for Fischer-Tropsch Wax Upgrading to Aviation Fuel Using a Co/MoO₃/Silica-Alumina Catalyst. ACS Symposium Series, 2011, , 279-287.	0.5	1
40	Fischerâ€“Tropsch Synthesis: Effect of Water Over Iron-Based Catalysts. Catalysis Letters, 2010, 140, 98-105.	2.6	44
41	Fischerâ€“Tropsch synthesis: Attempt to tune FTS and WGS by alkali promoting of iron catalysts. Applied Catalysis A: General, 2010, 389, 131-139.	4.3	32
42	Fischer-Tropsch Synthesis. Catalysis Today, 2009, 140, 127-134.	4.4	74
43	Downlink Performance and Capacity of Distributed Antenna System in Multi-User Scenario. , 2009, , .		9
44	Fischerâ˜Tropsch Synthesis:â€‰ Assessment of the Ripening of Cobalt Clusters and Mixing between Co and Ru Promoter via Oxidationâ˜Reduction-Cycles over Lower Co-Loaded Ruâ˜Co/Al₂O₃ Catalysts. Industrial & Engineering Chemistry Research, 2008, 47, 672-680.	3.7	41
45	Fischer-Tropsch Synthesis: Influence of Support on the Impact of Co-Fed Water for Cobalt-Based Catalysts. Studies in Surface Science and Catalysis, 2007, , 217-253.	1.5	24
46	A Fast Carrier Synchronization Algorithm for Burst-Mode MPSK. , 2007, , .		4
47	Effect of Palladium on Iron Fischer?Tropsch Synthesis Catalysts. Catalysis Letters, 2004, 98, 17-22.	2.6	27
48	Fischerâ€“Tropsch synthesis: effect of water on Co/Al2O3 catalysts and XAFS characterization of reoxidation phenomena. Applied Catalysis A: General, 2004, 270, 65-76.	4.3	138
49	Fischerâ€“Tropsch synthesis: activation of low-alpha potassium promoted iron catalysts. Fuel Processing Technology, 2003, 83, 49-65.	7.2	32
50	Fischerâ€“Tropsch synthesis: induction and steady-state activity of high-alpha potassium promoted iron catalysts. Applied Catalysis A: General, 2003, 239, 111-120.	4.3	59
51	Fischerâ˜Tropsch synthesis: activity and selectivity for Group I alkali promoted iron-based catalysts. Applied Catalysis A: General, 2002, 236, 77-89.	4.3	149
52	Deactivation and Regeneration of Alkali Metal Promoted Iron Fischer-Tropsch Synthesis Catalysts. Studies in Surface Science and Catalysis, 2001, , 133-140.	1.5	5