

# Jixing Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,292  
citations

471509

17  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy-stabilized single-atom Pd catalysts via high-entropy fluorite oxide supports. <i>Nature Communications</i> , 2020, 11, 3908.	12.8	172
2	Deep Understanding of Strong Metal Interface Confinement: A Journey of Pd/FeO <sub>x</sub> Catalysts. <i>ACS Catalysis</i> , 2020, 10, 8950-8959.	11.2	113
3	Room-Temperature Synthesis of High-Entropy Perovskite Oxide Nanoparticle Catalysts through Ultrasonication-Based Method. <i>ChemSusChem</i> , 2020, 13, 111-115.	6.8	104
4	Design of MoFe/Beta@CeO <sub>2</sub> catalysts with a core-shell structure and their catalytic performances for the selective catalytic reduction of NO with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , 2017, 203, 704-714.	20.2	93
5	Structure, synthesis, and catalytic properties of nanosize cerium-zirconium-based solid solutions in environmental catalysis. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1438-1487.	14.0	93
6	Enhanced Oxygen Activation Achieved by Robust Single Chromium Atom-Derived Catalysts in Aerobic Oxidative Desulfurization. <i>ACS Catalysis</i> , 2022, 12, 8623-8631.	11.2	78
7	Ionic Liquid-Directed Nanoporous TiNb <sub>2</sub> O <sub>7</sub> Anodes with Superior Performance for Fast-Rechargeable Lithium-Ion Batteries. <i>Small</i> , 2020, 16, e2001884.	10.0	69
8	Insight into the Potassium Poisoning Effect for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> over Fe/Beta. <i>ACS Catalysis</i> , 2021, 11, 14727-14739.	11.2	69
9	Mechanochemical Nonhydrolytic Sol-Gel-Strategy for the Production of Mesoporous Multimetallic Oxides. <i>Chemistry of Materials</i> , 2019, 31, 5529-5536.	6.7	65
10	High-performance adsorptive desulfurization by ternary hybrid boron carbon nitride aerogel. <i>AIChE Journal</i> , 2021, 67, e17280.	3.6	58
11	Fe@Beta@CeO <sub>2</sub> core-shell catalyst with tunable shell thickness for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>AIChE Journal</i> , 2017, 63, 4430-4441.	3.6	51
12	Fe/Beta@SBA-15 core-shell catalyst: Interface stable effect and propene poisoning resistance for no abatement. <i>AIChE Journal</i> , 2018, 64, 3967-3978.	3.6	51
13	Design and Synthesis of Highly-Dispersed WO <sub>3</sub> Catalyst with Highly Effective NH <sub>3</sub> -SCR Activity for NO <sub>x</sub> Abatement. <i>ACS Catalysis</i> , 2019, 9, 11557-11562.	11.2	50
14	Transfer Hydrogenation of Fatty Acids on Cu/ZrO <sub>2</sub> : Demystifying the Role of Carrier Structure and Metal-Support Interface. <i>ACS Catalysis</i> , 2020, 10, 9098-9108.	11.2	50
15	Solvent-free rapid synthesis of porous CeWO <sub>x</sub> by a mechanochemical self-assembly strategy for the abatement of NO <sub>x</sub> . <i>Journal of Materials Chemistry A</i> , 2020, 8, 6717-6731.	10.3	42
16	BN/ZIF-8 derived carbon hybrid materials for adsorptive desulfurization: Insights into adsorptive property and reaction kinetics. <i>Fuel</i> , 2021, 288, 119685.	6.4	40
17	Aluminum hydroxide-mediated synthesis of mesoporous metal oxides by a mechanochemical nanocasting strategy. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22977-22985.	10.3	20
18	Low-Temperature Methane Oxidation Triggered by Peroxide Radicals over Noble-Metal-Free MgO Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21761-21771.	8.0	18

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19	Taming the Redox Property of $A_{0.5}Co_{2.5}O_4$ (A = Mg, Ca, Sr, Ba) toward High Catalytic Activity for $N_2O$ Decomposition. ACS Applied Energy Materials, 2021, 4, 8496-8505.	5.1	17
20	Heterogeneous Non-noble Catalyst for Highly Selective Production of Linear $\alpha$ -Olefins from Fatty Acids: A Discovery of NiFe/C. ChemSusChem, 2020, 13, 4922-4928.	6.8	14
21	Overcoming the phase separation within high-entropy metal carbide by poly(ionic liquid)s. Chemical Communications, 2021, 57, 3676-3679.	4.1	10
22	Polyoxometalates as bifunctional templates: engineering metal oxides with mesopores and reactive surfaces for catalysis. Journal of Materials Chemistry A, 2019, 7, 27297-27303.	10.3	9
23	Unveiling the role of high-valent copper cations in the selective catalytic reduction of $NO_x$ with $NH_3$ at low temperature. Fuel, 2022, 318, 123607.	6.4	6
24	Interface engineering of quaternary ammonium phosphotungstate for efficient oxidative desulfurization of high-sulfur petroleum coke. Petroleum Science and Technology, 2023, 41, 86-103.	1.5	0