

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
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24
all docs

24
docs citations

24
times ranked

1199
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Interface engineering of quaternary ammonium phosphotungstate for efficient oxidative desulfurization of high-sulfur petroleum coke. <i>Petroleum Science and Technology</i> , 2023, 41, 86-103. | 1.5 | 0 |
| 2 | Unveiling the role of high-valent copper cations in the selective catalytic reduction of NO _x with NH ₃ at low temperature. <i>Fuel</i> , 2022, 318, 123607. | 6.4 | 6 |
| 3 | 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 |
| 4 | 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 |
| 5 | Overcoming the phase separation within high-entropy metal carbide by poly(ionic liquid)s. <i>Chemical Communications</i> , 2021, 57, 3676-3679. | 4.1 | 10 |
| 6 | High-performance adsorptive desulfurization by ternary hybrid boron carbon nitride aerogel. <i>AIChE Journal</i> , 2021, 67, e17280. | 3.6 | 58 |
| 7 | Taming the Redox Property of A _{0.5} Co _{2.5} O ₄ (A = Mg, Ca, Sr, Ba) toward High Catalytic Activity for N ₂ O Decomposition. <i>ACS Applied Energy Materials</i> , 2021, 4, 8496-8505. | 5.1 | 17 |
| 8 | Insight into the Potassium Poisoning Effect for Selective Catalytic Reduction of NO _x with NH ₃ over Fe/Beta. <i>ACS Catalysis</i> , 2021, 11, 14727-14739. | 11.2 | 69 |
| 9 | Room-Temperature Synthesis of High-Entropy Perovskite Oxide Nanoparticle Catalysts through Ultrasonication-Based Method. <i>ChemSusChem</i> , 2020, 13, 111-115. | 6.8 | 104 |
| 10 | Heterogeneous Non-noble Catalyst for Highly Selective Production of Linear α -Olefins from Fatty Acids: A Discovery of NiFe/C. <i>ChemSusChem</i> , 2020, 13, 4922-4928. | 6.8 | 14 |
| 11 | Deep Understanding of Strong Metal Interface Confinement: A Journey of Pd/FeO _x Catalysts. <i>ACS Catalysis</i> , 2020, 10, 8950-8959. | 11.2 | 113 |
| 12 | Transfer Hydrogenation of Fatty Acids on Cu/ZrO ₂ : Demystifying the Role of Carrier Structure and Metal-Support Interface. <i>ACS Catalysis</i> , 2020, 10, 9098-9108. | 11.2 | 50 |
| 13 | Entropy-stabilized single-atom Pd catalysts via high-entropy fluorite oxide supports. <i>Nature Communications</i> , 2020, 11, 3908. | 12.8 | 172 |
| 14 | Ionic Liquid-Directed Nanoporous TiNb ₂ O ₇ Anodes with Superior Performance for Fast-Rechargeable Lithium-Ion Batteries. <i>Small</i> , 2020, 16, e2001884. | 10.0 | 69 |
| 15 | Solvent-free rapid synthesis of porous CeWO _x by a mechanochemical self-assembly strategy for the abatement of NO _x . <i>Journal of Materials Chemistry A</i> , 2020, 8, 6717-6731. | 10.3 | 42 |
| 16 | Low-Temperature Methane Oxidation Triggered by Peroxide Radicals over Noble-Metal-Free MgO Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21761-21771. | 8.0 | 18 |
| 17 | Mechanochemical Nonhydrolytic Sol-Gel-Strategy for the Production of Mesoporous Multimetallic Oxides. <i>Chemistry of Materials</i> , 2019, 31, 5529-5536. | 6.7 | 65 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Design and Synthesis of Highly-Dispersed WO_3 Catalyst with Highly Effective NH_3 -SCR Activity for NO_x Abatement. <i>ACS Catalysis</i> , 2019, 9, 11557-11562. | 11.2 | 50 |
| 20 | 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 |
| 21 | Polyoxometalates as bifunctional templates: engineering metal oxides with mesopores and reactive surfaces for catalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27297-27303. | 10.3 | 9 |
| 22 | 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 |
| 23 | Fe@Beta@CeO ₂ core-shell catalyst with tunable shell thickness for selective catalytic reduction of NO_x with NH_3 . <i>AICHE Journal</i> , 2017, 63, 4430-4441. | 3.6 | 51 |
| 24 | Design of MoFe/Beta@CeO ₂ catalysts with a core-shell structure and their catalytic performances for the selective catalytic reduction of NO with NH_3 . <i>Applied Catalysis B: Environmental</i> , 2017, 203, 704-714. | 20.2 | 93 |