

Shaoqing Chen

List of Publications by Year in descending order

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29
papers

1,341
citations

361413

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Anchoring High-Concentration Oxygen Vacancies at Interfaces of CeO ₂ /Cu toward Enhanced Activity for Preferential CO Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 22999-23007. | 8.0 | 173 |
| 2 | LiNbO ₃ -coated LiNi _{0.7} Co _{0.1} Mn _{0.2} O ₂ and chlorine-rich argyrodite enabling high-performance solid-state batteries under different temperatures. Energy Storage Materials, 2021, 43, 53-61. | 18.0 | 120 |
| 3 | Boosting Tunable Syngas Formation via Electrochemical CO ₂ Reduction on Cu/In ₂ O ₃ Core/Shell Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 36996-37004. | 8.0 | 106 |
| 4 | Improving the Stability of Non-Noble Metal N-C Catalysts for Proton Exchange Membrane Fuel Cells through N Bond Length and Coordination Regulation. Advanced Materials, 2021, 33, e2006613. | 21.0 | 94 |
| 5 | Facet Engineering to Regulate Surface States of Topological Crystalline Insulator Bismuth Rhombic Dodecahedrons for Highly Energy Efficient Electrochemical CO ₂ Reduction. Advanced Materials, 2021, 33, e2008373. | 21.0 | 84 |
| 6 | Single Fe atoms anchored by short-range ordered nanographene boost oxygen reduction reaction in acidic media. Nano Energy, 2019, 66, 104164. | 16.0 | 68 |
| 7 | Weakening Intermediate Bindings on CuPd/Pd Core/shell Nanoparticles to Achieve Pt-Like Bifunctional Activity for Hydrogen Evolution and Oxygen Reduction Reactions. Advanced Functional Materials, 2021, 31, 2100883. | 14.9 | 68 |
| 8 | Optimum Preferential Oxidation Performance of CeO ₂ @CuO-RGO Composites through Interfacial Regulation. ACS Applied Materials & Interfaces, 2018, 10, 7935-7945. | 8.0 | 55 |
| 9 | Amperometric sarcosine biosensor based on hollow magnetic Pt@Fe ₃ O ₄ @C nanospheres. Analytica Chimica Acta, 2019, 1078, 161-167. | 5.4 | 55 |
| 10 | Co ₃ O ₄ @CuCoO ₂ Nanomesh: An Interface-Enhanced Substrate that Simultaneously Promotes CO Adsorption and O ₂ Activation in H ₂ Purification. ACS Applied Materials & Interfaces, 2019, 11, 6042-6053. | 8.0 | 55 |
| 11 | Evidence for Ferroelectricity of All-Inorganic Perovskite CsPbBr ₃ Quantum Dots. Journal of the American Chemical Society, 2020, 142, 3316-3320. | 13.7 | 53 |
| 12 | Elemental selenium enables enhanced water oxidation electrocatalysis of NiFe layered double hydroxides. Nanoscale, 2019, 11, 17376-17383. | 5.6 | 46 |
| 13 | N-doped porous carbon spheres as metal-free electrocatalyst for oxygen reduction reaction. Journal of Materials Chemistry A, 2021, 9, 5751-5758. | 10.3 | 46 |
| 14 | Enhancing Moisture and Electrochemical Stability of the Li _{5.5} PS _{4.5} Cl _{1.5} Electrolyte by Oxygen Doping. ACS Applied Materials & Interfaces, 2022, 14, 4179-4185. | 8.0 | 44 |
| 15 | Atomically dispersed cobalt in core-shell carbon nanofiber membranes as super-flexible freestanding air-electrodes for wearable Zn-air batteries. Energy Storage Materials, 2022, 47, 365-375. | 18.0 | 35 |
| 16 | Copper single-atom catalyst as a high-performance electrocatalyst for nitrate-ammonium conversion. Journal of Hazardous Materials, 2022, 434, 128892. | 12.4 | 34 |
| 17 | Enabling ultrafast lithium-ion conductivity of Li ₂ ZrCl ₆ by indium doping. Chinese Chemical Letters, 2022, 33, 4635-4639. | 9.0 | 33 |
| 18 | Constructing Co-N-C Catalyst via a Double Crosslinking Hydrogel Strategy for Enhanced Oxygen Reduction Catalysis in Fuel Cells. Small, 2021, 17, e2100735. | 10.0 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Unraveling the crystallinity on battery performances of chlorine-rich argyrodite electrolytes. <i>Journal of Power Sources</i> , 2022, 520, 230890. | 7.8 | 24 |
| 20 | Zn doped MAPbBr ₃ single crystal with advanced structural and optical stability achieved by strain compensation. <i>Nanoscale</i> , 2020, 12, 3692-3700. | 5.6 | 22 |
| 21 | Engineering high conductive Li ₇ P ₂ S ₈ I via Cl ⁻ doping for all-solid-state Li-S batteries workable at different operating temperatures. <i>Chemical Engineering Journal</i> , 2022, 442, 136346. | 12.7 | 21 |
| 22 | Boosting Efficiency and Stability of Planar Inverted (FAPbI ₃) _x (MAPbBr ₃) _{1-x} Solar Cells via FAPbI ₃ and MAPbBr ₃ Crystal Powders. <i>Solar Rrl</i> , 2020, 4, 2000091. | 5.8 | 19 |
| 23 | Surface hydroxylation induced by alkaline-earth metal doping in NiO nanocrystals and its application in achieving a wide temperature operation window for preferential CO oxidation. <i>Environmental Science: Nano</i> , 2018, 5, 2368-2381. | 4.3 | 18 |
| 24 | Tailoring Electron-Rich Boron Sites in BCN for Nitrogen Fixation via Alternate Mechanism. <i>Advanced Materials Interfaces</i> , 2022, 9, . | 3.7 | 9 |
| 25 | Degradation induced lattice anchoring self-passivation in CsPbI ₃ _x Br _{1-x} . <i>Journal of Materials Chemistry A</i> , 2020, 8, 9963-9969. | 10.3 | 7 |
| 26 | Enhanced response of bulk heterojunction polymer photodetectors upon incorporating CsPbBr ₃ quantum dots. <i>Applied Physics Letters</i> , 2018, 113, . | 3.3 | 6 |
| 27 | Strong metal-support interaction promoted via constructing biocarbon membrane for enhanced CO preferential oxidation activity of Rh/CaCO ₃ @biocarbon. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 23034-23045. | 7.1 | 6 |
| 28 | Defect-Rich Copper-Doped Ruthenium Hollow Nanoparticles for Efficient Hydrogen Evolution Electrocatalysis in Alkaline Electrolyte. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2868-2872. | 3.3 | 6 |
| 29 | Kinetic Control of Hexagonal Mg(OH) ₂ Nanoflakes for Catalytic Application of Preferential CO Oxidation. <i>Chinese Journal of Chemistry</i> , 2017, 35, 903-910. | 4.9 | 5 |