

Chunwen Sun

List of Publications by Year in descending order

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130
papers

13,619
citations

29994

54
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20900

115
g-index

139
all docs

139
docs citations

139
times ranked

14980
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Recent advances in all-solid-state rechargeable lithium batteries. <i>Nano Energy</i> , 2017, 33, 363-386. | 8.2 | 1,311 |
| 2 | Cathode materials for solid oxide fuel cells: a review. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1125-1144. | 1.2 | 1,017 |
| 3 | Nanostructured ceria-based materials: synthesis, properties, and applications. <i>Energy and Environmental Science</i> , 2012, 5, 8475. | 15.6 | 984 |
| 4 | Monodisperse Porous LiFePO_4 Microspheres for a High Power Li-Ion Battery Cathode. <i>Journal of the American Chemical Society</i> , 2011, 133, 2132-2135. | 6.6 | 628 |
| 5 | Recent anode advances in solid oxide fuel cells. <i>Journal of Power Sources</i> , 2007, 171, 247-260. | 4.0 | 518 |
| 6 | A durable and safe solid-state lithium battery with a hybrid electrolyte membrane. <i>Nano Energy</i> , 2018, 45, 413-419. | 8.2 | 475 |
| 7 | Graphene/polyaniline nanorod arrays: synthesis and excellent electromagnetic absorption properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 21679. | 6.7 | 455 |
| 8 | Single-Atom Fe-N-C as an Efficient Electrocatalyst for Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1808872. | 7.8 | 373 |
| 9 | 3D N-doped ordered mesoporous carbon supported single-atom Fe-N-C catalysts with superior performance for oxygen reduction reaction and zinc-air battery. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119411. | 10.8 | 324 |
| 10 | Controlled synthesis of CeO_2 nanorods by a solvothermal method. <i>Nanotechnology</i> , 2005, 16, 1454-1463. | 1.3 | 315 |
| 11 | Recent Advances in Perovskite-Type Oxides for Energy Conversion and Storage Applications. <i>Advanced Energy Materials</i> , 2021, 11, 2000459. | 10.2 | 285 |
| 12 | Wearable Power-Textiles by Integrating Fabric Triboelectric Nanogenerators and Fiber-Shaped Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1601048. | 10.2 | 266 |
| 13 | Mesoscale Organization of Nearly Monodisperse Flowerlike Ceria Microspheres. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13445-13452. | 1.2 | 244 |
| 14 | A High-Performance and Durable Poly(ethylene oxide)-Based Composite Solid Electrolyte for All Solid-State Lithium Battery. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9852-9858. | 1.5 | 199 |
| 15 | A Highly Efficient and Self-Stabilizing Metallic-Glass Catalyst for Electrochemical Hydrogen Generation. <i>Advanced Materials</i> , 2016, 28, 10293-10297. | 11.1 | 195 |
| 16 | Graphene- Co_3O_4 nanocomposite as an efficient bifunctional catalyst for lithium-air batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7188-7196. | 5.2 | 192 |
| 17 | Progress in corrosion resistant materials for supercritical water reactors. <i>Corrosion Science</i> , 2009, 51, 2508-2523. | 3.0 | 186 |
| 18 | A High-Performance Monolithic Solid-State Sodium Battery with Ca^{2+} Doped $\text{Na}_3\text{Zr}_2\text{Si}_2\text{PO}_{12}$ Electrolyte. <i>Advanced Energy Materials</i> , 2019, 9, 1901205. | 10.2 | 174 |

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|----|--|-----|-----------|
| 19 | Green Synthesis of Three-Dimensional MnO ₂ /Graphene Hydrogel Composites as a High-Performance Electrode Material for Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 16474-16481. | 4.0 | 147 |
| 20 | Nanopillar Arrayed Triboelectric Nanogenerator as a Self-Powered Sensitive Sensor for a Sleep Monitoring System. ACS Nano, 2016, 10, 8097-8103. | 7.3 | 145 |
| 21 | Three-Dimensional Hierarchical Architectures Constructed by Graphene/MoS ₂ Nanoflake Arrays and Their Rapid Charging/Discharging Properties as Lithium-Ion Battery Anodes. Chemistry - A European Journal, 2013, 19, 5818-5823. | 1.7 | 141 |
| 22 | Efficient Storing Energy Harvested by Triboelectric Nanogenerators Using a Safe and Durable All-Solid-State Sodium-Ion Battery. Advanced Science, 2017, 4, 1700072. | 5.6 | 140 |
| 23 | Perovskite Sr _{0.95} Ce _{0.05} CoO ₃ loaded with copper nanoparticles as a bifunctional catalyst for lithium-air batteries. Journal of Materials Chemistry, 2012, 22, 18902. | 6.7 | 131 |
| 24 | High Entropy Intermetallic Oxide Core-Shell Nanostructure as Superb Oxygen Evolution Reaction Catalyst. Advanced Sustainable Systems, 2020, 4, 1900105. | 2.7 | 129 |
| 25 | Hydrothermal Synthesis and Electrochemical Properties of Li ₃ V ₂ (PO ₄) ₃ /C-Based Composites for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2011, 3, 3772-3776. | 4.0 | 128 |
| 26 | Inverse Spinel Cobalt-Iron Oxide and N-Doped Graphene Composite as an Efficient and Durable Bifunctional Catalyst for Li-O ₂ Batteries. ACS Catalysis, 2018, 8, 4082-4090. | 5.5 | 122 |
| 27 | Investigations of mesoporous CeO ₂ -Ru as a reforming catalyst layer for solid oxide fuel cells. Electrochemistry Communications, 2006, 8, 833-838. | 2.3 | 118 |
| 28 | Synthesis and Characterization of Polycrystalline CeO ₂ Nanowires. Chemistry Letters, 2004, 33, 662-663. | 0.7 | 116 |
| 29 | Fe ²⁺ -Doped Layered Double (Ni, Fe) Hydroxides as Efficient Electrocatalysts for Water Splitting and Self-Powered Electrochemical Systems. Small, 2019, 15, e1902551. | 5.2 | 114 |
| 30 | Facile synthesis of monodisperse porous Co ₃ O ₄ microspheres with superior ethanol sensing properties. Chemical Communications, 2011, 47, 12852. | 2.2 | 109 |
| 31 | Flowerlike Co ₃ O ₄ microspheres loaded with copper nanoparticle as an efficient bifunctional catalyst for lithium-air batteries. Electrochemistry Communications, 2013, 28, 13-16. | 2.3 | 109 |
| 32 | Triboelectric nanogenerators powered electrodepositing tri-functional electrocatalysts for water splitting and rechargeable zinc-air battery: A case of Pt nanoclusters on NiFe-LDH nanosheets. Nano Energy, 2020, 72, 104669. | 8.2 | 108 |
| 33 | Mg Doped Perovskite LaNiO ₃ Nanofibers as an Efficient Bifunctional Catalyst for Rechargeable Zinc-Air Batteries. ACS Applied Energy Materials, 2019, 2, 923-931. | 2.5 | 103 |
| 34 | Study of flowerlike CeO ₂ microspheres used as catalyst supports for CO oxidation reaction. Journal of Physics and Chemistry of Solids, 2007, 68, 1785-1790. | 1.9 | 102 |
| 35 | Porous Perovskite La _{0.6} Sr _{0.4} Co _{0.8} Mn _{0.2} O ₃ Nanofibers Loaded with RuO ₂ Nanosheets as an Efficient and Durable Bifunctional Catalyst for Rechargeable Li-O ₂ Batteries. ACS Catalysis, 2017, 7, 7737-7747. | 5.5 | 102 |
| 36 | P2-Type Na _{0.67} Ni _{0.23} Mg _{0.1} Mn _{0.67} O ₂ as a High-Performance Cathode for a Sodium-Ion Battery. Inorganic Chemistry, 2016, 55, 9033-9037. | 1.9 | 98 |

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|----|--|-----|-----------|
| 37 | Triboelectric nanogenerator as a highly sensitive self-powered sensor for driver behavior monitoring. <i>Nano Energy</i> , 2018, 51, 721-727. | 8.2 | 97 |
| 38 | Oxygen Deficient $\text{LaMn}_{0.75}\text{Co}_{0.25}\text{O}_{3-\lambda}$ Nanofibers as an Efficient Electrocatalyst for Oxygen Evolution Reaction and Zinc-Air Batteries. <i>Inorganic Chemistry</i> , 2019, 58, 8208-8214. | 1.9 | 89 |
| 39 | A highly active, stable and synergistic Pt nanoparticles/Mo ₂ C nanotube catalyst for methanol electro-oxidation. <i>NPG Asia Materials</i> , 2015, 7, e153-e153. | 3.8 | 88 |
| 40 | Perovskite $\text{Sr}_{1-x}\text{Ce}_x\text{CoO}_{3-\lambda}$ (0.05 $\leq x \leq$ 0.15) as Superior Cathodes for Intermediate Temperature Solid Oxide Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1143-1148. | 4.0 | 87 |
| 41 | Effects of Fluorine Doping on Structural and Electrochemical Properties of $\text{Li}_{6.25}\text{Ga}_{0.25}\text{La}_3\text{Zr}_2\text{O}_{12}$ as Electrolytes for Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2042-2049. | 4.0 | 85 |
| 42 | Graphene/porous cobalt nanocomposite and its noticeable electrochemical hydrogen storage ability at room temperature. <i>Journal of Materials Chemistry</i> , 2012, 22, 5924. | 6.7 | 79 |
| 43 | Structural and electrochemical properties of $\text{LiMn}_{0.6}\text{Fe}_{0.4}\text{PO}_4$ as a cathode material for flexible lithium-ion batteries and self-charging power pack. <i>Nano Energy</i> , 2018, 52, 510-516. | 8.2 | 78 |
| 44 | A Safe High-Performance All-Solid-State Lithium-Vanadium Battery with a Freestanding V_2O_5 Nanowire Composite Paper Cathode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34309-34316. | 4.0 | 77 |
| 45 | Flexible Quasi-Solid-State Composite Electrolyte Membrane Derived from a Metal-Organic Framework for Lithium-Metal Batteries. <i>ChemElectroChem</i> , 2020, 7, 707-715. | 1.7 | 74 |
| 46 | In situ Raman spectroscopy of LiFePO_4 : size and morphology dependence during charge and self-discharge. <i>Nanotechnology</i> , 2013, 24, 424009. | 1.3 | 69 |
| 47 | One dimensional $\text{La}_{0.8}\text{Sr}_{0.2}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\lambda}/\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}$ nanocomposite cathodes for intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2012, 219, 133-139. | 4.0 | 68 |
| 48 | A flexible lithium-ion battery with quasi-solid gel electrolyte for storing pulsed energy generated by triboelectric nanogenerator. <i>Energy Storage Materials</i> , 2018, 12, 17-22. | 9.5 | 67 |
| 49 | Nitrogen-Doped NiCo_2O_4 Microsphere as an Efficient Catalyst for Flexible Rechargeable Zinc-Air Batteries and Self-Charging Power System. <i>ACS Applied Energy Materials</i> , 2019, 2, 2296-2304. | 2.5 | 66 |
| 50 | Stretchable, transparent triboelectric nanogenerator as a highly sensitive self-powered sensor for driver fatigue and distraction monitoring. <i>Nano Energy</i> , 2020, 78, 105359. | 8.2 | 66 |
| 51 | Recent Progress on the Key Materials and Components for Proton Exchange Membrane Fuel Cells in Vehicle Applications. <i>Energies</i> , 2016, 9, 603. | 1.6 | 64 |
| 52 | Electrospinning $\text{La}_{0.8}\text{Sr}_{0.2}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\lambda}$ tubes impregnated with $\text{Ce}_{0.8}\text{Gd}_{0.2}\text{O}_{1.9}$ nanoparticles for an intermediate temperature solid oxide fuel cell cathode. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6821-6829. | 3.8 | 63 |
| 53 | FeCo Nanoparticles Encapsulated in N-Doped Carbon Nanotubes Coupled with Layered Double (Co, Fe) Hydroxide as an Efficient Bifunctional Catalyst for Rechargeable Zinc-Air Batteries. <i>Small</i> , 2021, 17, e2103737. | 5.2 | 62 |
| 54 | Growth of Hollow Transition Metal (Fe, Co, Ni) Oxide Nanoparticles on Graphene Sheets through Kirkendall Effect as Anodes for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016, 22, 1638-1645. | 1.7 | 55 |

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|----|--|-----|-----------|
| 55 | A flexible three-dimensional composite nanofiber enhanced quasi-solid electrolyte for high-performance lithium metal batteries. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 361-367. | 3.0 | 55 |
| 56 | A quasi-solid composite electrolyte with dual salts for dendrite-free lithium metal batteries. <i>New Journal of Chemistry</i> , 2020, 44, 1817-1824. | 1.4 | 54 |
| 57 | Functional Applications of Metallic Glasses in Electrocatalysis. <i>ChemCatChem</i> , 2019, 11, 2401-2414. | 1.8 | 51 |
| 58 | Experimental visualization of the diffusion pathway of sodium ions in the Na ₃ [Ti ₂ P ₂ O ₁₀ F] anode for sodium-ion battery. <i>Scientific Reports</i> , 2014, 4, 7231. | 1.6 | 48 |
| 59 | Fluorinated Ether Based Electrolyte Enabling Sodium-Metal Batteries with Exceptional Cycling Stability. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46965-46972. | 4.0 | 48 |
| 60 | Electrochemical Lithium Intercalation in Monoclinic Nb ₁₂ O ₂₉ . <i>Chemistry of Materials</i> , 2011, 23, 2292-2294. | 3.2 | 46 |
| 61 | V ₂ O ₅ Nanowire Composite Paper as a High-Performance Lithium-Ion Battery Cathode. <i>ACS Omega</i> , 2017, 2, 793-799. | 1.6 | 46 |
| 62 | Durable Sodium Battery with a Flexible Na ₃ Zr ₂ Si ₂ PO ₁₂ -PVPDF-HFP Composite Electrolyte and Sodium/Carbon Cloth Anode. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35039-35046. | 4.0 | 46 |
| 63 | In situ diffusion growth of Fe ₂ (MoO ₄) ₃ nanocrystals on the surface of Î±-MoO ₃ nanorods with significantly enhanced ethanol sensing properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 12900. | 6.7 | 45 |
| 64 | Enhanced coking tolerance of a MgO-modified Ni cermet anode for hydrocarbon fueled solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18031-18036. | 5.2 | 45 |
| 65 | Recent Advances in Single-Atom Electrocatalysts for Oxygen Reduction Reaction. <i>Research</i> , 2020, 2020, 9512763. | 2.8 | 45 |
| 66 | Deposition, characterization and performance evaluation of ceramic coatings on metallic substrates for supercritical water-cooled reactors. <i>Surface and Coatings Technology</i> , 2011, 205, 3512-3519. | 2.2 | 42 |
| 67 | Controllable Synthesis of Shuttle-shaped Ceria and Its Catalytic Properties for CO Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3883-3887. | 1.0 | 41 |
| 68 | Enhanced activity, durability and anti-poisoning property of Pt/W ₁₈ O ₄₉ for methanol oxidation with a sub-stoichiometric tungsten oxide W ₁₈ O ₄₉ support. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20154-20163. | 5.2 | 41 |
| 69 | A High-performance Lithium Metal Battery with a Multilayer Hybrid Electrolyte. <i>Energy and Environmental Materials</i> , 2023, 6, . | 7.3 | 41 |
| 70 | Feasibility and mechanism of lithium oxide as sintering aid for Ce _{0.8} Sm _{0.2} O ₃ electrolyte. <i>Journal of Power Sources</i> , 2012, 205, 57-62. | 4.0 | 40 |
| 71 | Effects of CuO on the microstructure and electrochemical properties of garnet-type Li _{6.3} La ₃ Zr _{1.65} W _{0.35} O ₁₂ solid electrolyte. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 135, 109080. | 1.9 | 40 |
| 72 | Detection of driving actions on steering wheel using triboelectric nanogenerator via machine learning. <i>Nano Energy</i> , 2021, 79, 105455. | 8.2 | 40 |

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|----|--|----------|-----------|
| 73 | Imaging the diffusion pathway of Al ³⁺ ion in NASICON-type (Al _{0.2} Zr ₁ Ti ₁ ETQq ₁) ₁ solid-state Al batteries. Chinese Physics B, 2018, 27, 128201. | 0.784314 | 39 |
| 74 | Effects of pulse charging on the performances of lithium-ion batteries. Nano Energy, 2019, 56, 555-562. | 8.2 | 39 |
| 75 | Vanadium hexacyanoferrate with two redox active sites as cathode material for aqueous Zn-ion batteries. Journal of Power Sources, 2021, 484, 229263. | 4.0 | 39 |
| 76 | Novel Photoanode for Dye-Sensitized Solar Cells with Enhanced Light-Harvesting and Electron-Collection Efficiency. ACS Applied Materials & Interfaces, 2016, 8, 13418-13425. | 4.0 | 38 |
| 77 | Composite Lithium Protective Layer Formed In Situ for Stable Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2021, 13, 12099-12105. | 4.0 | 38 |
| 78 | An ion-conductive Li ₇ La ₃ Zr ₂ O ₁₂ -based composite membrane for dendrite-free lithium metal batteries. Journal of Power Sources, 2020, 450, 227710. | 4.0 | 33 |
| 79 | Triboelectric nanogenerator based self-powered sensor with a turnable sector structure for monitoring driving behavior. Nano Energy, 2021, 89, 106352. | 8.2 | 33 |
| 80 | Graphene@MoO ₂ hierarchical nanoarchitectures: in situ reduction synthesis and high rate cycling performance as lithium-ion battery anodes. RSC Advances, 2013, 3, 17659. | 1.7 | 32 |
| 81 | Mesoscale Organization of Flower-Like La ₂ O ₂ CO ₃ and La ₂ O ₃ Microspheres. Journal of the American Ceramic Society, 2007, 90, 2576-2581. | 1.9 | 31 |
| 82 | Chlorine-doped Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ as an electrolyte for solid lithium metal batteries. Materials Chemistry Frontiers, 2021, 5, 5336-5343. | 3.2 | 31 |
| 83 | Direct operation of methane fueled solid oxide fuel cells with Ni cermet anode via Sn modification. International Journal of Hydrogen Energy, 2016, 41, 11391-11398. | 3.8 | 29 |
| 84 | Effects of Pulse Charging by Triboelectric Nanogenerators on the Performance of Solid-State Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 28345-28350. | 4.0 | 28 |
| 85 | Ni doped La _{0.6} Sr _{0.4} FeO _{3-δ} symmetrical electrode for solid oxide fuel cells. Chinese Journal of Catalysis, 2016, 37, 1347-1353. | 6.9 | 27 |
| 86 | Multi-scale impedance model for supercapacitor porous electrodes: Theoretical prediction and experimental validation. Journal of Power Sources, 2018, 400, 69-86. | 4.0 | 27 |
| 87 | Effects of processing parameters on microstructures of TiO ₂ coatings formed on titanium by plasma electrolytic oxidation. Journal of Materials Science, 2010, 45, 6235-6241. | 1.7 | 25 |
| 88 | Flowerlike CeO ₂ microspheres coated with Sr ₂ Fe _{1.5} Mo _{0.5} O _x nanoparticles for an advanced fuel cell. Scientific Reports, 2015, 5, 11946. | 1.6 | 25 |
| 89 | Perovskite La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ Nanofibers Decorated with RuO ₂ Nanoparticles as an Efficient Bifunctional Cathode for Rechargeable Li-O ₂ Batteries. ChemNanoMat, 2017, 3, 485-490. | 1.5 | 25 |
| 90 | Manganese-Doped Hollow Layered Double (Ni, Co) Hydroxide Microcuboids as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. ChemElectroChem, 2020, 7, 3852-3858. | 1.7 | 25 |

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|-----|--|------|-----------|
| 91 | High-Performance Sodium Metal Batteries with Sodium-Bismuth Alloy Anode. ACS Applied Energy Materials, 2020, 3, 12607-12612. | 2.5 | 25 |
| 92 | Insight into the Structure and Functional Application of the Sr _{0.95} Ce _{0.05} CoO ₃ Cathode for Solid Oxide Fuel Cells. Inorganic Chemistry, 2015, 54, 3477-3484. | 1.9 | 24 |
| 93 | A Superior Oxygen Reduction Reaction Electrocatalyst Based on Reduced Graphene Oxide and Iron(II) Phthalocyanine-Supported Sub-2 nm Platinum Nanoparticles. ACS Applied Nano Materials, 2018, 1, 711-721. | 2.4 | 24 |
| 94 | H ₂ production from stable ethanol steam reforming over catalyst of NiO based on flowerlike CeO ₂ microspheres. International Journal of Hydrogen Energy, 2010, 35, 3087-3091. | 3.8 | 23 |
| 95 | Dynamic Octahedral Breathing in Oxygen-Deficient Ba _{0.9} Co _{0.7} Fe _{0.2} Nb _{0.1} O _{3-δ} Perovskite Performing as a Cathode in Intermediate-Temperature SOFC. Inorganic Chemistry, 2016, 55, 3091-3097. | 1.9 | 23 |
| 96 | Insight into the structure and functional application of Mg-doped Na _{0.5} Bi _{0.5} TiO ₃ electrolyte for solid oxide fuel cells. Journal of Alloys and Compounds, 2018, 752, 213-219. | 2.8 | 23 |
| 97 | Synthesis and characterization of NH ₄ PO ₃ based composite with superior proton conductivity for intermediate temperature fuel cells. Electrochimica Acta, 2008, 53, 6417-6422. | 2.6 | 22 |
| 98 | Ba _{1-x} Pr _x Co _{1-y} FeyO ₃ as cathode materials for low temperature solid oxide fuel cells. Electrochimica Acta, 2010, 55, 4772-4775. | 2.6 | 22 |
| 99 | Piezotronic-enhanced oxygen evolution reaction enabled by a Au/MoS ₂ nanosheet catalyst. Catalysis Science and Technology, 2020, 10, 6180-6187. | 2.1 | 22 |
| 100 | Effect of Ni doping on the catalytic properties of nanostructured peony-like CeO ₂ . Chinese Journal of Catalysis, 2013, 34, 305-312. | 6.9 | 21 |
| 101 | Li-Water Battery with Oxygen Dissolved in Water as a Cathode. Journal of the Electrochemical Society, 2014, 161, A285-A289. | 1.3 | 20 |
| 102 | Effects of F-Doping on the Electrochemical Performance of Na ₂ Ti ₃ O ₇ as an Anode for Sodium-Ion Batteries. Materials, 2018, 11, 2206. | 1.3 | 20 |
| 103 | A Monolithic Solid-State Sodium-Sulfur Battery with Al-Doped Na _{3.4} Zr ₂ (Si _{0.8} P _{0.2} O ₄) ₃ Electrolyte. ACS Applied Materials & Interfaces, 2021, 13, 42927-42934. | 4.0 | 20 |
| 104 | MoO ₃ nanorods/Fe ₂ (MoO ₄) ₃ nanoparticles composite anode for solid oxide fuel cells. International Journal of Hydrogen Energy, 2014, 39, 14411-14415. | 3.8 | 19 |
| 105 | Na ₂ Ti ₃ O ₇ Nanotubes as Anode Materials for Sodium-Ion Batteries and Self-powered Systems. ChemElectroChem, 2019, 6, 3085-3090. | 1.7 | 19 |
| 106 | Flexible Quasi-Solid-State Sodium Battery for Storing Pulse Electricity Harvested from Triboelectric Nanogenerators. ACS Applied Materials & Interfaces, 2020, 12, 39342-39351. | 4.0 | 19 |
| 107 | High Activity of Nanoporous Sm _{0.2} Ce _{0.8} O _{2-δ} @430L Composites for Hydrogen Electro-Oxidation in Solid Oxide Fuel Cells. Advanced Energy Materials, 2014, 4, 1400883. | 10.2 | 18 |
| 108 | An efficient ultra-thin chain-structured copper cobalt oxide/sulfide composite catalyst for electrochemical hydrogen generation. RSC Advances, 2016, 6, 43185-43190. | 1.7 | 18 |

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|-----|---|-----|-----------|
| 109 | NiCoFeP Nanofibers as an Efficient Electrocatalyst for Oxygen Evolution Reaction and Zinc-Air Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000104. | 2.8 | 18 |
| 110 | Porous Urchin-Like Co_3O_4 Microspheres as an Efficient Bifunctional Catalyst for Nonaqueous and Solid-State Li^+O_2 Batteries. <i>ChemElectroChem</i> , 2018, 5, 2181-2185. | 1.7 | 17 |
| 111 | A long life solid-state lithium-oxygen battery enabled by a durable oxygen deficient flower-like CeO_2 microsphere based solid electrolyte. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2508-2516. | 3.0 | 17 |
| 112 | Platinum atomic clusters embedded in polyoxometalates-carbon black as an efficient and durable catalyst for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 704-712. | 5.0 | 15 |
| 113 | Carbon Formation Mechanism of C_2H_2 in Ni-Based Catalysts Revealed by in Situ Electron Microscopy and Molecular Dynamics Simulations. <i>ACS Omega</i> , 2019, 4, 8413-8420. | 1.6 | 14 |
| 114 | Layered double (Ni, Fe) hydroxide grown on nickel foam and modified by nickel carbonyl powder and carbon black as an efficient electrode for water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 19609-19618. | 3.8 | 14 |
| 115 | Pt Nanoparticles Loaded on $\text{W}_{18}\text{O}_{49}$ Nanocables-rGO Nanocomposite as a Highly Active and Durable Catalyst for Methanol Electro-Oxidation. <i>ACS Omega</i> , 2018, 3, 16850-16857. | 1.6 | 13 |
| 116 | A New Oxyfluorinated Titanium Phosphate Anode for A High-Energy Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1270-1274. | 4.0 | 12 |
| 117 | All-Solid-State Supercapacitors Based on Flexible Co_3O_4 Nanoflowers/rGO Nanocomposites. <i>Journal of Electronic Materials</i> , 2018, 47, 5987-5992. | 1.0 | 12 |
| 118 | Data-Driven Detection Methods on Driver's Pedal Action Intensity Using Triboelectric Nano-Generators. <i>Sustainability</i> , 2020, 12, 8926. | 1.6 | 12 |
| 119 | High performance lithium-sulfur batteries for storing pulsed energy generated by triboelectric nanogenerators. <i>Scientific Reports</i> , 2017, 7, 425. | 1.6 | 11 |
| 120 | Elucidating the diffusion pathway of protons in ammonium polyphosphate: a potential electrolyte for intermediate temperature fuel cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7839-7844. | 5.2 | 9 |
| 121 | Performance and stability of $\text{SrCo}_{0.9}\text{Nb}_{0.1}\text{O}_{3-\lambda}(\text{La}_{0.60}\text{Sr}_{0.40})_{0.95}(\text{Co}_{0.20}\text{Fe}_{0.80})\text{O}_{3-\lambda}$ bilayer cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2019, 414, 24-30. | 4.0 | 8 |
| 122 | Visualization of the Diffusion Pathway of Protons in $(\text{NH}_4)_2\text{Si}_0.5\text{Ti}_0.5\text{P}_4\text{O}_{13}$ as an Electrolyte for Intermediate-Temperature Fuel Cells. <i>Inorganic Chemistry</i> , 2018, 57, 676-680. | 1.9 | 7 |
| 123 | A High-Performance Solid-State Na^+CO_2 Battery with Poly(Vinylidene Fluoride) Electrolyte. <i>Energy and Environmental Materials</i> , 2023, 6, . | 7.3 | 7 |
| 124 | Perovskite $\text{Sr}_{0.9}\text{Y}_{0.1}\text{CoO}_3$ Nanorods Modified with CoO Nanoparticles as a Bifunctional Catalyst for Rechargeable Li^+O_2 Batteries. <i>ACS Applied Energy Materials</i> , 0, . | 2.5 | 6 |
| 125 | Li/Na Modified Ni-SDC Anode for Methane-Fueled Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2015, 68, 1403-1409. | 0.3 | 5 |
| 126 | Layered Double (Ni, Fe) Hydroxide Loaded with Platinum Nanoparticles as an Efficient Catalyst for the Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2022, 5, 5002-5009. | 2.5 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Electrochemical Properties of Low-Temperature Solid Oxide Fuel Cells Under Chromium Poisoning Conditions. <i>International Journal of Green Energy</i> , 2009, 6, 627-637. | 2.1 | 4 |
| 128 | Core-Shell Structured $\text{Sr}_{0.88}\text{Y}_{0.08}\text{TiO}_3\text{-Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ Composite as an Anode for Solid Oxide Fuel Cells Operating with CH_4 . <i>ECS Transactions</i> , 2013, 57, 1313-1319. | 0.3 | 4 |
| 129 | Low Temperature Methane Steam Reforming for SOFC. <i>ECS Transactions</i> , 2015, 68, 2775-2782. | 0.3 | 0 |
| 130 | In situ characterization of energy materials by neutron diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C129-C129. | 0.0 | 0 |