

Ling Zhao

List of Publications by Year in descending order

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118
papers

4,127
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87888

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docs citations

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times ranked

3187
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Engineering anion defect in perovskite oxyfluoride cathodes enables proton involved oxygen reduction reaction for protonic ceramic fuel cells. Separation and Purification Technology, 2022, 290, 120844. | 7.9 | 23 |
| 2 | Nonnoble metal oxides for high-performance Zn-air batteries: Design strategies and future challenges. Asia-Pacific Journal of Chemical Engineering, 2022, 17, . | 1.5 | 2 |
| 3 | Developing a Unique Hydrogen-Bond Network in a Uranyl Coordination Framework for Fuel Cell Applications. Inorganic Chemistry, 2022, 61, 8036-8042. | 4.0 | 8 |
| 4 | In-situ construction of Ruddlesden-Popper/perovskite heterointerface induces efficient bifunctional oxygen electrocatalyst for rechargeable zinc-air batteries. Electrochimica Acta, 2022, 424, 140673. | 5.2 | 10 |
| 5 | Realizing robust and efficient acidic oxygen evolution by electronic modulation of 0D/2D CeO ₂ quantum dots decorated SrIrO ₃ nanosheets. Applied Catalysis B: Environmental, 2022, 315, 121579. | 20.2 | 28 |
| 6 | Enhancing the bifunctional activity of CoSe ₂ nanocubes by surface decoration of CeO ₂ for advanced zinc-air batteries. Journal of Colloid and Interface Science, 2022, 625, 839-849. | 9.4 | 14 |
| 7 | Probing oxygen reduction and water uptake kinetics of BaCo _{0.4} Fe _{0.4} Zr _{0.1} Y _{0.1-x} Zn _x O _{3-δ} cathodes for protonic ceramic fuel cells. Separation and Purification Technology, 2022, 297, 121482. | 7.9 | 18 |
| 8 | Metal organic framework derived perovskite/spinel heterojunction as efficient bifunctional oxygen electrocatalyst for rechargeable and flexible Zn-air batteries. Journal of Colloid and Interface Science, 2022, 625, 502-511. | 9.4 | 21 |
| 9 | FeS ₂ @CoS ₂ incorporated into nitrogen-doped carbon nanofibers to boost oxygen electrocatalysis for durable rechargeable Zn-air batteries. Journal of Power Sources, 2021, 482, 228955. | 7.8 | 67 |
| 10 | Free volume dependence of dielectric behaviour in sandwich-structured high dielectric performances of poly(vinylidene fluoride) composite films. Nanoscale, 2021, 13, 300-310. | 5.6 | 26 |
| 11 | In-situ exsolution of CoNi alloy nanoparticles on LiFe _{0.8} Co _{0.1} Ni _{0.1} O ₂ parent: New opportunity for boosting oxygen evolution and reduction reaction. Applied Surface Science, 2021, 543, 148817. | 6.1 | 24 |
| 12 | Tuning the Oxygen Vacancy of the SrSc _{0.175} Nb _{0.025} Co _{0.8} O _{3-δ} Cathode toward Enhanced Oxygen Reduction Reaction for H ₂ -SOFCs by Water Uptake. Energy & Fuels, 2021, 35, 8953-8960. | 5.1 | 10 |
| 13 | In-situ photodeposition of CoS _x on Pa _{0.5} Ba _{0.5} Mn _{0.25} Fe _{0.75} O _{3-δ} perovskite to boost bifunctional oxygen electrocatalysis for rechargeable Zn-air batteries. Electrochimica Acta, 2021, 391, 138951. | 5.2 | 10 |
| 14 | Silver decorated cobalt carbonate to enable high bifunctional activity for oxygen electrocatalysis and rechargeable Zn-air batteries. Journal of Colloid and Interface Science, 2021, 603, 252-258. | 9.4 | 17 |
| 15 | Electronic tuning of SrIrO ₃ perovskite nanosheets by sulfur incorporation to induce highly efficient and long-lasting oxygen evolution in acidic media. Applied Catalysis B: Environmental, 2021, 298, 120562. | 20.2 | 55 |
| 16 | Hierarchical iron-phosphide@NiCo ₂ O ₄ nanoneedle arrays for high performance water splitting. Applied Surface Science, 2021, 569, 151016. | 6.1 | 8 |
| 17 | Integrated Ultrafine Co _{0.85} Se in Carbon Nanofibers: An Efficient and Robust Bifunctional Catalyst for Oxygen Electrocatalysis. Chemistry - A European Journal, 2020, 26, 4063-4069. | 3.3 | 25 |
| 18 | Investigation of Fe-substituted in BaZr _{0.8} Y _{0.2} O _{3-δ} proton conducting oxides as cathode materials for protonic ceramics fuel cells. Journal of Alloys and Compounds, 2020, 814, 152220. | 5.5 | 28 |

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|----|--|------|-----------|
| 19 | High efficiency and selectivity from synergy: Bi nanoparticles embedded in nitrogen doped porous carbon for electrochemical reduction of CO ₂ to formate. <i>Electrochimica Acta</i> , 2020, 334, 135563. | 5.2 | 37 |
| 20 | <i>In situ</i> exsolved Co nanoparticles coupled on LiCoO ₂ nanofibers to induce oxygen electrocatalysis for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19946-19953. | 10.3 | 27 |
| 21 | Modified carbon fiber electrodes with enhanced impedance performance for marine sensor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 109, 137-144. | 5.3 | 3 |
| 22 | Tuning Nanofillers in In Situ Prepared Polyimide Nanocomposites for High-Temperature Capacitive Energy Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1903881. | 19.5 | 259 |
| 23 | Ag-modified carbon fiber as a stable sensor. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 106034. | 7.6 | 6 |
| 24 | Oxygen vacancies-rich Ce _{0.9} Gd _{0.1} O _{2-δ} decorated Pr _{0.5} Ba _{0.5} CoO _{3-δ} bifunctional catalyst for efficient and long-lasting rechargeable Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118656. | 20.2 | 87 |
| 25 | Na incorporation controlled single phase kesterite Cu ₂ ZnSnS ₄ solar cell material. <i>Materials Letters</i> , 2020, 265, 127355. | 2.6 | 7 |
| 26 | Coupling amorphous cobalt hydroxide nanoflakes on Sr ₂ Fe _{1.5} Mo _{0.5} O _{5+δ} perovskite nanofibers to induce bifunctionality for water splitting. <i>Nanoscale</i> , 2020, 12, 9048-9057. | 5.6 | 33 |
| 27 | Lead and tungsten double stabilizing cobalt-based perovskite oxygen permeation membranes for clean energy delivery. <i>International Journal of Energy Research</i> , 2020, 44, 6259-6268. | 4.5 | 2 |
| 28 | Mobility Improvement of Sol-Gel Method Processed Transparent Sn _x Thin Films by Na Doping. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5102-5106. | 0.9 | 1 |
| 29 | An integrated bifunctional catalyst of metal-sulfide/perovskite oxide for lithium-oxygen batteries. <i>Journal of Power Sources</i> , 2019, 437, 226908. | 7.8 | 23 |
| 30 | Carbon quantum dots decorated Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} perovskite nanofibers for boosting oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117919. | 20.2 | 79 |
| 31 | Engineering anion defect in LaFeO _{2.85} Cl _{0.15} perovskite for boosting oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24077-24085. | 7.1 | 26 |
| 32 | SnSe ₂ Nanorods on Carbon Cloth as a Highly Selective, Active, and Flexible Electrocatalyst for Electrochemical Reduction of CO ₂ into Formate. <i>ACS Applied Energy Materials</i> , 2019, 2, 7655-7662. | 5.1 | 39 |
| 33 | Co ³⁺ -Rich Na _{1.95} CoP ₂ O ₇ Phosphates as Efficient Bifunctional Catalysts for Oxygen Evolution and Reduction Reactions in Alkaline Solution. <i>Chemistry - A European Journal</i> , 2019, 25, 11007-11014. | 3.3 | 12 |
| 34 | Plasma engraved Bi _{0.1} (Ba _{0.5} Sr _{0.5}) _{0.9} Co _{0.8} Fe _{0.2} O _{3-δ} perovskite for highly active and durable oxygen evolution. <i>Scientific Reports</i> , 2019, 9, 4210. | 3.3 | 20 |
| 35 | Strategic hierarchical improvement of superprotonic conductivity in a stable metal-organic framework system. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25165-25171. | 10.3 | 76 |
| 36 | Insights into Ni-Fe couple in perovskite electrocatalysts for highly efficient electrochemical oxygen evolution. <i>Electrochimica Acta</i> , 2019, 293, 240-246. | 5.2 | 30 |

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|----|---|------|-----------|
| 37 | Lanthanum modified lead zirconate titanate thin films by sol-gel and plasma annealing for integrated passive nanophotonic devices. <i>Optical Materials Express</i> , 2019, 9, 2279. | 3.0 | 3 |
| 38 | Unique Proton Transportation Pathway in a Robust Inorganic Coordination Polymer Leading to Intrinsically High and Sustainable Anhydrous Proton Conductivity. <i>Journal of the American Chemical Society</i> , 2018, 140, 6146-6155. | 13.7 | 181 |
| 39 | (Pr _{0.9} La _{0.1}) ₂ (Ni _{0.74} Cu _{0.21} Nb _{0.05})O _{4+δ} -Ce _{0.9} Gd _{0.1} O _{2+δ} (GDC) as an active and CO ₂ -tolerant nano-composite cathode for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 3291-3298. | 7.1 | 14 |
| 40 | Structure dependence of water vapor permeation in polymer nanocomposite membranes investigated by positron annihilation lifetime spectroscopy. <i>Journal of Membrane Science</i> , 2018, 549, 581-587. | 8.2 | 52 |
| 41 | Boosting Overall Water Splitting via FeOOH Nanoflake-Decorated PrBa _{0.5} Sr _{0.5} Co ₂ O _{5+δ} Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38032-38041. | 8.0 | 66 |
| 42 | Nickel-Based Bicarbonates as Bifunctional Catalysts for Oxygen Evolution and Reduction Reaction in Alkaline Media. <i>Chemistry - A European Journal</i> , 2018, 24, 17665-17671. | 3.3 | 15 |
| 43 | Copper nanowires/cellulose biodegradable flexible transparent conductor with improved thermal stability and its application. <i>Organic Electronics</i> , 2018, 63, 392-397. | 2.6 | 7 |
| 44 | Atomic layered deposition iron oxide on perovskite LaNiO ₃ as an efficient and robust bi-functional catalyst for lithium oxygen batteries. <i>Electrochimica Acta</i> , 2018, 281, 338-347. | 5.2 | 57 |
| 45 | Partially reduced Sn/SnO ₂ porous hollow fiber: A highly selective, efficient and robust electrocatalyst towards carbon dioxide reduction. <i>Electrochimica Acta</i> , 2018, 285, 70-77. | 5.2 | 51 |
| 46 | Enhanced Electrochemical Activity and Chromium Tolerance of the Nucleation-Agent-Free La ₂ Ni _{0.9} Fe _{0.1} O _{4+δ} Cathode by Gd _{0.1} Ce _{0.9} O _{1.95} Incorporation. <i>Electronic Materials Letters</i> , 2018, 14, 432-439. | 2.2 | 6 |
| 47 | Flexible Transparent Conductive Au/Polythiophene/Cellulose Sheet. <i>Nanoscience and Nanotechnology Letters</i> , 2018, 10, 108-111. | 0.4 | 2 |
| 48 | Effect of Co doping on sinterability and protonic conductivity of BaZr _{0.1} Ce _{0.7} Y _{0.1} Yb _{0.1} O _{3+δ} for protonic ceramic fuel cells. <i>Journal of Power Sources</i> , 2017, 347, 14-20. | 7.8 | 48 |
| 49 | Synthesis and magnetoelectric properties of multiferroic composites of lead lanthanum zirconate titanate and mesoporous cobalt ferrite. <i>Scripta Materialia</i> , 2017, 136, 29-32. | 5.2 | 14 |
| 50 | An active functional layer for carbon-tolerant anode of intermediate temperature solid oxide fuel cells. <i>Materials Letters</i> , 2017, 208, 54-57. | 2.6 | 11 |
| 51 | Novel, cobalt-free, and highly active Sr ₂ Fe _{1.5} Mo _{0.5} xSn _x O _{6+δ} cathode materials for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10308-10316. | 7.1 | 26 |
| 52 | The effect of the Zn/Sn ratio on the formation of single phase kesterite Cu ₂ ZnSnS ₄ solar cell material. <i>Ceramics International</i> , 2017, 43, 8103-8108. | 4.8 | 10 |
| 53 | A novel layered perovskite as symmetric electrode for direct hydrocarbon solid oxide fuel cells. <i>Journal of Power Sources</i> , 2017, 342, 313-319. | 7.8 | 89 |
| 54 | Application of a novel (Pr _{0.9} La _{0.1}) ₂ (Ni _{0.74} Cu _{0.21} Nb _{0.05})O _{4+δ} -infiltrated BaZr _{0.1} Ce _{0.7} Y _{0.2} O _{3+δ} cathode for high performance protonic ceramic fuel cells. <i>Journal of Power Sources</i> , 2017, 341, 192-198. | 7.8 | 60 |

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|----|--|------|-----------|
| 55 | Numerical modeling of ceria-based SOFCs with bi-layer electrolyte free from internal short circuit: Comparison of two cell configurations. <i>Electrochimica Acta</i> , 2017, 248, 356-367. | 5.2 | 22 |
| 56 | Formaldehyde assisted reduction achieved p-type orthorhombic tin oxide film prepared by an inexpensive chemical method. <i>Materials Research Express</i> , 2017, 4, 116411. | 1.6 | 2 |
| 57 | Effect of preparation process on properties of PLZT (9/65/35) transparent ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 723, 602-610. | 5.5 | 25 |
| 58 | Improved mobility of sol-gel method processed transparent tin sulfide thin films. <i>Materials Letters</i> , 2016, 178, 231-234. | 2.6 | 13 |
| 59 | Sm _{0.5} Sr _{0.5} CoO ₃ infiltrated Ce _{0.9} Gd _{0.1} O ₂ composite cathodes for high performance protonic ceramic fuel cells. <i>Journal of Power Sources</i> , 2016, 333, 24-29. | 7.8 | 24 |
| 60 | A comparison study of chromium deposition and poisoning on La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.2} O ₃ and Gd _{0.1} Ce _{0.9} O ₂ electrolytes of solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2016, 688, 376-381. | 5.5 | 8 |
| 61 | Glucose-assisted reduction achieved transparent p-type cuprous oxide thin film by a solution method. <i>Europhysics Letters</i> , 2016, 115, 37005. | 2.0 | 6 |
| 62 | Bismuth and indium co-doping strategy for developing stable and efficient barium zirconate-based proton conductors for high-performance H-SOFCs. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3423-3431. | 5.7 | 52 |
| 63 | Antimony doped barium strontium ferrite perovskites as novel cathodes for intermediate-temperature solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2016, 666, 23-29. | 5.5 | 36 |
| 64 | Tailoring of surface modified ultrathin membranes with CO ₂ tolerance and high oxygen permeability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4003-4008. | 10.3 | 20 |
| 65 | Enhanced Oxygen Permeation Behavior of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ Membranes in a CO ₂ -Containing Atmosphere with a Sm _{0.2} Ce _{0.8} O _{1.9} Functional Shell. <i>Energy & Fuels</i> , 2016, 30, 1829-1834. | 5.1 | 17 |
| 66 | Probing novel triple phase conducting composite cathode for high performance protonic ceramic fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5074-5083. | 7.1 | 30 |
| 67 | Enhanced sinterability and conductivity of BaZr _{0.3} Ce _{0.5} Y _{0.2} O ₃ by addition of bismuth oxide for proton conducting solid oxide fuel cells. <i>Journal of Power Sources</i> , 2016, 301, 369-375. | 7.8 | 43 |
| 68 | A new, high electrochemical activity and chromium tolerant cathode for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 15622-15631. | 7.1 | 17 |
| 69 | Synthesis and characterization of a Sr _{0.95} Y _{0.05} TiO ₃ -based hydrogen electrode for reversible solid oxide cells. <i>RSC Advances</i> , 2015, 5, 17000-17006. | 3.6 | 4 |
| 70 | Efficient modification for enhancing surface activity of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ oxygen permeation membrane. <i>Journal of Membrane Science</i> , 2015, 477, 7-13. | 8.2 | 24 |
| 71 | Chromium deposition and poisoning at La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ oxygen electrodes of solid oxide electrolysis cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1601-1609. | 2.8 | 52 |
| 72 | Tailoring Electrochemical Property of Layered Perovskite Cathode by Cu ²⁺ doping for Proton-Conducting IT-SOFCs. <i>Fuel Cells</i> , 2015, 15, 384-389. | 2.4 | 20 |

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|----|--|------|-----------|
| 73 | A comparison of oxygen permeation and CO ₂ tolerance of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.6} Nb _{0.2} O ₃ and La _{0.6} Sr _{0.4} Fe _{0.8} Nb _{0.2} O ₃ ceramic membranes. Journal of Alloys and Compounds, 2015, 644, 788-792. | 5.5 | 9 |
| 74 | New insight into highly active cathode of proton conducting solid oxide fuel cells by oxygen ionic conductor modification. Journal of Power Sources, 2015, 287, 170-176. | 7.8 | 27 |
| 75 | Highly active YSB infiltrated LSCF cathode for proton conducting solid oxide fuel cells. International Journal of Hydrogen Energy, 2015, 40, 13576-13582. | 7.1 | 34 |
| 76 | Fabrication and evaluation of stable micro tubular solid oxide fuel cells with BZCY-BZY bi-layer proton conducting electrolytes. International Journal of Hydrogen Energy, 2014, 39, 19087-19092. | 7.1 | 24 |
| 77 | Performance stability and degradation mechanism of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ cathodes under solid oxide fuel cells operation conditions. International Journal of Hydrogen Energy, 2014, 39, 15868-15876. | 7.1 | 85 |
| 78 | Cathode supported tubular solid oxide fuel cells with nanostructured La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ electrocatalysts. Journal of Power Sources, 2014, 266, 268-274. | 7.8 | 6 |
| 79 | Raman Spectroscopy Study of Chromium Deposition on La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ Cathode of Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2014, 161, F687-F693. | 2.9 | 44 |
| 80 | Insight into surface segregation and chromium deposition on La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ cathodes of solid oxide fuel cells. Journal of Materials Chemistry A, 2014, 2, 11114-11123. | 10.3 | 128 |
| 81 | The effect of Cr deposition and poisoning on BaZr _{0.1} Ce _{0.7} Y _{0.2} O ₃ proton conducting electrolyte. International Journal of Hydrogen Energy, 2014, 39, 18379-18384. | 7.1 | 10 |
| 82 | Effect of temperature on the chromium deposition and poisoning of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ cathodes of solid oxide fuel cells. Electrochimica Acta, 2014, 139, 173-179. | 5.2 | 39 |
| 83 | Comparative study of electrochemical properties of different composite cathode materials associated to stable proton conducting BaZr _{0.7} Pr _{0.1} Y _{0.2} O ₃ electrolyte. Electrochimica Acta, 2014, 146, 1-7. | 5.2 | 25 |
| 84 | Study on the Cr deposition and poisoning phenomenon at (La _{0.6} Sr _{0.4})(Co _{0.2} Fe _{0.8})O ₃ electrode of solid oxide fuel cells by transmission X-ray microscopy. International Journal of Hydrogen Energy, 2014, 39, 15728-15734. | 7.1 | 20 |
| 85 | A surface modified La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ ultrathin membrane for highly efficient oxygen separation. Journal of Membrane Science, 2014, 464, 55-60. | 8.2 | 32 |
| 86 | Effect of nickel impregnated hollow fiber anode for micro tubular solid oxide fuel cells. Journal of Power Sources, 2014, 258, 391-394. | 7.8 | 8 |
| 87 | Surface Segregation and Chromium Deposition and Poisoning on La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ Cathodes of Solid Oxide Fuel Cells. ECS Transactions, 2013, 57, 599-604. | 0.5 | 10 |
| 88 | Boron Poisoning of (La, Sr)(Co, Fe)O ₃ Cathodes of Solid Oxide Fuel Cells. ECS Transactions, 2013, 57, 1821-1830. | 0.5 | 1 |
| 89 | SmBaCo ₂ O ₅ as High Efficient Oxygen Electrode of Solid Oxide Electrolysis Cells. ECS Transactions, 2013, 57, 3189-3196. | 0.5 | 8 |
| 90 | Enhanced Chromium Tolerance of Gd _{0.1} Ce _{0.9} O _{1.95} Impregnated La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ Electrode of Solid Oxide Fuel Cells. ECS Transactions, 2013, 57, 2163-2173. | 0.5 | 1 |

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|-----|---|-----|-----------|
| 91 | Effect of Boron Deposition and Poisoning on the Surface Exchange Properties of LSCF Electrode Materials of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2013, 160, F682-F686. | 2.9 | 35 |
| 92 | Enhanced chromium tolerance of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ electrode of solid oxide fuel cells by $\text{Gd}_{0.1}\text{Ce}_{0.9}\text{O}_{1.95}$ impregnation. <i>Electrochemistry Communications</i> , 2013, 37, 84-87. | 4.7 | 54 |
| 93 | Potentiality of cobalt-free perovskite $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Fe}_{0.9}\text{Mo}_{0.1}\text{O}_{3-\delta}$ as a single-phase cathode for intermediate-to-low-temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14323-14328. | 7.1 | 21 |
| 94 | Ti-doped molybdenum-based perovskites as anodes for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2013, 241, 627-633. | 7.8 | 45 |
| 95 | Effect of Volatile Boron Species on the Microstructure and Composition of (La,Sr)MnO ₃ and (La,Sr)(Co,Fe)O ₃ Cathode Materials of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2013, 160, F1033-F1039. | 2.9 | 19 |
| 96 | Effect of Volatile Boron Species on the Electrocatalytic Activity of Cathodes of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2013, 160, F301-F308. | 2.9 | 32 |
| 97 | Effect of Volatile Boron Species on the Electrocatalytic Activity of Cathodes of Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2013, 160, F183-F190. | 2.9 | 30 |
| 98 | $\text{Sr}_{2-x}\text{Fe}_{1.5-x}\text{Mo}_{0.5-x}\text{O}_{6-\delta}$ - $\text{Sm}_{0.2-x}\text{Ce}_{0.8-x}\text{O}_{1.9-x}$ Composite Anodes for Intermediate-Temperature Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2012, 159, B619-B626. | 2.9 | 73 |
| 99 | Reaction model for cathodes cooperated with oxygen-ion conductors for solid oxide fuel cells using proton-conducting electrolytes. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 548-554. | 7.1 | 42 |
| 100 | A cobalt-free $\text{Sm}_{0.5}\text{Sr}_{0.5}\text{Fe}_{0.8}\text{Cu}_{0.2}\text{O}_{3-\delta}$ / $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{2-\delta}$ composite cathode for proton-conducting solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 2631-2634. | 7.8 | 66 |
| 101 | Electro-catalytic activity of Dy ₂ O ₃ as a solid oxide fuel cell anode material. <i>Electrochemistry Communications</i> , 2011, 13, 194-196. | 4.7 | 19 |
| 102 | $\text{BaZr}_{0.1}\text{Ce}_{0.7}\text{Y}_{0.2}\text{O}_{3-\delta}$ as an electronic blocking material for microtubular solid oxide fuel cells based on doped ceria electrolyte. <i>Electrochemistry Communications</i> , 2011, 13, 450-453. | 4.7 | 27 |
| 103 | Ni-LnO_x (Ln=Dy, Ho, Er, Yb and Tb) cermet anodes for intermediate-temperature solid oxide fuel cells. <i>Electrochimica Acta</i> , 2011, 56, 7071-7077. | 5.2 | 4 |
| 104 | Synthesis, characterization and evaluation of $\text{PrBaCo}_{2-x}\text{Fe}_x\text{O}_{5+\delta}$ as cathodes for intermediate-temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3658-3665. | 7.1 | 144 |
| 105 | Ni-Sm ₂ O ₃ cermet anodes for intermediate-temperature solid oxide fuel cells with stabilized zirconia electrolytes. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5589-5594. | 7.1 | 13 |
| 106 | Micro-tubular solid oxide fuel cells with graded anodes fabricated with a phase inversion method. <i>Journal of Power Sources</i> , 2011, 196, 962-967. | 7.8 | 44 |
| 107 | Novel layered perovskite oxide $\text{PrBaCuCoO}_{5+\delta}$ as a potential cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 453-456. | 7.8 | 60 |
| 108 | Low-temperature solid oxide fuel cells with novel $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.8}\text{Cu}_{0.2}\text{O}_{3-\delta}$ perovskite cathode and functional graded anode. <i>Journal of Power Sources</i> , 2010, 195, 1624-1629. | 7.8 | 29 |

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|-----|---|-----|-----------|
| 109 | Electrochemical performance of novel cobalt-free oxide $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Fe}_{0.8}\text{Cu}_{0.2}\text{O}_{3-\delta}$ for solid oxide fuel cell cathode. <i>Journal of Power Sources</i> , 2010, 195, 1859-1861. | 7.8 | 79 |
| 110 | A cobalt-free $\text{SrFe}_{0.9}\text{Sb}_{0.1}\text{O}_{3-\delta}$ cathode material for proton-conducting solid oxide fuel cells with stable $\text{BaZr}_{0.1}\text{Ce}_{0.7}\text{Y}_{0.1}\text{Yb}_{0.1}\text{O}_{3-\delta}$ electrolyte. <i>Journal of Power Sources</i> , 2010, 195, 7042-7045. | 7.8 | 48 |
| 111 | Characterization and evaluation of $\text{NdBaCo}_2\text{O}_{5-\delta}$ cathode for proton-conducting solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 753-756. | 7.1 | 48 |
| 112 | Cobalt-free oxide $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Fe}_{0.8}\text{Cu}_{0.2}\text{O}_{3-\delta}$ for proton-conducting solid oxide fuel cell cathode. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 3769-3774. | 7.1 | 66 |
| 113 | Investigation of cobalt-free cathode material $\text{Sm}_{0.5}\text{Sr}_{0.5}\text{Fe}_{0.8}\text{Cu}_{0.2}\text{O}_{3-\delta}$ for intermediate temperature solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6905-6910. | 7.1 | 93 |
| 114 | Layered SmBaCuCoO_{5+x} and SmBaCuFeO_{5+x} perovskite oxides as cathode materials for proton-conducting SOFCs. <i>Journal of Alloys and Compounds</i> , 2010, 492, 291-294. | 5.5 | 29 |
| 115 | Layered perovskite LaBaCuMO_{5+x} (M=Fe, Co) cathodes for intermediate-temperature protonic ceramic membrane fuel cells. <i>Journal of Alloys and Compounds</i> , 2010, 493, 252-255. | 5.5 | 39 |
| 116 | In situ drop-coated $\text{BaZr}_{0.1}\text{Ce}_{0.7}\text{Y}_{0.2}\text{O}_{3-\delta}$ electrolyte-based proton-conductor solid oxide fuel cells with a novel layered $\text{PrBaCuFeO}_{5-\delta}$ cathode. <i>Journal of Power Sources</i> , 2009, 194, 291-294. | 7.8 | 41 |
| 117 | High performance of proton-conducting solid oxide fuel cell with a layered $\text{PrBaCo}_2\text{O}_{5-\delta}$ cathode. <i>Journal of Power Sources</i> , 2009, 194, 835-837. | 7.8 | 109 |
| 118 | High sintering ability and electrical conductivity of Zn doped $\text{La}(\text{Ca})\text{CrO}_3$ based interconnect ceramics for SOFCs. <i>Journal of Power Sources</i> , 2008, 177, 451-456. | 7.8 | 18 |