# Huangang Shi

List of Publications by Year
in descending order

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| 26 | 961 | 516710 16 | 552781 26 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 26 | 26 | 26 | 870 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Solidâ€state synthesis of BaCe<sub>0.16</sub>Y<sub>0.04</sub>Fe<sub>0.8</sub>O<sub>3â€Î´</sub> cathode for protonic ceramic fuel cells. Asia-Pacific Journal of Chemical Engineering, 2022, 17, . | 1.5 | 2 |
| 2 | Alleviation of O2 competition with NO in electrochemical reduction through nanoceria supported on LSM cathode. Fuel, 2022, 327, 124872. | 6.4 | 1 |
| 3 | Contributions of Boudouard reaction to NO electrocatalytic reduction by Fe-loaded carbon materials in the presence of O2. Journal of Catalysis, 2021, 394, 30-39. | 6.2 | 2 |
| 4 | Building Ruddlesdenâ€“Popper and Single Perovskite Nanocomposites: A New Strategy to Develop Highâ€Performance Cathode for Protonic Ceramic Fuel Cells. Small, 2021, 17, e2101872. | 10.0 | 38 |
| 5 | Investigation on the relationship between slurry droplet entrainment and fine particle emission in the limestone-gypsum WFGD system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 1691-1704. | 2.3 | 6 |
| 6 | Electrochemical reduction of nitric oxide in different carbon-driven solid state cells. Journal of Alloys and Compounds, 2020, 812, 152163. | 5.5 | 5 |
| 7 | Electrolyte materials for intermediate-temperature solid oxide fuel cells. Progress in Natural Science: Materials International, 2020, 30, 764-774. | 4.4 | 129 |
| 8 | Toward Reducing the Operation Temperature of Solid Oxide Fuel Cells: Our Past 15 Years of Efforts in Cathode Development. Energy & Fuels, 2020, 34, 15169-15194. | 5.1 | 152 |
| 9 | Solid oxide fuel cells in combination with biomass gasification for electric power generation. Chinese Journal of Chemical Engineering, 2020, 28, 1156-1161. | 3.5 | 25 |
| 10 | Electrochemical Performance of Ba0.5Sr0.5Co0.8Fe0.2O3â^'Î´ in Symmetric Cells With Sm0.2Ce0.8O1.9 Electrolyte for Nitric Oxide Reduction Reaction. Frontiers in Chemistry, 2019, 7, 947. | 3.6 | 3 |
| 11 | BaCo<sub>0.7</sub>Fe<sub>0.22</sub>Y<sub>0.08</sub>O<sub>3â^'Î´</sub> as an Active Oxygen Reduction Electrocatalyst for Low-Temperature Solid Oxide Fuel Cells below 600 Â°C. ACS Energy Letters, 2017, 2, 301-305. | 17.4 | 70 |
| 12 | The role of ceria in LSM-GDC composite cathode for electrochemical reduction of nitric oxide. Applied Catalysis B: Environmental, 2016, 197, 244-253. | 20.2 | 16 |
| 13 | In situ catalyzed Boudouard reaction of coal char for solid oxide-based carbon fuel cells with improved performance. Applied Energy, 2015, 141, 200-208. | 10.1 | 82 |
| 14 | Green fabrication of composite cathode with attractive performance for solid oxide fuel cells through facile inkjet printing. Journal of Power Sources, 2015, 273, 465-471. | 7.8 | 32 |
| 15 | Fabrication and operation of flowâ€through tubular SOFCs for electric power and synthesis gas cogeneration from methane. AICHE Journal, 2014, 60, 1036-1044. | 3.6 | 11 |
| 16 | Thermal inkjet printing of thin-film electrolytes and buffering layers for solid oxide fuel cells with improved performance. International Journal of Hydrogen Energy, 2013, 38, 9310-9319. | 7.1 | 44 |
| 17 | Systematic evaluation of Co-free LnBaFe2O5+Î´ (Ln=Lanthanides or Y) oxides towards the application as cathodes for intermediate-temperature solid oxide fuel cells. Electrochimica Acta, 2012, 78, 466-474. | 5.2 | 105 |
| 18 | High performance tubular solid oxide fuel cells with BSCF cathode. International Journal of Hydrogen Energy, 2012, 37, 13022-13029. | 7.1 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Wet powder spraying fabrication and performance optimization of IT-SOFCs with thin-film ScSZ electrolyte. International Journal of Hydrogen Energy, 2012, 37, 1125-1132. | 7.1 | 32 |
| 20 | Iron incorporated Niâ€“ZrO2 catalysts for electric power generation from methane. International Journal of Hydrogen Energy, 2012, 37, 9801-9808. | 7.1 | 14 |
| 21 | Effect of Sm3+ content on the properties and electrochemical performance of SmxSr1âˆ’xCoO3âˆ’Î´ (0.2â‰¤xâ‰¤0.8) as an oxygen reduction electrodes on doped ceria electrolytes. Electrochimica Acta, 2011, 56, 2870-2876. | 5.2 | 27 |
| 22 | Significant impact of the current collection material and method on the performance of Ba0.5Sr0.5Co0.8Fe0.2O3âˆ’ electrodes in solid oxide fuel cells. Journal of Power Sources, 2011, 196, 5511-5519. | 7.8 | 26 |
| 23 | Reducing the operation temperature of a solid oxide fuel cell using a conventional nickel-based cermet anode on dimethyl ether fuel through internal partial oxidation. Journal of Power Sources, 2011, 196, 7601-7608. | 7.8 | 10 |
| 24 | Comparative study of doped ceria thin-film electrolytes prepared by wet powder spraying with powder synthesized via two techniques. Journal of Power Sources, 2010, 195, 393-401. | 7.8 | 28 |
| 25 | Performance of SrSc0.2Co0.8O3âˆ’Î´+Sm0.5Sr0.5CoO3âˆ’Î´ mixed-conducting composite electrodes for oxygen reduction at intermediate temperatures. International Journal of Hydrogen Energy, 2009, 34, 9496-9504. | 7.1 | 44 |
| 26 | Fabrication of an anode-supported yttria-stabilized zirconia thin film for solid-oxide fuel cells via wet powder spraying. Journal of Power Sources, 2008, 184, 229-237. | 7.8 | 35 |