

# Haoran Xu

## List of Publications by Year in descending order

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121  
papers

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109137

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121  
docs citations

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times ranked

3108  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Optimal design and performance evaluation of a cogeneration system based on a molten carbonate fuel cell and a two-stage thermoelectric generator. <i>International Journal of Ambient Energy</i> , 2022, 43, 1986-1993.   | 1.4 | 8         |
| 2  | Elastocaloric cooler for waste heat recovery from proton exchange membrane fuel cells. <i>Energy</i> , 2022, 238, 121789.  | 4.5 | 19        |
| 3  | Design and modeling of a honeycomb ceramic thermal energy storage for a solar thermal air-Brayton cycle system. <i>Energy</i> , 2022, 239, 122405.   | 4.5 | 10        |
| 4  | A sliding-bed particle solar receiver with controlling particle flow velocity for high-temperature thermal power generation. <i>Renewable Energy</i> , 2022, 183, 41-50.   | 4.3 | 10        |
| 5  | A novel triple-cycle system based on high-temperature proton exchange membrane fuel cell, thermoelectric generator, and thermally regenerative electrochemical refrigerator for power and cooling cogeneration. <i>International Journal of Energy Research</i> , 2022, 46, 7529-7541. | 2.2 | 3         |
| 6  | High-Property Anode Catalyst Compositing Co-Based Perovskite and NiFe-Layered Double Hydroxide for Alkaline Seawater Splitting. <i>Processes</i> , 2022, 10, 668.  | 1.3 | 11        |
| 7  | An efficient high-temperature PEMFC/membrane distillation hybrid system for simultaneous production of electricity and freshwater. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 11998-12014.  | 3.8 | 11        |
| 8  | Multi-objective optimizations of solid oxide co-electrolysis with intermittent renewable power supply via multi-physics simulation and deep learning strategy. <i>Energy Conversion and Management</i> , 2022, 258, 115560.  | 4.4 | 9         |
| 9  | A cost-efficient path to utilize coal via solid oxide fuel cells and alkali metal thermoelectric converters. <i>International Journal of Energy Research</i> , 2022, 46, 11109-11122.  | 2.2 | 1         |
| 10 | Dependence of the Heterogeneity of Grain Boundaries on Adjacent Grains in Perovskites and Its Impact on Photovoltage. <i>Small</i> , 2022, 18, e2105140.   | 5.2 | 9         |
| 11 | Performance potential of a new molten hydroxide direct carbon fuel cell-based triple-cycle system for clean and efficient coal use. <i>International Journal of Energy Research</i> , 2022, 46, 14491-14504.   | 2.2 | 3         |
| 12 | Dynamic behavior of high-temperature CO <sub>2</sub> /H <sub>2</sub> O co-electrolysis coupled with real fluctuating renewable power. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102344.   | 1.7 | 2         |
| 13 | In Situ Microscopic Observation of Humidity-Induced Degradation in All-Inorganic Perovskite Films. <i>ACS Applied Energy Materials</i> , 2022, 5, 8092-8102.   | 2.5 | 4         |
| 14 | Experimental and Numerical Study on Thermal Hydraulic Performance of Trapezoidal Printed Circuit Heat Exchanger for Supercritical CO <sub>2</sub> Brayton Cycle. <i>Energies</i> , 2022, 15, 4940.   | 1.6 | 5         |
| 15 | Achieving high energy efficiency of alkaline hybrid zinc battery by using the optimized Co-Mn spinel cathode. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 27470-27480.   | 3.8 | 5         |
| 16 | A combined phosphoric acid fuel cell and direct contact membrane distillation hybrid system for electricity generation and seawater desalination. <i>Energy Conversion and Management</i> , 2022, 267, 115916.   | 4.4 | 8         |
| 17 | Energetic, exergetic and ecological evaluations of a hybrid system based on a phosphoric acid fuel cell and an organic Rankine cycle. <i>Energy</i> , 2021, 217, 119365.   | 4.5 | 23        |
| 18 | Numerical simulation of hybrid systems based on solid oxide fuel cells. , 2021, , 91-127.  |     | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | High-temperature electrolysis and co-electrolysis. , 2021, , 51-73.   |     | 1         |
| 20 | A new combined system consisting of a molten hydroxide direct carbon fuel cell and an alkali metal thermal electric converter: Energy and exergy analyses. Applied Thermal Engineering, 2021, 185, 116417.                | 3.0 | 15        |
| 21 | Enabling thermal-neutral electrolysis for CO <sub>2</sub> -to-fuel conversions with a hybrid deep learning strategy. Energy Conversion and Management, 2021, 230, 113827.   | 4.4 | 23        |
| 22 | Methanol to power through high-efficiency hybrid fuel cell system: Thermodynamic, thermo-economic, and techno-economic (3T) analyses in Northwest China. Energy Conversion and Management, 2021, 232, 113899.             | 4.4 | 19        |
| 23 | A hybrid system using a looped multi-stage thermoacoustically-driven cryocooler to harvest the waste heat from a direct carbon solid oxide fuel cell. International Journal of Heat and Mass Transfer, 2021, 169, 120972. | 2.5 | 8         |
| 24 | Advancing the multiscale understanding on solid oxide electrolysis cells via modelling approaches: A review. Renewable and Sustainable Energy Reviews, 2021, 141, 110863.   | 8.2 | 42        |
| 25 | An efficient hybrid system using a graphene-based cathode vacuum thermionic energy converter to harvest the waste heat from a molten hydroxide direct carbon fuel cell. Energy, 2021, 223, 120095.                        | 4.5 | 11        |
| 26 | Performance evaluation of a hybrid alkali metal thermal electric converter-two stage thermoelectric generator system. Applied Thermal Engineering, 2021, 191, 116820.   | 3.0 | 16        |
| 27 | Maximum power density analyses of a novel hybrid system based upon solid oxide fuel cells, vacuum thermionic generators and thermoelectric generators. International Journal of Hydrogen Energy, 2021, 46, 22062-22078.   | 3.8 | 23        |
| 28 | Self-Assembled Structure Evolution of Mn <sub>1-x</sub> Fe <sub>x</sub> Oxides for High Temperature Thermochemical Energy Storage. Small, 2021, 17, e2101524.   | 5.2 | 17        |
| 29 | Thermochemical Energy Storage: Self-Assembled Structure Evolution of Mn <sub>1-x</sub> Fe <sub>x</sub> Oxides for High Temperature Thermochemical Energy Storage (Small 29/2021). Small, 2021, 17, 2170149.               | 5.2 | 0         |
| 30 | Optimization of catalyst layer thickness for achieving high performance and low cost of high temperature proton exchange membrane fuel cell. Applied Energy, 2021, 294, 117012.   | 5.1 | 35        |
| 31 | Elucidating the mechanism of discharge performance improvement in zinc-air flow batteries: A combination of experimental and modeling investigations. Journal of Energy Storage, 2021, 40, 102779.                        | 3.9 | 11        |
| 32 | Regulating thermochemical redox temperature via oxygen defect engineering for protection of solar molten salt receivers. IScience, 2021, 24, 103039.  | 1.9 | 7         |
| 33 | Stability in Photoinduced Instability in Mixed-Halide Perovskite Materials and Solar Cells. Journal of Physical Chemistry C, 2021, 125, 21370-21380.  | 1.5 | 10        |
| 34 | Performance analysis of a new hybrid system composed of a concentrated photovoltaic cell and a two-stage thermoelectric generator. Sustainable Energy, Grids and Networks, 2021, 27, 100481.                              | 2.3 | 11        |
| 35 | Experimental and numerical investigation on the dynamic characteristics of a lab-scale transcritical CO <sub>2</sub> loop. Energy Conversion and Management, 2021, 245, 114384.   | 4.4 | 4         |
| 36 | Self-supported metal sulfide electrode for flexible quasi-solid-state zinc-air batteries. Journal of Alloys and Compounds, 2021, 878, 160434.   | 2.8 | 10        |

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|----|---|-----|-----------|
| 37 | Regenerable MgO-based sorbents for CO <sub>2</sub> capture at elevated temperature and pressure: Experimental and DFT study. <i>Chemical Engineering Journal</i> , 2021, 425, 130675.                             | 6.6 | 19        |
| 38 | Al-Modified CuO/Cu <sub>2</sub> O for High-Temperature Thermochemical Energy Storage: from Reaction Performance to Modification Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 57274-57284. | 4.0 | 10        |
| 39 | A potentially non-contact monitor method for CO <sub>2</sub> at the pseudo-critical region using infrared spectrometer. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 56, 101842.                          | 3.3 | 1         |
| 40 | Numerical Study on Flow and Heat Transfer Characteristics of Trapezoidal Printed Circuit Heat Exchanger. <i>Micromachines</i> , 2021, 12, 1589.   | 1.4 | 6         |
| 41 | Analysis of effects of meso-scale reactions on multiphysics transport processes in rSOFC fueled with syngas. <i>Energy</i> , 2020, 190, 116379.   | 4.5 | 8         |
| 42 | Toward the rational design of cathode and electrolyte materials for aprotic Li- $\text{CO}_2$ batteries: A numerical investigation. <i>International Journal of Energy Research</i> , 2020, 44, 496-507.          | 2.2 | 15        |
| 43 | Elimination of Light-Soaking Effect in Hysteresis-Free Perovskite Solar Cells by Interfacial Modification. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1851-1860.   | 1.5 | 18        |
| 44 | A-site deficient/excessive effects of LaMnO <sub>3</sub> perovskite as bifunctional oxygen catalyst for zinc-air batteries. <i>Electrochimica Acta</i> , 2020, 333, 135566.                                       | 2.6 | 71        |
| 45 | Performance analyses of a combined system consisting of high-temperature polymer electrolyte membrane fuel cells and thermally regenerative electrochemical cycles. <i>Energy</i> , 2020, 193, 116720.            | 4.5 | 32        |
| 46 | Thermo-economic modeling and analysis of an NG-fueled SOFC-WGS-TSA-PEMFC hybrid energy conversion system for stationary electricity power generation. <i>Energy</i> , 2020, 192, 116613.                          | 4.5 | 50        |
| 47 | Dynamic modeling and operation strategy of natural gas fueled SOFC-Engine hybrid power system with hydrogen addition by metal hydride for vehicle applications. <i>ETransportation</i> , 2020, 5, 100074.         | 6.8 | 27        |
| 48 | Alkali modified P25 with enhanced CO <sub>2</sub> adsorption for CO <sub>2</sub> photoreduction. <i>RSC Advances</i> , 2020, 10, 27989-27994.   | 1.7 | 13        |
| 49 | Improved Design of a Thermophotovoltaic Device. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 4709-4712.   | 1.6 | 5         |
| 50 | Achieving a broad-spectrum photovoltaic system by hybridizing a two-stage thermoelectric generator. <i>Energy Conversion and Management</i> , 2020, 211, 112778.  | 4.4 | 24        |
| 51 | A comprehensive review on high-temperature fuel cells with carbon capture. <i>Applied Energy</i> , 2020, 275, 115342.   | 5.1 | 50        |
| 52 | Performance improvement of perovskite solar cells via spiro-OMeTAD pre-crystallization. <i>Journal of Materials Science</i> , 2020, 55, 12264-12273.  | 1.7 | 5         |
| 53 | Achieving a stable zinc electrode with ultralong cycle life by implementing a flowing electrolyte. <i>Journal of Power Sources</i> , 2020, 453, 227856.   | 4.0 | 31        |
| 54 | A novel hybrid system consisting of a dye-sensitized solar cell and an absorption refrigerator for power and cooling cogeneration. <i>International Journal of Refrigeration</i> , 2020, 113, 115-125.            | 1.8 | 12        |

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|----|---|-----|-----------|
| 55 | Energetic, exergetic and ecological analyses of a high-temperature proton exchange membrane fuel cell based on a phosphoric-acid-doped polybenzimidazole membrane. Sustainable Energy Technologies and Assessments, 2020, 38, 100671.             | 1.7 | 16        |
| 56 | A new hybrid system composed of high-temperature proton exchange fuel cell and two-stage thermoelectric generator with Thomson effect: Energy and exergy analyses. Energy, 2020, 195, 117000.   | 4.5 | 43        |
| 57 | Techno-economic evaluation and technology roadmap of the MWe-scale SOFC-PEMFC hybrid fuel cell system for clean power generation. Journal of Cleaner Production, 2020, 255, 120225.   | 4.6 | 26        |
| 58 | Thermal effects in H <sub>2</sub> O and CO <sub>2</sub> assisted direct carbon solid oxide fuel cells. International Journal of Hydrogen Energy, 2020, 45, 12459-12475.   | 3.8 | 21        |
| 59 | Towards online optimisation of solid oxide fuel cell performance: Combining deep learning with multi-physics simulation. Energy and AI, 2020, 1, 100003.  | 5.8 | 61        |
| 60 | Cation-Substitution-Tuned Oxygen Electrocatalyst of Spinel Cobaltite MCo <sub>2</sub> O <sub>4</sub> (M = Fe, Co, and Ni) Hexagonal Nanoplates for Rechargeable Zn-Air Batteries. Journal of the Electrochemical Society, 2019, 166, A3448-A3455. | 1.3 | 8         |
| 61 | Origination of Anomalous Current Fluctuation in Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 8138-8144.   | 2.5 | 3         |
| 62 | Harvesting waste heat from molten carbonate fuel cells for bifunction applications. Journal of Renewable and Sustainable Energy, 2019, 11, 054301.  | 0.8 | 1         |
| 63 | Charge Carrier Dynamics in Electron-Transport-Layer-Free Perovskite Solar Cells. ACS Applied Electronic Materials, 2019, 1, 2334-2341.  | 2.0 | 11        |
| 64 | The thermal effects of all porous solid oxide fuel cells. Journal of Power Sources, 2019, 440, 227102.  | 4.0 | 20        |
| 65 | Modeling of a combined CH <sub>4</sub> -assisted solid oxide co-electrolysis and Fischer-Tropsch synthesis system for low-carbon fuel production. Energy Procedia, 2019, 158, 1666-1671.  | 1.8 | 6         |
| 66 | A hybrid system using Brayton cycle to harvest the waste heat from a direct carbon solid oxide fuel cell. Applied Thermal Engineering, 2019, 160, 113992.   | 3.0 | 23        |
| 67 | Achieving high energy density and efficiency through integration: progress in hybrid zinc batteries. Journal of Materials Chemistry A, 2019, 7, 15564-15574.  | 5.2 | 54        |
| 68 | Modelling of a hybrid system for on-site power generation from solar fuels. Applied Energy, 2019, 240, 709-718.   | 5.1 | 11        |
| 69 | Performance assessment of a combined system consisting of a high-temperature polymer electrolyte membrane fuel cell and a thermoelectric generator. Energy, 2019, 179, 762-770.   | 4.5 | 17        |
| 70 | Exploring oxygen electrocatalytic activity and pseudocapacitive behavior of Co <sub>3</sub> O <sub>4</sub> nanoplates in alkaline solutions. Electrochimica Acta, 2019, 310, 86-95.   | 2.6 | 21        |
| 71 | Combined methane reforming by carbon dioxide and steam in proton conducting solid oxide fuel cells for syngas/power co-generation. International Journal of Hydrogen Energy, 2019, 44, 15313-15321.   | 3.8 | 28        |
| 72 | Performance assessment of an advanced triple-cycle system based upon solid oxide fuel cells, vacuum thermionic generators and absorption refrigerators. Energy Conversion and Management, 2019, 193, 64-73.                                       | 4.4 | 36        |

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|----|--|------|-----------|
| 73 | A novel solar assisted vacuum thermionic generator-absorption refrigerator cogeneration system producing electricity and cooling. <i>Energy Conversion and Management</i> , 2019, 187, 83-92.  | 4.4  | 15        |
| 74 | Synthesis of Fe <sub>2</sub> O <sub>3</sub> Nanoparticle-Decorated N-Doped Reduced Graphene Oxide as an Effective Catalyst for Zn-Air Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A616-A622.                       | 1.3  | 19        |
| 75 | A high-performance Zn battery based on self-assembled nanostructured NiCo <sub>2</sub> O <sub>4</sub> electrode. <i>Journal of Power Sources</i> , 2019, 421, 6-13.  | 4.0  | 87        |
| 76 | Performance Analysis of a Hybrid System Consisting of a Molten Carbonate Direct Carbon Fuel Cell and an Absorption Refrigerator. <i>Energies</i> , 2019, 12, 357.  | 1.6  | 6         |
| 77 | Low carbon fuel production from combined solid oxide CO <sub>2</sub> co-electrolysis and Fischer-Tropsch synthesis system: A modelling study. <i>Applied Energy</i> , 2019, 242, 911-918.  | 5.1  | 23        |
| 78 | Toward a new generation of low cost, efficient, and durable metal-air flow batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26744-26768.  | 5.2  | 51        |
| 79 | In-situ growth of Co <sub>3</sub> O <sub>4</sub> nanowire-assembled clusters on nickel foam for aqueous rechargeable Zn-Co <sub>3</sub> O <sub>4</sub> and Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 104-112. | 10.8 | 167       |
| 80 | Plastic waste fuelled solid oxide fuel cell system for power and carbon nanotube cogeneration. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1867-1876.  | 3.8  | 30        |
| 81 | Modeling of all-porous solid oxide fuel cells with a focus on the electrolyte porosity design. <i>Applied Energy</i> , 2019, 235, 602-611.   | 5.1  | 28        |
| 82 | Thermal modelling of ethanol-fuelled Solid Oxide Fuel Cells. <i>Applied Energy</i> , 2019, 237, 476-486.   | 5.1  | 39        |
| 83 | Porous Co <sub>3</sub> O <sub>4</sub> nanoplates as the active material for rechargeable Zn-air batteries with high energy efficiency and cycling stability. <i>Energy</i> , 2019, 166, 1241-1248.   | 4.5  | 29        |
| 84 | A direct carbon solid oxide fuel cell fueled with char from wheat straw. <i>International Journal of Energy Research</i> , 2019, 43, 2468-2477.  | 2.2  | 38        |
| 85 | Experimental and modeling study of high performance direct carbon solid oxide fuel cell with in situ catalytic steam-carbon gasification reaction. <i>Journal of Power Sources</i> , 2018, 382, 135-143.                                     | 4.0  | 38        |
| 86 | Co <sub>3</sub> O <sub>4</sub> Nanosheets as Active Material for Hybrid Zn Batteries. <i>Small</i> , 2018, 14, e1800225.   | 5.2  | 131       |
| 87 | Performance improvement of a direct carbon solid oxide fuel cell through integrating an Otto heat engine. <i>Energy Conversion and Management</i> , 2018, 165, 761-770.  | 4.4  | 33        |
| 88 | Syngas/power cogeneration from proton conducting solid oxide fuel cells assisted by dry methane reforming: A thermal-electrochemical modelling study. <i>Energy Conversion and Management</i> , 2018, 167, 37-44.                            | 4.4  | 44        |
| 89 | Modeling of all porous solid oxide fuel cells. <i>Applied Energy</i> , 2018, 219, 105-113.   | 5.1  | 84        |
| 90 | Performance analyzes of an integrated phosphoric acid fuel cell and thermoelectric device system for power and cooling cogeneration. <i>International Journal of Refrigeration</i> , 2018, 89, 61-69.  | 1.8  | 59        |

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|-----|---|------|-----------|
| 91  | Integration of Zn <sup>2+</sup> /Ag and Zn <sup>2+</sup> /Air Batteries: A Hybrid Battery with the Advantages of Both. ACS Applied Materials & Interfaces, 2018, 10, 36873-36881.   | 4.0  | 70        |
| 92  | Growth of Al and Co co-doped NiO nanosheets on carbon cloth as the air electrode for Zn-air batteries with high cycling stability. Electrochimica Acta, 2018, 290, 21-29.   | 2.6  | 29        |
| 93  | Efficiency evaluation of a coal-fired power plant integrated with chilled ammonia process using an absorption refrigerator. Applied Energy, 2018, 230, 267-276.   | 5.1  | 21        |
| 94  | Nanoporous NiO/Ni(OH) <sub>2</sub> Plates Incorporated with Carbon Nanotubes as Active Materials of Rechargeable Hybrid Zinc Batteries for Improved Energy Efficiency and High-Rate Capability. Journal of the Electrochemical Society, 2018, 165, A2119-A2126. | 1.3  | 35        |
| 95  | Investigation on the electrode design of hybrid Zn-Co <sub>3</sub> O <sub>4</sub> /air batteries for performance improvements. Electrochimica Acta, 2018, 283, 1028-1036.   | 2.6  | 42        |
| 96  | Numerical modeling of a cogeneration system based on a direct carbon solid oxide fuel cell and a thermophotovoltaic cell. Energy Conversion and Management, 2018, 171, 279-286.   | 4.4  | 14        |
| 97  | A feasible way to handle the heat management of direct carbon solid oxide fuel cells. Applied Energy, 2018, 226, 881-890.   | 5.1  | 25        |
| 98  | Two-stage thermoelectric generators for waste heat recovery from solid oxide fuel cells. Energy, 2017, 132, 280-288.  | 4.5  | 86        |
| 99  | A novel design of solid oxide electrolyser integrated with magnesium hydride bed for hydrogen generation and storage – A dynamic simulation study. Applied Energy, 2017, 200, 260-272.  | 5.1  | 22        |
| 100 | Modeling of direct carbon solid oxide fuel cells with H <sub>2</sub> O and CO <sub>2</sub> as gasification agents. International Journal of Hydrogen Energy, 2017, 42, 15641-15651.   | 3.8  | 48        |
| 101 | The thermal effect in direct carbon solid oxide fuel cells. Applied Thermal Engineering, 2017, 118, 652-662.  | 3.0  | 36        |
| 102 | Modelling of SOEC-FT reactor: Pressure effects on methanation process. Applied Energy, 2017, 185, 814-824.  | 5.1  | 66        |
| 103 | Performance improvement of a direct carbon solid oxide fuel cell system by combining with a Stirling cycle. Energy, 2017, 140, 979-987.   | 4.5  | 37        |
| 104 | Flexible Zn <sup>2+</sup> and Li <sup>+</sup> air batteries: recent advances, challenges, and future perspectives. Energy and Environmental Science, 2017, 10, 2056-2080.   | 15.6 | 477       |
| 105 | Application of cascading thermoelectric generator and cooler for waste heat recovery from solid oxide fuel cells. Energy Conversion and Management, 2017, 148, 1382-1390.   | 4.4  | 148       |
| 106 | Performance assessment of an integrated molten carbonate fuel cell-thermoelectric devices hybrid system for combined power and cooling purposes. International Journal of Hydrogen Energy, 2017, 42, 30156-30165.   | 3.8  | 33        |
| 107 | Modelling of finger-like channelled anode support for SOFCs application. Science Bulletin, 2016, 61, 1324-1332.   | 4.3  | 29        |
| 108 | Modeling of CH <sub>4</sub> -assisted SOEC for H <sub>2</sub> O/CO <sub>2</sub> co-electrolysis. International Journal of Hydrogen Energy, 2016, 41, 21839-21849.   | 3.8  | 65        |

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|-----|---|-----|-----------|
| 109 | Modelling of One-Step Methanation Process Combining SOECs and Fischer-Tropsch-like Reactor. Journal of the Electrochemical Society, 2016, 163, F3001-F3008.   | 1.3 | 27        |
| 110 | Performance assessment of a hybrid system integrating a molten carbonate fuel cell and a thermoelectric generator. Energy, 2016, 112, 520-527.  | 4.5 | 70        |
| 111 | Thermodynamic analysis and performance optimization of solid oxide fuel cell and refrigerator hybrid system based on H <sub>2</sub> and CO. Applied Thermal Engineering, 2016, 108, 347-352.                        | 3.0 | 13        |
| 112 | Modeling of direct carbon solid oxide fuel cell for CO and electricity cogeneration. Applied Energy, 2016, 178, 353-362.  | 5.1 | 77        |
| 113 | Thermodynamic assessment of an integrated molten carbonate fuel cell and absorption refrigerator hybrid system for combined power and cooling applications. International Journal of Refrigeration, 2016, 70, 1-12. | 1.8 | 28        |
| 114 | Modeling of Direct Carbon-Assisted Solid Oxide Electrolysis Cell (SOEC) for Syngas Production at Two Different Electrodes. Journal of the Electrochemical Society, 2016, 163, F3029-F3035.                          | 1.3 | 33        |
| 115 | Parametric study of a hybrid system integrating a phosphoric acid fuel cell with an absorption refrigerator for cooling purposes. International Journal of Hydrogen Energy, 2016, 41, 3579-3590.                    | 3.8 | 49        |
| 116 | Performance characteristics of a direct carbon fuel cell/thermoelectric generator hybrid system. Energy Conversion and Management, 2015, 89, 683-689.   | 4.4 | 99        |
| 117 | Performance analysis of a direct carbon fuel cell with molten carbonate electrolyte. Energy, 2014, 68, 292-300.   | 4.5 | 45        |
| 118 | Performance evaluation of an alkaline fuel cell/thermoelectric generator hybrid system. International Journal of Hydrogen Energy, 2014, 39, 11756-11762.  | 3.8 | 56        |
| 119 | Electrochemical performance characteristics and optimum design strategies of a solid oxide electrolysis cell system for carbon dioxide reduction. International Journal of Hydrogen Energy, 2013, 38, 9609-9618.    | 3.8 | 32        |
| 120 | Performance analysis and parametric study of a solid oxide fuel cell fueled by carbon monoxide. International Journal of Hydrogen Energy, 2013, 38, 16354-16364.  | 3.8 | 32        |
| 121 | Performance analysis and multi-objective optimization of a new molten carbonate fuel cell system. International Journal of Hydrogen Energy, 2011, 36, 4015-4021.  | 3.8 | 68        |