

# Pingying Zeng

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

787  
citations

759055

12  
h-index

1125617

13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

702  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Investigation of oxygen transport membrane reactors for oxy-fuel combustion and carbon capture purposes. Proceedings of the Combustion Institute, 2017, 36, 3969-3976.  | 2.4 | 22        |
| 2  | Flame-assisted fuel cells running methane. International Journal of Hydrogen Energy, 2015, 40, 4659-4665.   | 3.8 | 38        |
| 3  | A Ceramic-Membrane-Based Methane Combustion Reactor With Tailored Function of Simultaneous Separation of Carbon Dioxide From Nitrogen. , 2014, , .  |     | 0         |
| 4  | A Ceramic-Membrane-Based Methane Combustion Reactor With Tailored Function of Simultaneous Separation of Carbon Dioxide From Nitrogen. , 2014, , .  |     | 0         |
| 5  | A self-sustaining thermal transpiration gas pump and SOFC power generation system. Proceedings of the Combustion Institute, 2013, 34, 3327-3334.  | 2.4 | 12        |
| 6  | Thermal Transpiration Based Pumping and Power Generation Devices. Journal of Thermal Science and Technology, 2013, 8, 370-379.  | 0.6 | 13        |
| 7  | Performance Investigation of YSZ-SDC Solid Oxide Fuel Cells. , 2012, , .  |     | 2         |
| 8  | Evaluation of methane-based flame fuel cell using anode supported solid oxide fuel cells. , 2011, , .   |     | 0         |
| 9  | Methane-Based Flame Fuel Cell Using Anode Supported Solid Oxide Fuel Cells. , 2011, , .   |     | 1         |
| 10 | Non-Propulsive Miniature Power Device Based on SOFC and Combustion-Driven Thermal Transpiration Pump. , 2011, , .   |     | 0         |
| 11 | Methane-Based Flame Fuel Cell Using Anode Supported Solid Oxide Fuel Cells. , 2011, , .   |     | 0         |
| 12 | High performance direct flame fuel cell using a propane flame. Proceedings of the Combustion Institute, 2011, 33, 3431-3437.  | 2.4 | 51        |
| 13 | Effects of scandium doping concentration on the properties of strontium cobalt oxide membranes. Brazilian Journal of Chemical Engineering, 2009, 26, 563-574.   | 0.7 | 8         |
| 14 | Influence of M cations on structural, thermal and electrical properties of new oxygen selective membranes based on SrCo <sub>0.95</sub> M <sub>0.05</sub> O <sub>3-δ</sub> perovskite. Separation and Purification Technology, 2009, 67, 304-311. | 3.9 | 64        |
| 15 | Efficient stabilization of cubic perovskite SrCo <sub>0.95</sub> Sc <sub>0.05</sub> O <sub>3-δ</sub> by B-site low concentration scandium doping combined with sol-gel synthesis. Journal of Alloys and Compounds, 2008, 455, 465-470.            | 2.8 | 132       |
| 16 | Novel mixed conducting SrSc <sub>0.05</sub> Co <sub>0.95</sub> O <sub>3-δ</sub> ceramic membrane for oxygen separation. AIChE Journal, 2007, 53, 3116-3124.   | 1.8 | 64        |
| 17 | A dense oxygen separation membrane with a layered morphologic structure. Journal of Membrane Science, 2007, 300, 182-190.   | 4.1 | 34        |
| 18 | High performance electrode for electrochemical oxygen generator cell based on solid electrolyte ion transport membrane. Electrochimica Acta, 2007, 52, 6297-6303.   | 2.6 | 34        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> + LaCoO <sub>3</sub> composite cathode for Sm <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> -electrolyte based intermediate-temperature solid-oxide fuel cells. Journal of Power Sources, 2007, 168, 330-337. | 4.0 | 86        |
| 20 | Re-evaluation of Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> perovskite as oxygen semi-permeable membrane. Journal of Membrane Science, 2007, 291, 148-156.   | 4.1 | 226       |