

# Pingying Zeng

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

787  
citations

759233

12  
h-index

1125743

13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

702  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                                                   | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | 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-δ</sub> perovskite as oxygen semi-permeable membrane. Journal of Membrane Science, 2007, 291, 148-156.                                                                                                  | 8.2 | 226       |
| 2  | Efficient stabilization of cubic perovskite SrCoO <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.                                                                                                        | 5.5 | 132       |
| 3  | Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-δ</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. | 7.8 | 86        |
| 4  | 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.                                                                                                                                               | 3.6 | 64        |
| 5  | 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.                                                         | 7.9 | 64        |
| 6  | High performance direct flame fuel cell using a propane flame. Proceedings of the Combustion Institute, 2011, 33, 3431-3437.                                                                                                                                                                              | 3.9 | 51        |
| 7  | Flame-assisted fuel cells running methane. International Journal of Hydrogen Energy, 2015, 40, 4659-4665.                                                                                                                                                                                                 | 7.1 | 38        |
| 8  | A dense oxygen separation membrane with a layered morphologic structure. Journal of Membrane Science, 2007, 300, 182-190.                                                                                                                                                                                 | 8.2 | 34        |
| 9  | High performance electrode for electrochemical oxygen generator cell based on solid electrolyte ion transport membrane. Electrochimica Acta, 2007, 52, 6297-6303.                                                                                                                                         | 5.2 | 34        |
| 10 | Investigation of oxygen transport membrane reactors for oxy-fuel combustion and carbon capture purposes. Proceedings of the Combustion Institute, 2017, 36, 3969-3976.                                                                                                                                    | 3.9 | 22        |
| 11 | Thermal Transpiration Based Pumping and Power Generation Devices. Journal of Thermal Science and Technology, 2013, 8, 370-379.                                                                                                                                                                            | 1.1 | 13        |
| 12 | A self-sustaining thermal transpiration gas pump and SOFC power generation system. Proceedings of the Combustion Institute, 2013, 34, 3327-3334.                                                                                                                                                          | 3.9 | 12        |
| 13 | Effects of scandium doping concentration on the properties of strontium cobalt oxide membranes. Brazilian Journal of Chemical Engineering, 2009, 26, 563-574.                                                                                                                                             | 1.3 | 8         |
| 14 | Performance Investigation of YSZ-SDC Solid Oxide Fuel Cells. , 2012, , .                                                                                                                                                                                                                                  |     | 2         |
| 15 | Methane-Based Flame Fuel Cell Using Anode Supported Solid Oxide Fuel Cells. , 2011, , .                                                                                                                                                                                                                   |     | 1         |
| 16 | Evaluation of methane-based flame fuel cell using anode supported solid oxide fuel cells. , 2011, , .                                                                                                                                                                                                     |     | 0         |
| 17 | Non-Propulsive Miniature Power Device Based on SOFC and Combustion-Driven Thermal Transpiration Pump. , 2011, , .                                                                                                                                                                                         |     | 0         |
| 18 | Methane-Based Flame Fuel Cell Using Anode Supported Solid Oxide Fuel Cells. , 2011, , .                                                                                                                                                                                                                   |     | 0         |

| #  | ARTICLE                                                                                                                                            | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------|
| 19 | A Ceramic-Membrane-Based Methane Combustion Reactor With Tailored Function of Simultaneous Separation of Carbon Dioxide From Nitrogen. , 2014, , . |    | 0         |
| 20 | A Ceramic-Membrane-Based Methane Combustion Reactor With Tailored Function of Simultaneous Separation of Carbon Dioxide From Nitrogen. , 2014, , . |    | 0         |