

# Pingying Zeng

## List of Publications by Year in descending order

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20  
papers

787  
citations

759055

12  
h-index

1125617

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g-index

20  
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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.	4.1	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.	2.8	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.	4.0	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.	1.8	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.	3.9	64
6	High performance direct flame fuel cell using a propane flame. Proceedings of the Combustion Institute, 2011, 33, 3431-3437.	2.4	51
7	Flame-assisted fuel cells running methane. International Journal of Hydrogen Energy, 2015, 40, 4659-4665.	3.8	38
8	A dense oxygen separation membrane with a layered morphologic structure. Journal of Membrane Science, 2007, 300, 182-190.	4.1	34
9	High performance electrode for electrochemical oxygen generator cell based on solid electrolyte ion transport membrane. Electrochimica Acta, 2007, 52, 6297-6303.	2.6	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.	2.4	22
11	Thermal Transpiration Based Pumping and Power Generation Devices. Journal of Thermal Science and Technology, 2013, 8, 370-379.	0.6	13
12	A self-sustaining thermal transpiration gas pump and SOFC power generation system. Proceedings of the Combustion Institute, 2013, 34, 3327-3334.	2.4	12
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	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