

# Yang Zhang

## List of Publications by Year in descending order

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25  
papers

1,798  
citations

471509

17  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2698  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced oxygen reduction kinetics of IT-SOFC cathode with $\text{PrBaCo}_{2-x}\text{O}_{5+\delta}/\text{Gd}_{0.1}\text{Ce}_{1.9}\text{O}_{2\delta}$ coherent interface. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3495-3505.	10.3	56
2	Enhanced performance and durability of lanthanum strontium cobalt ferrite by in-situ solvothermal modification. <i>Journal of the European Ceramic Society</i> , 2022, 42, 5008-5014.	5.7	2
3	Electrochemical performance and structural durability of Mg-doped $\text{SmBaMn}_2\text{O}_5$ layered perovskite electrode for symmetrical solid oxide fuel cell. <i>Catalysis Today</i> , 2021, 364, 80-88.	4.4	14
4	Micro/Nano $\text{Na}_3\text{V}_2(\text{PO}_4)_3/\text{N-Doped Carbon Composites}$ with a Hierarchical Porous Structure for High-Rate Pouch-Type Sodium-Ion Full-Cell Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8445-8454.	8.0	51
5	Nanosheets assembled layered MXene/MoSe <sub>2</sub> nanohybrid positive electrode materials for high-performance asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2021, 40, 102721.	8.1	26
6	Medium-Entropy perovskites $\text{Sr}(\text{Fe}_{1-x}\text{Ti}_x\text{Co}_y\text{Mn}_{1-y})\text{O}_3$ - as promising cathodes for intermediate temperature solid oxide fuel cell. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120264.	20.2	77
7	Unveiling the Interface Structure of the Exsolved Co-Fe Alloy Nanoparticles from Double Perovskite and Its Application in Solid Oxide Fuel Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3287-3294.	8.0	8
8	A $\text{SmBaCo}_{2-x}\text{O}_{5+\delta}$ double perovskite with epitaxially grown $\text{Sm}_{0.2}\text{Ce}_{0.8}\text{O}_{2\delta}$ nanoparticles as a promising cathode for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14162-14170.	10.3	25
9	Unveiling the roles of alumina as a sintering aid in $\text{Li-Garnet}$ solid electrolyte. <i>International Journal of Energy Research</i> , 2020, 44, 9177-9184.	4.5	17
10	$\text{La}_x\text{Pr}_{4-x}\text{Ni}_3\text{O}_{10}$ : Mixed A-Site Cation Higher-Order Ruddlesden-Popper Phase Materials as Intermediate-Temperature Solid Oxide Fuel Cell Cathodes. <i>Crystals</i> , 2020, 10, 428.	2.2	10
11	Citrate-nitrate gel combustion synthesis of micro/nanostructured $\text{SiO}_x/\text{C}$ composite as high-performance lithium-ion battery anode. <i>Solid State Ionics</i> , 2019, 340, 115024.	2.7	10
12	Mn-rich $\text{SmBaCo}_{0.5}\text{Mn}_{1.5}\text{O}_{5+\delta}$ double perovskite cathode material for SOFCs. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27587-27599.	7.1	18
13	High-Performance $\text{SmBaMn}_2\text{O}_{5+\delta}$ Electrode for Symmetrical Solid Oxide Fuel Cell. <i>Chemistry of Materials</i> , 2019, 31, 3784-3793.	6.7	88
14	Performance and stability of $\text{SrCo}_{0.9}\text{Nb}_{0.1}\text{O}_{3-\delta}(\text{La}_{0.60}\text{Sr}_{0.40})_{0.95}(\text{Co}_{0.20}\text{Fe}_{0.80})\text{O}_{3-\delta}$ bilayer cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2019, 414, 24-30.	7.8	8
15	Exceptionally High Performance Anode Material Based on Lattice Structure Decorated Double Perovskite $\text{Sr}_2\text{FeMo}_{2/3}\text{Mg}_{1/3}\text{O}_{6\delta}$ for Solid Oxide Fuel Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1800062.	19.5	62
16	Watermelon-Like Structured $\text{SiO}_x/\text{TiO}_2/\text{C}$ Nanocomposite as a High-Performance Lithium-Ion Battery Anode. <i>Advanced Functional Materials</i> , 2018, 28, 1605711.	14.9	175
17	MoS <sub>2</sub> nanosheets vertically grown on reduced graphene oxide via oxygen bonds with carbon coating as ultrafast sodium ion batteries anodes. <i>Carbon</i> , 2017, 119, 91-100.	10.3	120
18	Effective Ca-doping in $\text{Y}_{1-x}\text{Ca}_x\text{BaCo}_{2-x}\text{O}_{5+\delta}$ cathode materials for intermediate temperature solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25641-25651.	10.3	29

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19	Effect of anode calcination on the performance and redox stability of low-temperature solid oxide fuel cells prepared via impregnation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30760-30768.	7.1	6
20	MoS <sub>2</sub> Nanosheets Vertically Grown on Graphene Sheets for Lithium-Ion Battery Anodes. <i>ACS Nano</i> , 2016, 10, 8526-8535.	14.6	447
21	High-Performance Anode Material Sr <sub>2</sub> FeMo <sub>0.65</sub> Ni <sub>0.35</sub> O <sub>6</sub> with <i>In Situ</i> Exsolved Nanoparticle Catalyst. <i>ACS Nano</i> , 2016, 10, 8660-8669.	14.6	287
22	Revealing Rate Limitations in Nanocrystalline Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Anodes for High-Power Lithium Ion Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600003.	3.7	21
23	Optimization of strontium molybdate based composite anode for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2015, 274, 568-574.	7.8	26
24	Polymer-stabilized nanoparticle-enriched blue phase liquid crystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6526.	5.5	75
25	Hysteresis-Free Blue Phase Liquid Crystal Stabilized by ZnS Nanoparticles. <i>Small</i> , 2012, 8, 2189-2193.	10.0	140