

Yang Zhang

List of Publications by Year in descending order

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25
papers

1,798
citations

471509

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580821

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docs citations

25
times ranked

2698
citing authors

#	ARTICLE	IF	CITATIONS
1	MoS ₂ Nanosheets Vertically Grown on Graphene Sheets for Lithium-Ion Battery Anodes. ACS Nano, 2016, 10, 8526-8535.	14.6	447
2	High-Performance Anode Material Sr ₂ FeMo _{0.65} Ni _{0.35} O ₆ with In Situ Exsolved Nanoparticle Catalyst. ACS Nano, 2016, 10, 8660-8669.	14.6	287
3	Watermelon-Like Structured SiO _x /TiO ₂ @C Nanocomposite as a High-Performance Lithium-Ion Battery Anode. Advanced Functional Materials, 2018, 28, 1605711.	14.9	175
4	Hysteresis-Free Blue Phase Liquid Crystal Stabilized by ZnS Nanoparticles. Small, 2012, 8, 2189-2193.	10.0	140
5	MoS ₂ nanosheets vertically grown on reduced graphene oxide via oxygen bonds with carbon coating as ultrafast sodium ion batteries anodes. Carbon, 2017, 119, 91-100.	10.3	120
6	High-Performance SmBaMn ₂ O ₅ Electrode for Symmetrical Solid Oxide Fuel Cell. Chemistry of Materials, 2019, 31, 3784-3793.	6.7	88
7	Medium-Entropy perovskites Sr(Fe _{1-x} Ti _x Co _{1/3} Mn _{1/3})O ₃ as promising cathodes for intermediate temperature solid oxide fuel cell. Applied Catalysis B: Environmental, 2021, 295, 120264.	20.2	77
8	Polymer-stabilized nanoparticle-enriched blue phase liquid crystals. Journal of Materials Chemistry C, 2013, 1, 6526.	5.5	75
9	Exceptionally High Performance Anode Material Based on Lattice Structure Decorated Double Perovskite Sr ₂ FeMo _{2/3} Mg _{1/3} O ₆ for Solid Oxide Fuel Cells. Advanced Energy Materials, 2018, 8, 1800062.	19.5	62
10	Enhanced oxygen reduction kinetics of IT-SOFC cathode with PrBaCo ₂ O ₅ /Gd _{0.1} Ce _{1.9} O ₂ coherent interface. Journal of Materials Chemistry A, 2022, 10, 3495-3505.	10.3	56
11	Micro/Nano Na ₃ V ₂ (PO ₄) ₃ /N-Doped Carbon Composites with a Hierarchical Porous Structure for High-Rate Pouch-Type Sodium-Ion Full-Cell Performance. ACS Applied Materials & Interfaces, 2021, 13, 8445-8454.	8.0	51
12	Effective Ca-doping in Y _{1-x} Ca _x BaCo ₂ O ₅ cathode materials for intermediate temperature solid oxide fuel cells. Journal of Materials Chemistry A, 2017, 5, 25641-25651.	10.3	29
13	Optimization of strontium molybdate based composite anode for solid oxide fuel cells. Journal of Power Sources, 2015, 274, 568-574.	7.8	26
14	Nanosheets assembled layered MXene/MoSe ₂ nanohybrid positive electrode materials for high-performance asymmetric supercapacitors. Journal of Energy Storage, 2021, 40, 102721.	8.1	26
15	A SmBaCo ₂ O ₅ double perovskite with epitaxially grown Sm _{0.2} Ce _{0.8} O ₂ nanoparticles as a promising cathode for solid oxide fuel cells. Journal of Materials Chemistry A, 2020, 8, 14162-14170.	10.3	25
16	Revealing Rate Limitations in Nanocrystalline Li ₄ Ti ₅ O ₁₂ Anodes for High-Power Lithium Ion Batteries. Advanced Materials Interfaces, 2016, 3, 1600003.	3.7	21
17	Mn-rich SmBaCo _{0.5} Mn _{1.5} O ₅ double perovskite cathode material for SOFCs. International Journal of Hydrogen Energy, 2019, 44, 27587-27599.	7.1	18
18	Unveiling the roles of alumina as a sintering aid in Li-Carnet solid electrolyte. International Journal of Energy Research, 2020, 44, 9177-9184.	4.5	17

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19	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
20	Citrate-nitrate gel combustion synthesis of micro/nanostructured SiO_x/C composite as high-performance lithium-ion battery anode. <i>Solid State Ionics</i> , 2019, 340, 115024.	2.7	10
21	$\text{La}_x\text{Pr}_{4-x}\text{Ni}_3\text{O}_{10}$: 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
22	Performance and stability of $\text{SrCo}_{0.9}\text{Nb}_{0.1}\text{O}_{3-\delta}$ -($\text{La}_{0.6}\text{Sr}_{0.4}$) $_{0.95}(\text{Co}_{0.2}\text{Fe}_{0.8})\text{O}_{3-\delta}$ bilayer cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2019, 414, 24-30.	7.8	8
23	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 & Interfaces</i> , 2021, 13, 3287-3294.	8.0	8
24	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
25	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