Yufei Song

List of Publications by Year
in descending order

30	1,765	361413	501196
papers	citations	20 h-index	28 g-index

30	30	30	1038
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-Assembled Triple-Conducting Nanocomposite as a Superior Protonic Ceramic Fuel Cell Cathode. Joule, 2019, 3, 2842-2853.	24.0	292
2	Designing Highâ€Valence Metal Sites for Electrochemical Water Splitting. Advanced Functional Materials, 2021, 31, 2009779.	14.9	195
3	Toward Reducing the Operation Temperature of Solid Oxide Fuel Cells: Our Past 15 Years of Efforts in Cathode Development. Energy & Fuels, 2020, 34, 15169-15194.	5.1	152
4	New reduced-temperature ceramic fuel cells with dual-ion conducting electrolyte and triple-conducting double perovskite cathode. Journal of Materials Chemistry A, 2019, 7, 13265-13274.	10.3	125
5	A Cobaltâ€Free Multiâ€Phase Nanocomposite as Nearâ€Ideal Cathode of Intermediateâ€Temperature Solid Oxide Fuel Cells Developed by Smart Selfâ€Assembly. Advanced Materials, 2020, 32, e1906979.	21.0	113
6	Boosting the Activity of BaCo_{0.4}Fe_{0.4}Zr_{0.1}Y_{0.1}O_{3â^'}_{Î´} Perovskite for Oxygen Reduction Reactions at Lowâ€toâ€Intermediate Temperatures through Tuning Bâ€Site Cation Deficiency. Advanced Energy Materials, 2019, 9, 1902384.	19.5	111
7	A New Durable Surface Nanoparticlesâ€Modified Perovskite Cathode for Protonic Ceramic Fuel Cells from Selective Cation Exsolution under Oxidizing Atmosphere. Advanced Materials, 2022, 34, e2106379.	21.0	79
8	Rational Design of a Waterâ€Storable Hierarchical Architecture Decorated with Amorphous Barium Oxide and Nickel Nanoparticles as a Solid Oxide Fuel Cell Anode with Excellent Sulfur Tolerance. Advanced Science, 2017, 4, 1700337.	11.2	74
9	Monoclinic SrIrO₃: An Easily Synthesized Conductive Perovskite Oxide with Outstanding Performance for Overall Water Splitting in Alkaline Solution. Chemistry of Materials, 2020, 32, 4509-4517.	6.7	72
10	Nanocomposites: A New Opportunity for Developing Highly Active and Durable Bifunctional Air Electrodes for Reversible Protonic Ceramic Cells. Advanced Energy Materials, 2021, 11, 2101899.	19.5	70
11	The BaCe_{0.16}Y_{0.04}Fe_{0.8}O_{3â^'Î´} nanocomposite: a new high-performance cobalt-free triple-conducting cathode for protonic ceramic fuel cells operating at reduced temperatures. Journal of Materials Chemistry A, 2022, 10, 5381-5390.	10.3	69
12	Infiltrated NiCo Alloy Nanoparticle Decorated Perovskite Oxide: A Highly Active, Stable, and Antisintering Anode for Directâ€Ammonia Solid Oxide Fuel Cells. Small, 2020, 16, e2001859.	10.0	53
13	SrCo0.8Ti0.1Ta0.1O3-Î´ perovskite: A new highly active and durable cathode material for intermediate-temperature solid oxide fuel cells. Composites Part B: Engineering, 2021, 213, 108726.	12.0	40
14	Advances in Ceramic Thin Films Fabricated by Pulsed Laser Deposition for Intermediate-Temperature Solid Oxide Fuel Cells. Energy & Fuels, 2020, 34, 10568-10582.	5.1	37
15	Exsolved Alloy Nanoparticles Decorated Ruddlesdenâ€“Popper Perovskite as Sulfur-Tolerant Anodes for Solid Oxide Fuel Cells. Energy & Fuels, 2020, 34, 11449-11457.	5.1	32
16	A high performance composite cathode with enhanced CO2 resistance for low and intermediate-temperature solid oxide fuel cells. Journal of Power Sources, 2018, 405, 124-131.	7.8	31
17	A new highly active and CO2-stable perovskite-type cathode material for solid oxide fuel cells developed from A- and B-site cation synergy. Journal of Power Sources, 2020, 457, 227995.	7.8	30
18	Realizing High and Stable Electrocatalytic Oxygen Evolution for Ironâ€Based Perovskites by Coâ€Dopingâ€Induced Structural and Electronic Modulation. Advanced Functional Materials, 2022, 32, .	14.9	28

#	Article	IF	Citations
19	Realizing Simultaneous Detrimental Reactions Suppression and Multiple Benefits Generation from Nickel Doping toward Improved Protonic Ceramic Fuel Cell Performance. Small, 2022, 18, e2200450.	10.0	25
20	Slightly ruthenium doping enables better alloy nanoparticle exsolution of perovskite anode for high-performance direct-ammonia solid oxide fuel cells. Journal of Materials Science and Technology, 2022, 125, 51-58.	10.7	22
21	Realizing stable high hydrogen permeation flux through BaCo0.4Fe0.4Zr0.1Y0.1O3-Î´ membrane using a thin Pd film protection strategy. Journal of Membrane Science, 2020, 596, 117709.	8.2	21
22	A molecular-level strategy to boost the mass transport of perovskite electrocatalyst for enhanced oxygen evolution. Applied Physics Reviews, 2021, 8, .	11.3	20
23	Turning Detrimental Effect into Benefits: Enhanced Oxygen Reduction Reaction Activity of Cobalt-Free Perovskites at Intermediate Temperature via CO₂-Induced Surface Activation. ACS Applied Materials & Interfaces, 2020, 12, 16417-16425.	8.0	19
24	Protonic ceramic materials for clean and sustainable energy: advantages and challenges. International Materials Reviews, 2023, 68, 272-300.	19.3	16
25	Alkaline metal doped strontium cobalt ferrite perovskites as cathodes for intermediate-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2018, 43, 13420-13429.	7.1	14
26	Effect of engineered lattice contraction and expansion on the performance and CO2 tolerance of Ba0.5Sr0.5Co0.7Fe0.3O3-Î´ functional material for intermediate temperature solid oxide fuel cells. Ceramics International, 2022, 48, 21416-21427.	4.8	11
27	Rational Design of Perovskite-Based Anode with Decent Activity for Hydrogen Electro-Oxidation and Beneficial Effect of Sulfur for Promoting Power Generation in Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2018, 10, 41257-41267.	8.0	8
28	A New Sodium-ion-conducting Layered Perovskite Oxide as Highly Active and Sulfur Tolerant Electrocatalyst for Solid Oxide Fuel Cells. Energy Procedia, 2019, 158, 1660-1665.	1.8	4
29	Functionalized Metalâ€Supported Reversible Protonic Ceramic Cells with Exceptional Performance and Durability. Advanced Energy and Sustainability Research, 0, , 2100171.	5.8	2
30	Fuel Cells: Infiltrated NiCo Alloy Nanoparticle Decorated Perovskite Oxide: A Highly Active, Stable, and Antisintering Anode for Directâ€Ammonia Solid Oxide Fuel Cells (Small 28/2020). Small, 2020, 16, 2070154.	10.0	0