List of Publications by Year in descending order

493 papers	46,398 citations	1616 104 h-index	2909 187 g-index
518 all docs	518 docs citations	518 times ranked	26829 citing authors

#	Article	IF	Citations
1	Undoped ruthenium oxide as a stable catalyst for the acidic oxygen evolution reaction. Nature Communications, 2025, 16, .	14.2	31
2	New Strategy for Boosting Cathodic Performance of Protonic Ceramic Fuel Cells Through Incorporating a Superior Hydronation Second Phase. Energy and Environmental Materials, 2024, 7, .	13.9	40
3	Highly Active Nanocomposite Air Electrode with Fast Proton Diffusion Channels via Er Dopingâ€Induced Phase Separation for Reversible Proton Ceramic Electrochemical Cells. Advanced Functional Materials, 2024, 34, .	16.9	35
4	Carbon-based electrocatalysts for rechargeable Znâ€“air batteries: design concepts, recent progress and future perspectives. Energy and Environmental Science, 2024, 17, 386-424.	30.6	131
5	Ammonia synthesis via a protonic ceramic electrolysis cell (PCEC) using LaCu_{0.1}Fe_{0.9}O_{3â^'Î´} catalyst. Journal of Materials Chemistry A, 2024, 12, 1200-1210.	9.3	13
6	Nanotechnologies in ceramic electrochemical cells. Chemical Society Reviews, 2024, 53, 450-501.	38.2	61
7	Hydration deactivation mechanism of the ã€ˆ100ã€‰ oriented cuprous oxide photocathodes in solar water splitting and the regenerated three-dimensional structure. Physical Chemistry Chemical Physics, 2024, 26, 1625-1629.	2.8	0
8	Minireview on the Electrocatalytic Ammonia Oxidation Reaction for Hydrogen Production and Sewage Treatment. Energy & Fuels, 2024, 38, 919-931.	5.3	29
9	Complex Metal Oxides as Emerging Inorganic Holeâ€Transporting Materials for Perovskite Solar Cells. Small, 2024, 20, .	11.5	15
10	Synergistic dual-phase air electrode enables high and durable performance of reversible proton ceramic electrochemical cells. Nature Communications, 2024, 15, .	14.2	105
11	Leadâ€Free Allâ€Inorganic Cesium Bismuth Iodideâ€Based Perovskite Solar Cells: Recent Advances, Current Limitations, and Future Prospects. Solar Rrl, 2024, 8, .	4.7	19
12	Flexible silicon solar cells with high power-to-weight ratios. Nature, 2024, 626, 105-110.	34.3	208
13	Hydration deactivation mechanism of the ã€ˆ100ã€‰ oriented cuprous oxide photocathodes in solar water splitting and the regenerated three-dimensional structure. Physical Chemistry Chemical Physics, 2024, 26, 1625-1629.	2.8	1
14	Tuning synergy between nickel and iron in Ruddlesdenâ€“Popper perovskites through controllable crystal dimensionalities towards enhanced oxygenâ€evolving activity and stability. , 2024, 6, .		48
15	Spontaneous Growth of Perovskiteâ€Derived Oxide over Double Perovskite Surface for Enhancing Cathodic Performance in Protonic Ceramic Fuel Cells. Advanced Energy Materials, 2024, 14, .	22.4	16
16	Simultaneously enhancing the oxygen flux and operational stability of Ba0.5Sr0.5Co0.8Fe0.2O3â€“Î´ membrane via an Ag doping method. Journal of Membrane Science, 2024, 698, 122612.	8.3	8
17	Optimization of two-dimensional solid-state electrolyteâ€“anode interface by integrating zinc into composite anode with dual-conductive phases. Green Carbon, 2024, 2, 94-100.	13.5	50
18	Self-optimized and stable nanocomposites via one-pot synthesis for high-temperature CO2 electrolysis in solid oxide electrolysis cells. Journal of Power Sources, 2024, 602, 234277.	8.1	15

#	Article	IF	Citations
19	Screening Spinel Oxide Supports for RuO₂ to Boost Bifunctional Electrocatalysts for Advanced Znâ€“Air Batteries. Advanced Functional Materials, 2024, 34, .	16.9	48
20	New Understanding and Improvement in Sintering Behavior of Ceriumâ€Rich Perovskiteâ€Type Protonic Electrolytes. Advanced Functional Materials, 2024, 34, .	16.9	15
21	Development of Nanostructured Lanthanum Strontium Cobalt Ferrite/Gadolinian-Doped Ceria Composite Electrodes of Solid Oxide Cells Formed by In Situ Polarization. ACS Applied Materials & Interfaces, 2024, 16, 21818-21827.	8.1	4
22	A bi-functional air electrode developed from a dual-MOF strategy for high-performance zincâ€“air batteries. EES Catalysis, 2024, 2, 968-979.	7.4	3
23	Fuel cells: Materials needs and advances. MRS Bulletin, 2024, 49, 451-463.	4.4	23
24	First observation of electrode-correlated protonic conductivity of perovskite-type electrolytes and way towards optimization. Energy and Environmental Science, 2024, 17, 4115-4125.	30.6	17
25	Surface Reconstruction of La₂CuO₄ during the Electrochemical Reduction of Carbon Dioxide to Ethylene and Its Benefits for Enhanced Performance. ACS Applied Materials & Interfaces, 2024, 16, 31036-31044.	8.1	8
26	Crystal structure optimization of copper oxides for the benzyl alcohol oxidation reaction. Chemical Communications, 2024, 60, 7224-7227.	4.2	6
27	New Nanocomposites Derived from Cation-Nonstoichiometric Ba_x(Co, Fe, Zr,) Tj ETQq1 1 0.784314 rgBT /Overlock 2985-2994.		50
28	Heterostructure boosts a noble-metal-free oxygen-evolving electrocatalyst in acid. Energy and Environmental Science, 2024, 17, 5972-5983.	30.6	23
29	Robust Cathode for Efficient CO₂ Electrolysis Driven by Entropy Engineering in Solid Oxide Electrolysis Cells. ACS Energy Letters, 2024, 9, 3818-3827.	17.5	28
30	In Situ Exsolved CoFeRu Alloy Decorated Perovskite as An Anode Catalyst Layer for Highâ€Performance Directâ€Ammonia Protonic Ceramic Fuel Cells. Advanced Functional Materials, 2024, 34, .	16.9	13
31	Grain boundary engineering: An emerging pathway toward efficient electrocatalysis. InformaÄnÃ-MateriÃ¡ly, 2024, 6, .	21.1	83
32	From Liâ€“O₂ to Liâ€“Air Batteries: Challenges and Progress on Oxygen-Permeable Membranes. Energy & Fuels, 2024, 38, 15001-15024.	5.3	9
33	Perovskite oxides as electrocatalysts for water electrolysis: From crystalline to amorphous. , 2024, 6, .		44
34	A dynamically stable self-assembled CoFe (oxy)hydroxide-based nanocatalyst with boosted electrocatalytic performance for the oxygen-evolution reaction. Journal of Materials Chemistry A, 2024, 12, 24308-24317.	9.3	9
35	Synergistic Bulk and Surface Engineering for Expeditious and Durable Reversible Protonic Ceramic Electrochemical Cells Air Electrode. Advanced Materials, 2024, 36, .	24.4	41
36	Performance deviation analysis and reliability improvement during experimental development of lab-scale solid oxide single cells. Energy and Environmental Science, 2024, 17, 6873-6896.	30.6	15

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37	A semi-vapor electrolysis technology for hydrogen generation from wide water resources. Energy and Environmental Science, 2024, 17, 7394-7402.	30.6	12
38	Strategic cation exchange induced 2D nickel sulphide nanoplates with enhanced oxygen evolution reaction performance. Journal of Materials Chemistry A, 2024, 12, 27364-27372.	9.3	10
39	Deciphering the Nitrogen Activation Mechanisms on Group VIII Single Atoms at MoS₂. Inorganic Chemistry, 2024, 63, 19570-19581.	4.6	5
40	Deciphering Surface Ligand Density of Colloidal Semiconductor Nanocrystals: Shape Matters. Journal of the American Chemical Society, 2024, 146, 29104-29114.	15.7	11
41	A potential well effect for efficient oxygen reduction and corrosion resistance under the operating temperature conditions of PEMFCs. Journal of Materials Chemistry A, 2024, 12, 31214-31222.	9.3	1
42	Prediction of perovskite oxygen vacancies for oxygen electrocatalysis at different temperatures. Nature Communications, 2024, 15, .	14.2	49
43	A Complex Oxide Containing Inherent Peroxide Ions for Catalyzing Oxygen Evolution Reactions in Acid. Journal of the American Chemical Society, 2024, 146, 33663-33674.	15.7	25
44	Design of HT-PEMFC Devices. , 2024, , 155-197.		0
45	Electrochemical Water Splitting: Bridging the Gaps Between Fundamental Research and Industrial Applications. Energy and Environmental Materials, 2023, 6, .	13.9	412
46	Charge Carriers for Aqueous Dualâ€ion Batteries. ChemSusChem, 2023, 16, .	6.3	7
47	In operandoâ€formed interface between silver and perovskite oxide for efficient electroreduction of carbon dioxide to carbon monoxide. , 2023, 5, .		9
48	In situ formation of selfâ€antistacking FeCoO_x on Nâ€doped graphene: A 3Dâ€onâ€2D nanoarchitecture for longâ€life Znâ€“air batteries. , 2023, 5, .		36
49	Organic ligand-facilitatedin situexsolution of CoFe alloys over Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3â^'Î´}perovskite toward enhanced oxygen electrocatalysis for rechargeable Zn-air batteries. Journal of Materials Chemistry A, 2023, 11, 12856-12865.	9.3	24
50	Cathode water management towards improved performance of protonic ceramic fuel cells. Journal of Power Sources, 2023, 556, 232403.	8.1	33
51	Dense Platinum/Nickel Oxide Heterointerfaces with Abundant Oxygen Vacancies Enable Ampereâ€Level Current Density Ultrastable Hydrogen Evolution in Alkaline. Advanced Functional Materials, 2023, 33, .	16.9	58
52	Grafting of Lithiophilic and Electronâ€Blocking Interlayer for Garnetâ€Based Solidâ€State Li Metal Batteries via Oneâ€Step Anhydrous Polyâ€Phosphoric Acid Postâ€Treatment. Advanced Functional Materials, 2023, 33, .	16.9	70
53	Enhanced Proton Conduction with Low Oxygen Vacancy Concentration and Favorable Hydration for Protonic Ceramic Fuel Cells Cathode. ACS Applied Materials & Interfaces, 2023, 15, 1339-1347.	8.1	46
54	Iodide/triiodide redox shuttle-based additives for high-performance perovskite solar cells by simultaneously passivating the cation and anion defects. Nanoscale, 2023, 15, 4344-4352.	5.1	11

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55	Morphology control and electronic tailoring of CoxAy (AÂ=ÂP, S, Se) electrocatalysts for water splitting. Chemical Engineering Journal, 2023, 460, 141674.	11.9	88
56	Single-Atom MnN₅ Catalytic Sites Enable Efficient Peroxymonosulfate Activation by Forming Highly Reactive Mn(IV)â€“Oxo Species. Environmental Science & Technology, 2023, 57, 4266-4275.	11.3	191
57	CO2-induced reconstruction for ORR-enhanced solid oxide fuel cell cathode. Chemical Engineering Journal, 2023, 462, 142216.	11.9	40
58	Ex Situ Reconstruction-Shaped Ir/CoO/Perovskite Heterojunction for Boosted Water Oxidation Reaction. ACS Catalysis, 2023, 13, 5007-5019.	12.7	51
59	Additive Engineering for Mixed Leadâ€“Tin Narrow-Band-Gap Perovskite Solar Cells: Recent Advances and Perspectives. Energy & Fuels, 2023, 37, 6401-6423.	5.3	30
60	Nanoscale Intertwined Biphase Nanofiber as Active and Durable Air Electrode for Solid Oxide Electrochemical Cells. ACS Sustainable Chemistry and Engineering, 2023, 11, 8592-8602.	7.0	19
61	Bismuth doped Sr2Fe1.5Mo0.5O6- double perovskite as a robust fuel electrode in ceramic oxide cells for direct CO2 electrolysis. Journal of Materials Science and Technology, 2023, 164, 160-167.	13.2	53
62	Air Cathode Design for Light-Assisted Charging of Metalâ€“Air Batteries: Recent Advances and Perspectives. Energy & Fuels, 2023, 37, 8902-8918.	5.3	24
63	A Magnetic Binderâ€Linked Air Electrode with Antiâ€Pulverization Behavior for Rechargeable and Recyclable Znâ€Air Batteries. Advanced Functional Materials, 2023, 33, .	16.9	22
64	Engineering the oxygen-evolution activity by changing the A-site rare-earth elements in RSr₃Fe_{1.5}Co_{1.5}O_{10â^’Î´} (R = La, Nd, Pr) Ruddlesdenâ€“Popper perovskites. Materials Chemistry Frontiers, 2023, 7, 4526-4534.	6.2	10
65	Understanding the bifunctional catalytic ability of electrocatalysts for oxygen evolution reaction and urea oxidation Reaction: Recent advances and perspectives. Chemical Engineering Journal, 2023, 471, 144660.	11.9	104
66	Identifying a Universal Activity Descriptor and a Unifying Mechanism Concept on Perovskite Oxides for Green Hydrogen Production. Advanced Materials, 2023, 35, .	24.4	135
67	<scp>CoNiFe</scp>â€Layered double hydroxide decorated <scp>Coâ€Nâ€C</scp> network as a robust biâ€functional oxygen electrocatalyst for zincâ€air batteries. EcoMat, 2023, 5, .	11.8	23
68	Silver Compositing Boosts Water Electrolysis Activity and Durability of RuO₂ in a Protonâ€Exchangeâ€Membrane Water Electrolyzer. Small Science, 2023, 3, .	7.8	21
69	SynergisticÂÎ³â€In₂Se₃@rGO Nanocomposites with Beneficial Crystal Transformation Behavior for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Science, 2023, 10, .	12.7	9
70	Recent Advances in Developing High-Performance Solid-State Lithium Batteries: Interface Engineering. Energy & Fuels, 2023, 37, 17892-17914.	5.3	10
71	A partially Fe-substituted perovskite electrode for enhancing Zn-CO2 batteries. Chemical Engineering Journal, 2023, 474, 145594.	11.9	6
72	Bifunctional electrocatalysts Pr_{0.5}Sr_{0.5}Cr_{0.1}Fe_{0.9â^’x}Ni_xO_{3â^’Î´} (x = 0.1, 0.2) for the HOR and ORR of a symmetric solid oxide fuel cell. Journal of Materials Chemistry A, 2023, 11, 21839-21845.	9.3	40

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73	In situ passivation of Fe nanoparticles exsolved from perovskite cathodes through zinc doping for CO₂ electrolysis. Green Chemistry, 2023, 25, 9826-9836.	9.3	20
74	Fundamental Understanding and Applications of Protonic Yâ€•and Ybâ€Coped Ba(Ce,Zr)O₃ Perovskites: Stateâ€ofâ€theâ€Art and Perspectives. Advanced Energy Materials, 2023, 13, .	22.4	76
75	A review of progress in proton ceramic electrochemical cells: material and structural design, coupled with value-added chemical production. Energy and Environmental Science, 2023, 16, 5721-5770.	30.6	94
76	Enhancement of the electrochemical oxygen reduction performance by surface oxygen vacancies on hematite nanosheets. New Journal of Chemistry, 2023, 47, 21969-21977.	2.5	2
77	A fundamental understanding of structure evolution in the synthesis of hard carbon from coal tar pitch for high-performance sodium storage. Journal of Materials Chemistry A, 2023, 11, 26727-26741.	9.3	53
78	Enhancing Fast-Charge Capabilities in Solid-State Lithium Batteries through the Integration of High Li_{0.5}La_{0.5}TiO₃ (LLTO) Content in the Lithium-Metal Anode. ACS Applied Materials & Interfaces, 2023, 15, 59370-59379.	8.1	10
79	Perovskite Oxides in Catalytic Combustion of Volatile Organic Compounds: Recent Advances and Future Prospects. Energy and Environmental Materials, 2022, 5, 751-776.	13.9	93
80	A simple strategy that may effectively tackle the anode-electrolyte interface issues in solid-state lithium metal batteries. Chemical Engineering Journal, 2022, 427, 131001.	11.9	58
81	Roadmap for Sustainable Mixed Ionicâ€Electronic Conducting Membranes. Advanced Functional Materials, 2022, 32, .	16.9	90
82	Electrodeposition of a dendriteâ€free 3D Al anode for improving cycling of an aluminumâ€“graphite battery. , 2022, 4, 155-169.		38
83	Electrochemistry and energy conversion features of protonic ceramic cells with mixed ionic-electronic electrolytes. Energy and Environmental Science, 2022, 15, 439-465.	30.6	182
84	Enhancing the photocatalytic activity of Ruddlesden-Popper Sr2TiO4 for hydrogen evolution through synergistic silver doping and moderate reducing pretreatment. Materials Today Energy, 2022, 23, 100899.	5.3	36
85	A Controllable Dual Interface Engineering Concept for Rational Design of Efficient Bifunctional Electrocatalyst for Zincâ€“Air Batteries. Small, 2022, 18, .	11.5	25
86	Non-metal fluorine doping in Ruddlesdenâ€“Popper perovskite oxide enables high-efficiency photocatalytic water splitting for hydrogen production. Materials Today Energy, 2022, 23, 100896.	5.3	64
87	Recent Advances in Bioâ€Compatible Oxygen Singlet Generation and Its Tumor Treatment. Advanced Therapeutics, 2022, 5, .	2.3	18
88	Selfâ€catalyzed formation of strongly interconnected multiphase molybdenumâ€based composites for efficient hydrogen evolution. , 2022, 4, 77-87.		69
89	SrCo0.4Fe0.4Zr0.1Y0.1O3-Î´, A new CO2 tolerant cathode for proton-conducting solid oxide fuel cells. Renewable Energy, 2022, 185, 8-16.	9.5	35
90	Towards practically accessible aprotic Li-air batteries: Progress and challenges related to oxygen-permeable membranes and cathodes. Energy Storage Materials, 2022, 45, 869-902.	18.1	46

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92	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.	9.3	174
93	Rational Design of a High-Durability Pt-Based ORR Catalyst Supported on Mn/N Codoped Carbon Sheets for PEMFCs. Energy & Fuels, 2022, 36, 1707-1715.	5.3	33
94	A low resistance and stable lithium-garnet electrolyte interface enabled by a multifunctional anode additive for solid-state lithium batteries. Journal of Materials Chemistry A, 2022, 10, 2519-2527.	9.3	38
95	Superstructures with Atomic-Level Arranged Perovskite and Oxide Layers for Advanced Oxidation with an Enhanced Non-Free Radical Pathway. ACS Sustainable Chemistry and Engineering, 2022, 10, 1899-1909.	7.0	107
96	A New Durable Surface Nanoparticlesâ€Modified Perovskite Cathode for Protonic Ceramic Fuel Cells from Selective Cation Exsolution under Oxidizing Atmosphere. Advanced Materials, 2022, 34, .	24.4	193
97	Elevated-temperature bio-ethanol-assisted water electrolysis for efficient hydrogen production. Chemical Engineering Journal, 2022, 434, 134699.	11.9	51
98	Microscale-decoupled charge-discharge reaction sites for an air electrode with abundant triple-phase boundary and enhanced cycle stability of Zn-Air batteries. Journal of Power Sources, 2022, 525, 231108.	8.1	12
99	Perovskites for protonic ceramic fuel cells: a review. Energy and Environmental Science, 2022, 15, 2200-2232.	30.6	242
100	Single-atom catalysts for high-efficiency photocatalytic and photoelectrochemical water splitting: distinctive roles, unique fabrication methods and specific design strategies. Journal of Materials Chemistry A, 2022, 10, 6835-6871.	9.3	109
101	New Undisputed Evidence and Strategy for Enhanced Latticeâ€Oxygen Participation of Perovskite Electrocatalyst through Cation Deficiency Manipulation. Advanced Science, 2022, 9, .	12.7	140
102	A universal chemical-induced tensile strain tuning strategy to boost oxygen-evolving electrocatalysis on perovskite oxides. Applied Physics Reviews, 2022, 9, .	10.7	134
103	Hydrogen spillover in complex oxide multifunctional sites improves acidic hydrogen evolution electrocatalysis. Nature Communications, 2022, 13, .	14.2	359
104	Realizing Simultaneous Detrimental Reactions Suppression and Multiple Benefits Generation from Nickel Doping toward Improved Protonic Ceramic Fuel Cell Performance. Small, 2022, 18, .	11.5	55
105	Ternary BaCaZrTi perovskite oxide piezocatalysts dancing for efficient hydrogen peroxide generation. Nano Energy, 2022, 98, 107251.	16.4	62
106	Cuprous oxide single-crystal film assisted highly efficient solar hydrogen production on large ships for long-term energy storage and zero-emission power generation. Journal of Power Sources, 2022, 527, 231133.	8.1	32
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109	Realizing High and Stable Electrocatalytic Oxygen Evolution for Ironâ€Based Perovskites by Coâ€Dopingâ€Induced Structural and Electronic Modulation. Advanced Functional Materials, 2022, 32, .	16.9	61
110	Recent advances of Li7La3Zr2O12-based solid-state lithium batteries towards high energy density. Energy Storage Materials, 2022, 49, 299-338.	18.1	77
111	High Configuration Entropy Activated Lattice Oxygen for O₂ Formation on Perovskite Electrocatalyst. Advanced Functional Materials, 2022, 32, .	16.9	258
112	Recent advances in ZnO-based photosensitizers: Synthesis, modification, and applications in photodynamic cancer therapy. Journal of Colloid and Interface Science, 2022, 621, 440-463.	9.9	48
113	LaBa0.8Ca0.2Co2O5+Î´ cathode with superior CO2 resistance and high oxygen reduction activity for intermediate-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2022, 47, 16214-16221.	9.2	18
114	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.	13.2	66
115	Dynamic Reversible Evolution of Solid Electrolyte Interface in Nonflammable Triethyl Phosphate Electrolyte Enabling Safe and Stable Potassiumâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	16.9	55
116	Synergistically boosting the elementary reactions over multiheterogeneous ordered macroporous Mo₂C/NCâ€Ru for highly efficient alkaline hydrogen evolution. , 2022, 4, 856-866.		57
117	Two-dimensional Dion-Jacobson halide perovskites as new-generation light absorbers for perovskite solar cells. Renewable and Sustainable Energy Reviews, 2022, 166, 112614.	17.9	60
118	New nitrogen-doped graphitic carbon nanosheets with rich structural defects and hierarchical nanopores as efficient metal-free electrocatalysts for oxygen reduction reaction in Zn-Air batteries. Chemical Engineering Science, 2022, 259, 117816.	4.0	14
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121	Multiscale Engineering of Nonprecious Metal Electrocatalyst for Realizing Ultrastable Seawater Splitting in Weakly Alkaline Solution. Advanced Science, 2022, 9, .	12.7	51
122	Robust bifunctional phosphorus-doped perovskite oxygen electrode for reversible proton ceramic electrochemical cells. Chemical Engineering Journal, 2022, 450, 137787.	11.9	47
123	Combined Cornerâ€Sharing and Edgeâ€Sharing Networks in Hybrid Nanocomposite with Unusual Latticeâ€Oxygen Activation for Efficient Water Oxidation. Advanced Functional Materials, 2022, 32, .	16.9	52
124	Ionically and Electronically Conductive Phases in a Composite Anode for High-Rate and Stable Lithium Stripping and Plating for Solid-State Lithium Batteries. ACS Applied Materials & Interfaces, 2022, 14, 38786-38794.	8.1	36
125	A synergistic architecture design for functionally boosting the hydroxyl adsorption and charge transfer for the oxygen evolution reaction. Journal of Materials Chemistry A, 2022, 10, 20787-20793.	9.3	12
126	Rational design of perovskite ferrites as high-performance proton-conducting fuel cell cathodes. Nature Catalysis, 2022, 5, 777-787.	42.4	222

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129	Highâ€Entropy Materials for Water Electrolysis. Energy Technology, 2022, 10, .	3.4	159
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131	Controllably grown single-crystal films as flexoelectric nanogenerators for continuous direct current output. Npj Flexible Electronics, 2022, 6, .	14.6	17
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133	Rapid Gas-Phase Synthesis of the Perovskite-Type BaCe_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1}O_{3â^'Î´} Proton-Conducting Nanocrystalline Electrolyte for Intermediate-Temperature Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2022, 14, 47568-47577.	8.1	16
134	A membrane-based seawater electrolyser for hydrogen generation. Nature, 2022, 612, 673-678.	34.3	797
135	Improving Moisture/Thermal Stability and Efficiency of CH₃NH₃PbI₃â€Based Perovskite Solar Cells via Gentle Butyl Acrylate Additive Strategy. Solar Rrl, 2021, 5, .	4.7	22
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139	A comparative study of surface segregation and interface of La0Â·6Sr0Â·4Co0Â·2Fe0Â·8O3-Î´ electrode on GDC and YSZ electrolytes of solid oxide fuel cells. International Journal of Hydrogen Energy, 2021, 46, 2606-2616.	9.2	60
140	New perovskite membrane with improved sintering and self-reconstructed surface for efficient hydrogen permeation. Journal of Membrane Science, 2021, 620, 118980.	8.3	37
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143	Oxide-based precious metal-free electrocatalysts for anion exchange membrane fuel cells: from material design to cell applications. Journal of Materials Chemistry A, 2021, 9, 3151-3179.	9.3	29
144	Defects-rich porous carbon microspheres as green electrocatalysts for efficient and stable oxygen-reduction reaction over a wide range of pH values. Chemical Engineering Journal, 2021, 406, 126883.	11.9	76

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146	An Adsorptionâ€“Catalysis Pathway toward Sustainable Application of Mesoporous Carbon Nanospheres for Efficient Environmental Remediation. ACS ES&T Water, 2021, 1, 145-156.	4.3	27
147	Defect engineering of oxide perovskites for catalysis and energy storage: synthesis of chemistry and materials science. Chemical Society Reviews, 2021, 50, 10116-10211.	38.2	269
148	Phase and morphology engineering of porous cobaltâ€“copper sulfide as a bifunctional oxygen electrode for rechargeable Znâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 18329-18337.	9.3	17
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151	Fast operando spectroscopy tracking in situ generation of rich defects in silver nanocrystals for highly selective electrochemical CO2 reduction. Nature Communications, 2021, 12, .	14.2	119
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