

Chunwen Sun

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129
papers

10,061
citations

48
h-index

99
g-index

139
ext. papers

11,941
ext. citations

8.5
avg, IF

6.91
L-index

#	Paper	IF	Citations
129	Recent advances in all-solid-state rechargeable lithium batteries. <i>Nano Energy</i> , 2017 , 33, 363-386	17.1	962
128	Nanostructured ceria-based materials: synthesis, properties, and applications. <i>Energy and Environmental Science</i> , 2012 , 5, 8475	35.4	851
127	Cathode materials for solid oxide fuel cells: a review. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 1125-1144	2.6	839
126	Monodisperse porous LiFePO ₄ microspheres for a high power Li-ion battery cathode. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2132-5	16.4	567
125	Recent anode advances in solid oxide fuel cells. <i>Journal of Power Sources</i> , 2007 , 171, 247-260	8.9	467
124	Graphene/polyaniline nanorod arrays: synthesis and excellent electromagnetic absorption properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21679		411
123	A durable and safe solid-state lithium battery with a hybrid electrolyte membrane. <i>Nano Energy</i> , 2018 , 45, 413-419	17.1	322
122	Controlled synthesis of CeO ₂ nanorods by a solvothermal method. <i>Nanotechnology</i> , 2005 , 16, 1454-1463	3.4	287
121	Mesoscale organization of nearly monodisperse flowerlike ceria microspheres. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 13445-52	3.4	223
120	Single-Atom Fe-N _x -C as an Efficient Electrocatalyst for Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1808872	15.6	221
119	Wearable Power-Textiles by Integrating Fabric Triboelectric Nanogenerators and Fiber-Shaped Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2016 , 6, 1601048	21.8	221
118	Graphene/Co ₃ O ₄ nanocomposite as an efficient bifunctional catalyst for lithium-air batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7188-7196	13	173
117	Progress in corrosion resistant materials for supercritical water reactors. <i>Corrosion Science</i> , 2009 , 51, 2508-2523	6.8	150
116	A High-Performance and Durable Poly(ethylene oxide)-Based Composite Solid Electrolyte for All Solid-State Lithium Battery. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9852-9858	3.8	133
115	Three-dimensional hierarchical architectures constructed by graphene/MoS ₂ nanoflake arrays and their rapid charging/discharging properties as lithium-ion battery anodes. <i>Chemistry - A European Journal</i> , 2013 , 19, 5818-23	4.8	133
114	A Highly Efficient and Self-Stabilizing Metallic-Glass Catalyst for Electrochemical Hydrogen Generation. <i>Advanced Materials</i> , 2016 , 28, 10293-10297	24	131
113	Perovskite Sr _{0.95} Ce _{0.05} CoO ₃ loaded with copper nanoparticles as a bifunctional catalyst for lithium-air batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18902		127

112	3D N-doped ordered mesoporous carbon supported single-atom Fe-N-C catalysts with superior performance for oxygen reduction reaction and zinc-air battery. <i>Applied Catalysis B: Environmental</i> , 2021 , 280, 119411	21.8	127
111	Hydrothermal synthesis and electrochemical properties of LiVPO ₄ /C-based composites for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3772-6	9.5	122
110	Efficient Storing Energy Harvested by Triboelectric Nanogenerators Using a Safe and Durable All-Solid-State Sodium-Ion Battery. <i>Advanced Science</i> , 2017 , 4, 1700072	13.6	120
109	Synthesis and Characterization of Polycrystalline CeO ₂ Nanowires. <i>Chemistry Letters</i> , 2004 , 33, 662-663	1.7	108
108	Recent Advances in Perovskite-Type Oxides for Energy Conversion and Storage Applications. <i>Advanced Energy Materials</i> , 2021 , 11, 2000459	21.8	105
107	Green Synthesis of Three-Dimensional MnO/Graphene Hydrogel Composites as a High-Performance Electrode Material for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16474-16481	9.5	104
106	Facile synthesis of monodisperse porous Co ₃ O ₄ microspheres with superior ethanol sensing properties. <i>Chemical Communications</i> , 2011 , 47, 12852-4	5.8	103
105	Flowerlike Co ₃ O ₄ microspheres loaded with copper nanoparticle as an efficient bifunctional catalyst for lithium-air batteries. <i>Electrochemistry Communications</i> , 2013 , 28, 13-16	5.1	100
104	Nanopillar Arrayed Triboelectric Nanogenerator as a Self-Powered Sensitive Sensor for a Sleep Monitoring System. <i>ACS Nano</i> , 2016 , 10, 8097-103	16.7	99
103	Investigations of mesoporous CeO ₂ Ru as a reforming catalyst layer for solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2006 , 8, 833-838	5.1	97
102	Study of flowerlike CeO ₂ microspheres used as catalyst supports for CO oxidation reaction. <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 1785-1790	3.9	95
101	A High-Performance Monolithic Solid-State Sodium Battery with Ca ²⁺ Doped Na ₃ Zr ₂ Si ₂ PO ₁₂ Electrolyte. <i>Advanced Energy Materials</i> , 2019 , 9, 1901205	21.8	83
100	Porous Perovskite La _{0.6} Sr _{0.4} Co _{0.8} Mn _{0.2} O ₃ Nanofibers Loaded with RuO ₂ Nanosheets as an Efficient and Durable Bifunctional Catalyst for Rechargeable LiO ₂ Batteries. <i>ACS Catalysis</i> , 2017 , 7, 7737-7747	13.1	79
99	P2-Type Na _{0.67} Ni _{0.23} Mg _{0.1} Mn _{0.67} O ₂ as a High-Performance Cathode for a Sodium-Ion Battery. <i>Inorganic Chemistry</i> , 2016 , 55, 9033-7	5.1	77
98	Perovskite Sr _{1-x} Ce _x CoO ₃ (0.05 ≤ x ≤ 0.15) as superior cathodes for intermediate temperature solid oxide fuel cells. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1143-8	9.5	76
97	Graphene/porous cobalt nanocomposite and its noticeable electrochemical hydrogen storage ability at room temperature. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5924		75
96	Inverse Spinel Cobalt-Iron Oxide and N-Doped Graphene Composite as an Efficient and Durable Bifunctional Catalyst for LiO ₂ Batteries. <i>ACS Catalysis</i> , 2018 , 8, 4082-4090	13.1	74
95	A highly active, stable and synergistic Pt nanoparticles/Mo ₂ C nanotube catalyst for methanol electro-oxidation. <i>NPG Asia Materials</i> , 2015 , 7, e153-e153	10.3	71

94	A Safe High-Performance All-Solid-State Lithium-Vanadium Battery with a Freestanding VO Nanowire Composite Paper Cathode. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34309-34316	9.5	68
93	Triboelectric nanogenerator as a highly sensitive self-powered sensor for driver behavior monitoring. <i>Nano Energy</i> , 2018 , 51, 721-727	17.1	66
92	High Entropy Intermetallic Oxide Core-Shell Nanostructure as Superb Oxygen Evolution Reaction Catalyst. <i>Advanced Sustainable Systems</i> , 2020 , 4, 1900105	5.9	61
91	Fe -Doped Layered Double (Ni, Fe) Hydroxides as Efficient Electrocatalysts for Water Splitting and Self-Powered Electrochemical Systems. <i>Small</i> , 2019 , 15, e1902551	11	60
90	One dimensional La _{0.8} Sr _{0.2} Co _{0.2} Fe _{0.8} O _{3-λ} /Ce _{0.8} Gd _{0.2} O _{1.9} nanocomposite cathodes for intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2012 , 219, 133-139	8.9	58
89	Triboelectric nanogenerators powered electrodepositing tri-functional electrocatalysts for water splitting and rechargeable zinc-air battery: A case of Pt nanoclusters on NiFe-LDH nanosheets. <i>Nano Energy</i> , 2020 , 72, 104669	17.1	57
88	Mg Doped Perovskite LaNiO ₃ Nanofibers as an Efficient Bifunctional Catalyst for Rechargeable Zinc-Air Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 923-931	6.1	57
87	Electrospinning La _{0.8} Sr _{0.2} Co _{0.2} Fe _{0.8} O _{3-λ} tubes impregnated with Ce _{0.8} Gd _{0.2} O _{1.9} nanoparticles for an intermediate temperature solid oxide fuel cell cathode. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 6821-6829	6.7	53
86	Oxygen Deficient LaMnCoO Nanofibers as an Efficient Electrocatalyst for Oxygen Evolution Reaction and Zinc-Air Batteries. <i>Inorganic Chemistry</i> , 2019 , 58, 8208-8214	5.1	52
85	Structural and electrochemical properties of LiMn _{0.6} Fe _{0.4} PO ₄ as a cathode material for flexible lithium-ion batteries and self-charging power pack. <i>Nano Energy</i> , 2018 , 52, 510-516	17.1	52
84	In situ Raman spectroscopy of LiFePO ₄ : size and morphology dependence during charge and self-discharge. <i>Nanotechnology</i> , 2013 , 24, 424009	3.4	50
83	A flexible lithium-ion battery with quasi-solid gel electrolyte for storing pulsed energy generated by triboelectric nanogenerator. <i>Energy Storage Materials</i> , 2018 , 12, 17-22	19.4	50
82	Effects of Fluorine Doping on Structural and Electrochemical Properties of LiGaLaZrO as Electrolytes for Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2042-2049	8.5	49
81	Growth of Hollow Transition Metal (Fe, Co, Ni) Oxide Nanoparticles on Graphene Sheets through Kirkendall Effect as Anodes for High-Performance Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2016 , 22, 1638-45	4.8	44
80	In situ diffusion growth of Fe ₂ (MoO ₄) ₃ nanocrystals on the surface of H ₂ MoO ₃ nanorods with significantly enhanced ethanol sensing properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12900		44
79	Recent Progress on the Key Materials and Components for Proton Exchange Membrane Fuel Cells in Vehicle Applications. <i>Energies</i> , 2016 , 9, 603	3.1	44
78	VO Nanowire Composite Paper as a High-Performance Lithium-Ion Battery Cathode. <i>ACS Omega</i> , 2017 , 2, 793-799	3.9	40
77	Electrochemical Lithium Intercalation in Monoclinic Nb ₁₂ O ₂₉ . <i>Chemistry of Materials</i> , 2011 , 23, 2292-2294	3.6	40

76	Experimental visualization of the diffusion pathway of sodium ions in the Na ₃ [Ti ₂ P ₂ O ₁₀ F] anode for sodium-ion battery. <i>Scientific Reports</i> , 2014 , 4, 7231	4.9	39
75	Flexible Quasi-Solid-State Composite Electrolyte Membrane Derived from a Metal-Organic Framework for Lithium-Metal Batteries. <i>ChemElectroChem</i> , 2020 , 7, 707-715	4.3	38
74	Enhanced coking tolerance of a MgO-modified Ni cermet anode for hydrocarbon fueled solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18031-18036	13	35
73	Controllable Synthesis of Shuttle-Shaped Ceria and Its Catalytic Properties for CO Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3883-3887	2.3	35
72	Nitrogen-Doped NiCo ₂ O ₄ Microsphere as an Efficient Catalyst for Flexible Rechargeable Zinc-Air Batteries and Self-Charging Power System. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2296-2304	6.1	34
71	Novel Photoanode for Dye-Sensitized Solar Cells with Enhanced Light-Harvesting and Electron-Collection Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13418-25	9.5	34
70	Enhanced activity, durability and anti-poisoning property of Pt/W ₁₈ O ₄₉ for methanol oxidation with a sub-stoichiometric tungsten oxide W ₁₈ O ₄₉ support. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20154-20163	13	33
69	Deposition, characterization and performance evaluation of ceramic coatings on metallic substrates for supercritical water-cooled reactors. <i>Surface and Coatings Technology</i> , 2011 , 205, 3512-3519	4.4	33
68	Functional Applications of Metallic Glasses in Electrocatalysis. <i>ChemCatChem</i> , 2019 , 11, 2401-2414	5.2	32
67	Stretchable, transparent triboelectric nanogenerator as a highly sensitive self-powered sensor for driver fatigue and distraction monitoring. <i>Nano Energy</i> , 2020 , 78, 105359	17.1	31
66	Graphene/MoO ₂ hierarchical nanoarchitectures: in situ reduction synthesis and high rate cycling performance as lithium-ion battery anodes. <i>RSC Advances</i> , 2013 , 3, 17659	3.7	29
65	Durable Sodium Battery with a Flexible NaZrSiPO-PVDF-HFP Composite Electrolyte and Sodium/Carbon Cloth Anode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35039-35046	9.5	29
64	Imaging the diffusion pathway of Al ³⁺ ion in NASICON-type (Al _{0.2} Zr _{0.8}) _{20/19} Nb(PO ₄) ₃ as electrolyte for rechargeable solid-state Al batteries. <i>Chinese Physics B</i> , 2018 , 27, 128201	1.2	28
63	Feasibility and mechanism of lithium oxide as sintering aid for Ce _{0.8} Sm _{0.2} O _{2-δ} electrolyte. <i>Journal of Power Sources</i> , 2012 , 205, 57-62	8.9	27
62	A quasi-solid composite electrolyte with dual salts for dendrite-free lithium metal batteries. <i>New Journal of Chemistry</i> , 2020 , 44, 1817-1824	3.6	27
61	Effects of CuO on the microstructure and electrochemical properties of garnet-type Li _{6.3} La ₃ Zr _{1.65} W _{0.35} O ₁₂ solid electrolyte. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 135, 109080	3.9	26
60	Mesoscale Organization of Flower-Like La ₂ O ₂ CO ₃ and La ₂ O ₃ Microspheres. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2576-2581	3.8	26
59	Effects of pulse charging on the performances of lithium-ion batteries. <i>Nano Energy</i> , 2019 , 56, 555-562	17.1	23

58	H ₂ production from stable ethanol steam reforming over catalyst of NiO based on flowerlike CeO ₂ microspheres. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 3087-3091	6.7	22
57	Synthesis and characterization of NH ₄ PO ₃ based composite with superior proton conductivity for intermediate temperature fuel cells. <i>Electrochimica Acta</i> , 2008 , 53, 6417-6422	6.7	22
56	Flowerlike CeO ₂ microspheres coated with Sr ₂ Fe _{1.5} Mo _{0.5} O _x nanoparticles for an advanced fuel cell. <i>Scientific Reports</i> , 2015 , 5, 11946	4.9	21
55	Effects of processing parameters on microstructures of TiO ₂ coatings formed on titanium by plasma electrolytic oxidation. <i>Journal of Materials Science</i> , 2010 , 45, 6235-6241	4.3	21
54	Direct operation of methane fueled solid oxide fuel cells with Ni cermet anode via Sn modification. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 11391-11398	6.7	21
53	Li-Water Battery with Oxygen Dissolved in Water as a Cathode. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A285-A289	3.9	20
52	Ba _{1-x} P _x Co _{1-y} Fe _y O _{3-δ} as cathode materials for low temperature solid oxide fuel cells. <i>Electrochimica Acta</i> , 2010 , 55, 4772-4775	6.7	20
51	Recent Advances in Single-Atom Electrocatalysts for Oxygen Reduction Reaction. <i>Research</i> , 2020 , 2020, 9512763	7.8	20
50	A flexible three-dimensional composite nanofiber enhanced quasi-solid electrolyte for high-performance lithium metal batteries. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 361-367	6.8	20
49	Insight into the structure and functional application of the Sr _{0.95} Ce _{0.05} CoO _{3-δ} cathode for solid oxide fuel cells. <i>Inorganic Chemistry</i> , 2015 , 54, 3477-84	5.1	19
48	Perovskite La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ Nanofibers Decorated with RuO ₂ Nanoparticles as an Efficient Bifunctional Cathode for Rechargeable LiO ₂ Batteries. <i>ChemNanoMat</i> , 2017 , 3, 485-490	3.5	17
47	An ion-conductive Li ₇ La ₃ Zr ₂ O ₁₂ -based composite membrane for dendrite-free lithium metal batteries. <i>Journal of Power Sources</i> , 2020 , 450, 227710	8.9	17
46	A Superior Oxygen Reduction Reaction Electrocatalyst Based on Reduced Graphene Oxide and Iron(II) Phthalocyanine-Supported Sub-2 nm Platinum Nanoparticles. <i>ACS Applied Nano Materials</i> , 2018 , 1, 711-721	5.6	17
45	Ni doped La _{0.6} Sr _{0.4} FeO _{3-δ} asymmetrical electrode for solid oxide fuel cells. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1347-1353	11.3	16
44	MoO ₃ nanorods/Fe ₂ (MoO ₄) ₃ nanoparticles composite anode for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 14411-14415	6.7	16
43	Fluorinated Ether Based Electrolyte Enabling Sodium-Metal Batteries with Exceptional Cycling Stability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46965-46972	9.5	15
42	Vanadium hexacyanoferrate with two redox active sites as cathode material for aqueous Zn-ion batteries. <i>Journal of Power Sources</i> , 2021 , 484, 229263	8.9	15
41	Effects of Pulse Charging by Triboelectric Nanogenerators on the Performance of Solid-State Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28345-28350	9.5	14

40	Multi-scale impedance model for supercapacitor porous electrodes: Theoretical prediction and experimental validation. <i>Journal of Power Sources</i> , 2018 , 400, 69-86	8.9	14
39	Effect of Ni doping on the catalytic properties of nanostructured peony-like CeO ₂ . <i>Chinese Journal of Catalysis</i> , 2013 , 34, 305-312	11.3	14
38	Dynamic Octahedral Breathing in Oxygen-Deficient Ba(0.9)Co(0.7)Fe(0.2)Nb(0.1)O(3- δ) Perovskite Performing as a Cathode in Intermediate-Temperature SOFC. <i>Inorganic Chemistry</i> , 2016 , 55, 3091-7	5.1	14
37	Na ₂ Ti ₃ O ₇ Nanotubes as Anode Materials for Sodium-ion Batteries and Self-powered Systems. <i>ChemElectroChem</i> , 2019 , 6, 3085-3090	4.3	13
36	Porous Urchin-like Co ₃ O ₄ Microspheres as an Efficient Bifunctional Catalyst for Nonaqueous and Solid-State LiO ₂ Batteries. <i>ChemElectroChem</i> , 2018 , 5, 2181-2185	4.3	13
35	High Activity of Nanoporous-Sm _{0.2} Ce _{0.8} O _{2-δ} / α -Al ₂ O ₃ Composites for Hydrogen Electro-Oxidation in Solid Oxide Fuel Cells. <i>Advanced Energy Materials</i> , 2014 , 4, 1400883	21.8	13
34	Detection of driving actions on steering wheel using triboelectric nanogenerator via machine learning. <i>Nano Energy</i> , 2021 , 79, 105455	17.1	13
33	Insight into the structure and functional application of Mg-doped Na _{0.5} Bi _{0.5} TiO ₃ electrolyte for solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2018 , 752, 213-219	5.7	12
32	Effects of F-Doping on the Electrochemical Performance of NaTiO ₂ as an Anode for Sodium-Ion Batteries. <i>Materials</i> , 2018 , 11,	3.5	12
31	FeCo Nanoparticles Encapsulated in N-Doped Carbon Nanotubes Coupled with Layered Double (Co, Fe) Hydroxide as an Efficient Bifunctional Catalyst for Rechargeable Zinc-Air Batteries. <i>Small</i> , 2021 , 17, e2103737	11	12
30	Triboelectric nanogenerator based self-powered sensor with a turnable sector structure for monitoring driving behavior. <i>Nano Energy</i> , 2021 , 89, 106352	17.1	12
29	All-Solid-State Supercapacitors Based on Flexible Co ₃ O ₄ Nanoflowers/rGO Nanocomposites. <i>Journal of Electronic Materials</i> , 2018 , 47, 5987-5992	1.9	10
28	An efficient ultra-thin chain-structured copper cobalt oxide/sulfide composite catalyst for electrochemical hydrogen generation. <i>RSC Advances</i> , 2016 , 6, 43185-43190	3.7	10
27	Flexible Quasi-Solid-State Sodium Battery for Storing Pulse Electricity Harvested from Triboelectric Nanogenerators. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39342-39351	9.5	9
26	Composite Lithium Protective Layer Formed In Situ for Stable Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 12099-12105	9.5	9
25	High performance lithium-sulfur batteries for storing pulsed energy generated by triboelectric nanogenerators. <i>Scientific Reports</i> , 2017 , 7, 425	4.9	8
24	Carbon Formation Mechanism of CH in Ni-Based Catalysts Revealed by in Situ Electron Microscopy and Molecular Dynamics Simulations. <i>ACS Omega</i> , 2019 , 4, 8413-8420	3.9	8
23	A High-performance lithium metal battery with a multilayer hybrid electrolyte. <i>Energy and Environmental Materials</i> ,	13	8

22	Chlorine-doped $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ as an electrolyte for solid lithium metal batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5336-5343	7.8	8
21	A new oxyfluorinated titanium phosphate anode for a high-energy lithium-ion battery. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1270-4	9.5	7
20	Piezotronic-enhanced oxygen evolution reaction enabled by a Au/MoS ₂ nanosheet catalyst. <i>Catalysis Science and Technology</i> , 2020 , 10, 6180-6187	5.5	7
19	Pt Nanoparticles Loaded on WO Nanocables-rGO Nanocomposite as a Highly Active and Durable Catalyst for Methanol Electro-Oxidation. <i>ACS Omega</i> , 2018 , 3, 16850-16857	3.9	7
18	Elucidating the diffusion pathway of protons in ammonium polyphosphate: a potential electrolyte for intermediate temperature fuel cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7839-7844	13	5
17	Perovskite $\text{Sr}_{0.9}\text{Y}_{0.1}\text{CoO}_3$ Nanorods Modified with CoO Nanoparticles as a Bifunctional Catalyst for Rechargeable LiO_2 Batteries. <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	5
16	High-Performance Sodium Metal Batteries with Sodium-Bismuth Alloy Anode. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12607-12612	6.1	4
15	Visualization of the Diffusion Pathway of Protons in $(\text{NH})\text{SiTiPO}$ as an Electrolyte for Intermediate-Temperature Fuel Cells. <i>Inorganic Chemistry</i> , 2018 , 57, 676-680	5.1	4
14	Electrochemical Properties of Low-Temperature Solid Oxide Fuel Cells Under Chromium Poisoning Conditions. <i>International Journal of Green Energy</i> , 2009 , 6, 627-637	3	4
13	Performance and stability of $\text{SrCo}_{0.9}\text{Nb}_{0.1}\text{O}_3$ - $(\text{La}_{0.6}\text{Sr}_{0.4})_{0.95}(\text{Co}_{0.2}\text{Fe}_{0.8})\text{O}_3$ -bilayer cathode for intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2019 , 414, 24-30	8.9	4
12	A Monolithic Solid-State Sodium-Sulfur Battery with Al-Doped NaZr(SiPO) Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42927-42934	9.5	4
11	Li/Na Modified Ni-SDC Anode for Methane-Fueled Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2015 , 68, 1403-1409	1	3
10	Data-Driven Detection Methods on Driver's Pedal Action Intensity Using Triboelectric Nano-Generators. <i>Sustainability</i> , 2020 , 12, 8926	3.6	3
9	Core-Shell Structured $\text{Sr}_{0.88}\text{Y}_{0.08}\text{TiO}_3$ - $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ Composite as an Anode for Solid Oxide Fuel Cells Operating with CH ₄ . <i>ECS Transactions</i> , 2013 , 57, 1313-1319	1	3
8	Layered double (Ni, Fe) hydroxide grown on nickel foam and modified by nickel carbonyl powder and carbon black as an efficient electrode for water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	3
7	Manganese-Doped Hollow Layered Double (Ni, Co) Hydroxide Microcuboids as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2020 , 7, 3852-3858	4.3	3
6	NiCoFeP Nanofibers as an Efficient Electrocatalyst for Oxygen Evolution Reaction and Zinc-Air Batteries. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2000104	1.6	3
5	Electrolyte-Free SOFCs 2020 , 173-211		1

- 4 Solid-State Electrolytes for SOFC **2020**, 35-78 1
- 3 Cathodes for Solid Oxide Fuel Cell **2020**, 79-112 0
- 2 Anodes for Solid Oxide Fuel Cell **2020**, 113-144
- 1 Ceria Fluorite Electrolytes from Ionic to Mixed Electronic and Ionic Membranes **2020**, 213-238