

Shu-Qiang Jiao

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173
papers

5,968
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71
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182
ext. papers

7,049
ext. citations

9.1
avg, IF

6.29
L-index

#	Paper	IF	Citations
173	A new aluminium-ion battery with high voltage, high safety and low cost. <i>Chemical Communications</i> , 2015 , 51, 11892-5	5.8	341
172	A Novel Aluminum-Ion Battery: Al/AlCl ₃ -[EMIm]Cl/Ni ₃ S ₂ @Graphene. <i>Advanced Energy Materials</i> , 2016 , 6, 1600137	21.8	306
171	High-Performance Aluminum-Ion Battery with CuS@C Microsphere Composite Cathode. <i>ACS Nano</i> , 2017 , 11, 469-477	16.7	298
170	A new cathode material for super-valent battery based on aluminium ion intercalation and deintercalation. <i>Scientific Reports</i> , 2013 , 3, 3383	4.9	252
169	High-performance p-Cu ₂ O/n-TaON heterojunction nanorod photoanodes passivated with an ultrathin carbon sheath for photoelectrochemical water splitting. <i>Energy and Environmental Science</i> , 2014 , 7, 3758-3768	35.4	152
168	Microspheric Na ₂ Ti ₃ O ₇ consisting of tiny nanotubes: an anode material for sodium-ion batteries with ultrafast charge-discharge rates. <i>Nanoscale</i> , 2013 , 5, 594-9	7.7	150
167	Efficient visible-light-driven photocatalytic hydrogen production using CdS@TaON core-shell composites coupled with graphene oxide nanosheets. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7291		144
166	Hexagonal NiS nanobelts as advanced cathode materials for rechargeable Al-ion batteries. <i>Chemical Communications</i> , 2016 , 52, 10427-30	5.8	136
165	Flexible Stable Solid-State Al-Ion Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1806799	15.6	126
164	A rechargeable Al-ion battery: Al/molten AlCl ₃ -urea/graphite. <i>Chemical Communications</i> , 2017 , 53, 2331-2334	3.84	125
163	Rechargeable ultrahigh-capacity tellurium-aluminum batteries. <i>Energy and Environmental Science</i> , 2019 , 12, 1918-1927	35.4	124
162	A long-life rechargeable Al ion battery based on molten salts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1282-1291	13	121
161	An industrialized prototype of the rechargeable Al/AlCl ₃ -[EMIm]Cl/graphite battery and recycling of the graphitic cathode into graphene. <i>Carbon</i> , 2016 , 109, 276-281	10.4	105
160	Novel metallurgical process for titanium production. <i>Journal of Materials Research</i> , 2006 , 21, 2172-2175	2.5	104
159	Porous CuO microsphere architectures as high-performance cathode materials for aluminum-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3084-3090	13	98
158	Hierarchical metastable TaON hollow structures for efficient visible-light water splitting. <i>Energy and Environmental Science</i> , 2013 , 6, 2134	35.4	96
157	Hierarchically Plasmonic Z-Scheme Photocatalyst of Ag/AgCl Nanocrystals Decorated Mesoporous Single-Crystalline Metastable Bi ₂ O ₃ Nanosheets. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5132-5141	3.8	95

156	Single crystalline Na ₂ Ti ₃ O ₇ rods as an anode material for sodium-ion batteries. <i>RSC Advances</i> , 2013 , 3, 1041-1044	3.7	90
155	Cobalt-bilayer catalyst decorated Ta ₃ N ₅ nanorod arrays as integrated electrodes for photoelectrochemical water oxidation. <i>Energy and Environmental Science</i> , 2013 , 6, 3322	35.4	89
154	Electrolysis of Ti ₂ CO solid solution prepared by TiC and TiO ₂ . <i>Journal of Alloys and Compounds</i> , 2007 , 438, 243-246	5.7	85
153	Three-dimensional Z-scheme AgCl/Ag/TaON heterostructural hollow spheres for enhanced visible-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2013 , 142-143, 579-589	21.8	81
152	Flower-like Vanadium Sulfide/Reduced Graphene Oxide Composite: An Energy Storage Material for Aluminum-Ion Batteries. <i>ChemSusChem</i> , 2018 , 11, 709-715	8.3	79
151	A Novel Ultrafast Rechargeable Multi-Ions Battery. <i>Advanced Materials</i> , 2017 , 29, 1606349	24	74
150	Development of an Inert Anode for Electrowinning in Calcium Chloride-Calcium Oxide Melts. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2010 , 41, 74-79	2.5	73
149	Ordered WO nanorods: facile synthesis and their electrochemical properties for aluminum-ion batteries. <i>Chemical Communications</i> , 2018 , 54, 1343-1346	5.8	69
148	Bi ₂ O ₃ quantum-dot decorated nitrogen-doped Bi ₃ NbO ₇ nanosheets: in situ synthesis and enhanced visible-light photocatalytic activity. <i>CrystEngComm</i> , 2012 , 14, 5923	3.3	69
147	Dense graphene papers: Toward stable and recoverable Al-ion battery cathodes with high volumetric and areal energy and power density. <i>Energy Storage Materials</i> , 2018 , 13, 103-111	19.4	68
146	Ultra-Lightweight 3D Carbon Current Collectors: Constructing All-Carbon Electrodes for Stable and High Energy Density Dual-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1801439	21.8	67
145	A novel dual-graphite aluminum-ion battery. <i>Energy Storage Materials</i> , 2018 , 12, 119-127	19.4	61
144	In situ chemical reduction of the Ta ₃ N ₅ quantum dots coupled TaON hollow spheres heterojunction photocatalyst for water oxidation. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21972		60
143	Direct Conversion of Greenhouse Gas CO ₂ into Graphene via Molten Salts Electrolysis. <i>ChemSusChem</i> , 2016 , 9, 588-94	8.3	56
142	Capture and electrochemical conversion of CO ₂ to ultrathin graphite sheets in CaCl ₂ -based melts. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21211-21218	13	55
141	Chromium-doped bismuth titanate nanosheets as enhanced visible-light photocatalysts with a high percentage of reactive {110} facets. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7296		54
140	Cu ₃ P as a novel cathode material for rechargeable aluminum-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8368-8375	13	52
139	Electrochemically assembling of a porous nano-polyaniline network in a reverse micelle and its application in a supercapacitor. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9027		52

138	Current efficiency studies for graphite and SnO ₂ -based anodes for the electro-deoxidation of metal oxides. <i>Electrochimica Acta</i> , 2010 , 55, 7126-7133	6.7	51
137	Mg ^{III} /i co-doping behavior of porous LiFePO ₄ microspheres for high-rate lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17021-17028	13	49
136	A novel three-dimensional carbonized PANI@CNTs network for enhanced enzymatic biofuel cell. <i>Biosensors and Bioelectronics</i> , 2018 , 101, 60-65	11.8	46
135	Hydrothermal synthesis of CdS/CdLa ₂ S ₄ heterostructures for efficient visible-light-driven photocatalytic hydrogen production. <i>RSC Advances</i> , 2012 , 2, 10330	3.7	44
134	Production of NiTi shape memory alloys via electro-deoxidation utilizing an inert anode. <i>Electrochimica Acta</i> , 2010 , 55, 7016-7020	6.7	40
133	Nickel Phosphide Nanosheets Supported on Reduced Graphene Oxide for Enhanced Aluminum-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6004-6012	8.3	40
132	Exfoliation Mechanism of Graphite Cathode in Ionic Liquids. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36702-36707	9.5	37
131	Rechargeable Nickel Telluride/Aluminum Batteries with High Capacity and Enhanced Cycling Performance. <i>ACS Nano</i> , 2020 , 14, 3469-3476	16.7	36
130	Electrochemical deposition of carbon in LiCl/NaCl/Na ₂ CO ₃ melts. <i>Carbon</i> , 2016 , 98, 649-657	10.4	35
129	Preparation of Titanium Deposit in Chloride Melts. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2011 , 42, 1181-1187	2.5	35
128	High-efficiency transformation of amorphous carbon into graphite nanoflakes for stable aluminum-ion battery cathodes. <i>Nanoscale</i> , 2019 , 11, 12537-12546	7.7	34
127	A Rechargeable Al ^{III} /e Battery. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4924-4930	6.1	34
126	Nonaqueous Rechargeable Aluminum Batteries: Progresses, Challenges, and Perspectives. <i>Chemical Reviews</i> , 2021 , 121, 4903-4961	68.1	34
125	Electrochemical deposition of carbon nanotubes from CO ₂ in CaCl ₂ /NaCl-based melts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6219-6225	13	32
124	Metal-Organic Framework-Derived Co ₃ O ₄ @MWCNTs Polyhedron as Cathode Material for a High-Performance Aluminum-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16200-16208	8.3	32
123	Electrochemical Conversion of CO ₂ into Negative Electrode Materials for Li-Ion Batteries. <i>ChemElectroChem</i> , 2015 , 2, 224-230	4.3	32
122	Direct electrochemistry and bioelectrocatalysis of glucose oxidase in CS/CNC film and its application in glucose biosensing and biofuel cells. <i>RSC Advances</i> , 2017 , 7, 4572-4579	3.7	31
121	Self-supporting lithiophilic N-doped carbon rod array for dendrite-free lithium metal anode. <i>Chemical Engineering Journal</i> , 2019 , 363, 270-277	14.7	31

120	The electrochemical behavior of an aluminum alloy anode for rechargeable Al-ion batteries using an AlCl ₃ -urea liquid electrolyte. <i>RSC Advances</i> , 2017 , 7, 32288-32293	3.7	29
119	Ternary AlCl ₃ -Urea-[EMIm]Cl Ionic Liquid Electrolyte for Rechargeable Aluminum-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3093-A3100	3.9	29
118	Room temperature solid state dual-ion batteries based on gel electrolytes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4313-4323	13	29
117	Gel electrolytes with a wide potential window for high-rate Al-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20348-20356	13	29
116	High thermoelectric performance of all-oxide heterostructures with carrier double-barrier filtering effect. <i>NPG Asia Materials</i> , 2015 , 7, e182-e182	10.3	29
115	Self-supporting and high-loading hierarchically porous Co-P cathode for advanced Al-ion battery. <i>Chemical Engineering Journal</i> , 2020 , 389, 124370	14.7	28
114	Direct Preparation of Titanium Alloys from Ti-Bearing Blast Furnace Slag. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D511-D516	3.9	28
113	The influence of fluoride ions on the equilibrium between titanium ions and titanium metal in fused alkali chloride melts. <i>Faraday Discussions</i> , 2016 , 190, 421-32	3.6	27
112	Facile synthesis of Ni(HPO)(OH)/rGO nanorods with enhanced electrochemical performance for aluminum-ion batteries. <i>Nanoscale</i> , 2018 , 10, 21284-21291	7.7	27
111	Carbon-modified bismuth titanate nanorods with enhanced visible-light-driven photocatalytic property. <i>CrystEngComm</i> , 2011 , 13, 4735	3.3	26
110	The Equilibrium Between Titanium Ions and Titanium Metal in NaCl-KCl Equimolar Molten Salt. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013 , 44, 906-913	2.5	25
109	Aluminum-Ion Asymmetric Supercapacitor Incorporating Carbon Nanotubes and an Ionic Liquid Electrolyte: Al/AlCl ₃ -[EMIm]Cl/CNTs. <i>Energy Technology</i> , 2016 , 4, 1112-1118	3.5	25
108	SbSe nanorods with N-doped reduced graphene oxide hybrids as high-capacity positive electrode materials for rechargeable aluminum batteries. <i>Nanoscale</i> , 2019 , 11, 16437-16444	7.7	24
107	Electrochemical dissolution behavior of conductive TiC _x O _{1-x} solid solutions. <i>Pure and Applied Chemistry</i> , 2010 , 82, 1691-1699	2.1	24
106	A green electrochemical transformation of inferior coals to crystalline graphite for stable Li-ion storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7533-7540	13	22
105	Applying Co ₃ O ₄ @nanoporous Carbon to Nonenzymatic Glucose Biofuel Cell and Biosensor. <i>Electroanalysis</i> , 2018 , 30, 525-532	3	21
104	The Effects of Anions Behaviors on Electrochemical Properties of Al/Graphite Rechargeable Aluminum-Ion Battery via Molten AlCl ₃ -NaCl Liquid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3292-A3302	3.9	20
103	3D flower-like NaHTi ₃ O ₇ nanotubes as high-performance anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16528-16534	13	20

102	Electrochemically depositing titanium(III) ions at liquid tin in a NaCl-KCl melt. <i>RSC Advances</i> , 2015 , 5, 62235-62240	3.7	20
101	The Cathodic Behavior of Ti(III) Ion in a NaCl-2CsCl Melt. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016 , 47, 804-810	2.5	19
100	An investigation into the electrochemical recovery of rare earth ions in a CsCl-based molten salt. <i>Journal of Hazardous Materials</i> , 2011 , 189, 821-6	12.8	19
99	A review on liquid metals as cathodes for molten salt/oxide electrolysis. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020 , 27, 1588-1598	3.1	19
98	Al-Based porous coordination polymer derived nanoporous carbon for immobilization of glucose oxidase and its application in glucose/O ₂ biofuel cell and biosensor. <i>RSC Advances</i> , 2017 , 7, 11872-11879	3.7	18
97	Electrochemical Metallurgy in CaCl ₂ -CaO Melts on the Basis of TiO ₂ /RuO ₂ /Inert Anode. <i>Journal of the Electrochemical Society</i> , 2016 , 163, E33-E38	3.9	18
96	Equilibrium between titanium ions and high-purity titanium electrorefining in a NaCl-KCl melt. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014 , 21, 660-665	3.1	18
95	Self-assembled amorphous manganese oxide/hydroxide spheres via multi-phase electrochemical interactions in reverse micelle electrolytes and their capacitive behavior. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5136	13	18
94	All-carbon positive electrodes for stable aluminium batteries. <i>Journal of Energy Chemistry</i> , 2020 , 42, 17-26	26	18
93	Shape-Controlled Synthesis of Ultrafine Molybdenum Crystals via Salt-Assisted Reduction of MoO ₃ with H ₂ . <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10231-10239	3.8	17
92	Experimental and first-principles study of TiO ₂ system: Interplay of thermodynamic and structural properties. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2253-2265	3.8	16
91	The potential application of black and blue phosphorene as cathode materials in rechargeable aluminum batteries: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 7021-7028	3.6	16
90	A nitrogen-doped graphene cathode for high-capacitance aluminum-ion hybrid supercapacitors. <i>New Journal of Chemistry</i> , 2018 , 42, 15684-15691	3.6	16
89	Modified separators for rechargeable high-capacity selenium-aluminium batteries. <i>Chemical Engineering Journal</i> , 2020 , 385, 123452	14.7	16
88	NiCo ₂ S ₄ Nanosheet with Hexagonal Architectures as an Advanced Cathode for Al-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A3504-A3509	3.9	16
87	Hierarchical Flower-Like MoS ₂ Microspheres and Their Efficient Al Storage Properties. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26794-26802	3.8	15
86	The Equilibrium between Titanium Ions and Metallic Titanium in the Molten Binary Mixtures of LiCl. <i>Electrochemistry</i> , 2014 , 82, 1047-1051	1.2	15
85	Electrochemical graphitization conversion of CO ₂ through soluble NaVO ₃ homogeneous catalyst in carbonate molten salt. <i>Electrochimica Acta</i> , 2020 , 331, 135461	6.7	15

84	Active cyano groups to coordinate AlCl ₂ ⁺ cation for rechargeable aluminum batteries. <i>Energy Storage Materials</i> , 2020 , 33, 250-257	19.4	15
83	Stable High-Capacity Organic Aluminum Porphyrin Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 21014468	46.8	15
82	Production of AlCrNbTaTi High Entropy Alloy via Electro-Deoxidation of Metal Oxides. <i>Journal of the Electrochemical Society</i> , 2018 , 165, D574-D579	3.9	15
81	Bismuth ferrite: an abnormal perovskite with electrochemical extraction of ions from A site. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12176-12190	13	14
80	The molten chlorides for aluminum-graphite rechargeable batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153285	5.7	14
79	Anodic Dissolution of Titanium Oxycarbide TiC _x O _{1-x} with Different O/C Ratio. <i>Journal of the Electrochemical Society</i> , 2019 , 166, E22-E28	3.9	14
78	Liquid gallium as long cycle life and recyclable negative electrode for Al-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 391, 123594	14.7	13
77	Sustainable recycling of titanium scraps and purity titanium production via molten salt electrolysis. <i>Journal of Cleaner Production</i> , 2020 , 261, 121314	10.3	13
76	Direct Production of Fe and Fe-Ni Alloy via Molten Oxides Electrolysis. <i>Journal of the Electrochemical Society</i> , 2017 , 164, E113-E116	3.9	12
75	Single-crystal and hierarchical VSe ₂ as an aluminum-ion battery cathode. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2717-2724	5.8	12
74	Three-dimensional CoO@MWNTs nanocomposite with enhanced electrochemical performance for nonenzymatic glucose biosensors and biofuel cells. <i>Royal Society Open Science</i> , 2017 , 4, 170991	3.3	12
73	Coral-Like TeO ₂ Microwires for Rechargeable Aluminum Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2416-2422	8.3	12
72	Cu-Al Composite as the Negative Electrode for Long-life Al-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A3539-A3545	3.9	11
71	A Rechargeable Al/Graphite Battery Based on AlCl ₃ /1-butyl-3-methylimidazolium Chloride Ionic Liquid Electrolyte. <i>ChemistrySelect</i> , 2019 , 4, 3018-3024	1.8	11
70	Nonmetal Current Collectors: The Key Component for High-Energy-Density Aluminum Batteries. <i>Advanced Materials</i> , 2020 , 32, e2001212	24	11
69	Cellulose-derived flake graphite as positive electrodes for Al-ion batteries. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3561-3568	5.8	11
68	Enhanced electrodeposition and separation of metallic Cr from soluble K ₂ CrO ₄ on a liquid Zn cathode. <i>Journal of Energy Chemistry</i> , 2020 , 40, 204-211	12	11
67	Coordination interaction boosts energy storage in rechargeable Al battery with a positive electrode material of CuSe. <i>Chemical Engineering Journal</i> , 2021 , 421, 127792	14.7	11

66	Improved USTB Titanium Production with a Ti ₂ CO Anode Formed by Casting. <i>Journal of the Electrochemical Society</i> , 2019 , 166, E226-E230	3.9	10
65	Hierarchical N-doped porous carbon hosts for stabilizing tellurium in promoting Al-Te batteries. <i>Journal of Energy Chemistry</i> , 2021 , 57, 378-385	12	10
64	Dual-phase MoC-Mo ₂ C nanosheets prepared by molten salt electrochemical conversion of CO ₂ as excellent electrocatalysts for the hydrogen evolution reaction. <i>Nano Energy</i> , 2021 , 90, 106533	17.1	10
63	Electrochemical Deposition of Carbon Prepared on Cu and Ni Cathodes in CaCl ₂ -LiCl Melts. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D248-D252	3.9	9
62	Stable wide-temperature and low volume expansion Al batteries: Integrating few-layer graphene with multifunctional cobalt boride nanocluster as positive electrode. <i>Nano Research</i> , 2020 , 13, 419-429	10	9
61	Solubility of Oxide Ion in Molten Chloride and Carbonate Containing Li, Na, K and/or Ca Added with Li ₂ O or CaO. <i>Journal of the Electrochemical Society</i> , 2016 , 163, E300-E304	3.9	9
60	Structural and Thermodynamic Properties of TiC _x N _y O _z Solid Solution: Experimental Study and First-Principles Approaches. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 4721-4731	2.3	9
59	Selective extraction of titanium from Ti-bearing slag via the enhanced depolarization effect of liquid copper cathode. <i>Journal of Energy Chemistry</i> , 2020 , 42, 43-48	12	9
58	Thick electrodes upon biomass-derivative carbon current collectors: High-area capacity positive electrodes for aluminum-ion batteries. <i>Electrochimica Acta</i> , 2019 , 323, 134805	6.7	8
57	Electrochemical Behavior of Fe (III) Ion in CaO-MgO-SiO ₂ -Al ₂ O ₃ -NaF-Fe ₂ O ₃ Melts at 1673 K. <i>Journal of the Electrochemical Society</i> , 2016 , 163, D710-D714	3.9	8
56	Solid-Liquid Coexisting LiNO ₃ Electrolyte for Extremely Stable Lithium Metal Anodes on a Bare Cu Foil. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 706-713	8.3	8
55	Green and sustainable molten salt electrochemistry for the conversion of secondary carbon pollutants to advanced carbon materials. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14119-14146	13	8
54	Production of Ti-Fe alloys molten oxide electrolysis at a liquid iron cathode.. <i>RSC Advances</i> , 2018 , 8, 17575-17581	5.7	8
53	Pyrophoric behaviour of ultrafine Mo powder. <i>Corrosion Science</i> , 2017 , 128, 85-93	6.8	7
52	Alternate Storage of Opposite Charges in Multisite for High-Energy-Density Al-MOF Battery.. <i>Advanced Materials</i> , 2022 , e2110109	24	7
51	Rapid Electrodeposition of Ti on a Liquid Zn Cathode from a Consumable Casting Ti _{0.5} O _{0.5} Anode. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 123502	3.9	7
50	The synthesis of sulfur-doped graphite nanostructures by direct electrochemical conversion of CO ₂ in CaCl ₂ NaCl CaO Li ₂ SO ₄ . <i>Carbon</i> , 2019 , 144, 805-814	10.4	7
49	A high-performance dual-ion cell utilizing Si nanosphere@graphene anode. <i>Electrochimica Acta</i> , 2018 , 282, 946-954	6.7	6

48	High Specific Capacitance Based on N-Doped Microporous Carbon in [EMIm]AlxCl _y Ionic Liquid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3319-A3325	3.9	6
47	Al homogeneous deposition induced by N-containing functional groups for enhanced cycling stability of Al-ion battery negative electrode. <i>Nano Research</i> , 2021 , 14, 646-653	10	6
46	A Convenient Electrochemical Method for Preparing Carbon Nanotubes Filled with Amorphous Boron. <i>Journal of the Electrochemical Society</i> , 2018 , 165, E879-E882	3.9	6
45	Depolarization Behavior of Ti Deposition at Liquid Metal Cathodes in a NaCl-KCl-KF Melt. <i>Journal of the Electrochemical Society</i> , 2019 , 166, E401-E406	3.9	5
44	Electrochemically Exfoliating Graphite Cathode to N-Doped Graphene Analogue and Its Excellent Al Storage Performance. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A1738-A1744	3.9	5
43	Rechargeable High-Capacity Antimony-Aluminum Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 080541	3.9	5
42	Production of Titanium Powder by Sodiothermic Reduction in CaCl ₂ Molten Salts. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014 , 45, 1750-1756	2.5	5
41	Pivot roles of noble metal in single-phase Ta _x Zr _{1-x} O _n (0 < x < 1). <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5394	13	5
40	Preparation and characteristics of Nb-doped indium tin oxide thin films by RF magnetron sputtering. <i>Optoelectronics Letters</i> , 2012 , 8, 460-463	0.7	5
39	A route for producing nano-CaRuO ₃ perovskite by combusting precursors prepared using reverse micelle synthesis. <i>Nanotechnology</i> , 2009 , 20, 085606	3.4	5
38	Direct electrochemical N-doping to carbon paper in molten LiCl-KCl-Li ₃ N. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020 , 27, 1687-1694	3.1	5
37	A strategy for massively suppressing the shuttle effect in rechargeable Al/Be batteries. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 4000-4009	6.8	5
36	A Review of Integrated Systems Based on Perovskite Solar Cells and Energy Storage Units: Fundamental, Progresses, Challenges, and Perspectives. <i>Advanced Science</i> , 2021 , 8, 2100552	13.6	5
35	Cobalt sulfides/carbon nanohybrids: a novel biocatalyst for nonenzymatic glucose biofuel cells and biosensors. <i>RSC Advances</i> , 2019 , 9, 32898-32905	3.7	5
34	The corrosion behavior of a Ni _{0.91} Cr _{0.04} Cu _{0.05} anode for the electroreduction of Fe ₂ O ₃ in molten NaOH. <i>Journal of Alloys and Compounds</i> , 2018 , 769, 977-982	5.7	5
33	Electrochemical behavior of NiCl ₂ /Ni in acidic AlCl ₃ -based ionic liquid electrolyte. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1909-1917	6.8	4
32	Photo-electrochemical enhanced mechanism enables a fast-charging and high-energy aqueous Al/MnO ₂ battery. <i>Energy Storage Materials</i> , 2022 , 45, 586-594	19.4	4
31	A dual-protection strategy using CMK-3 coated selenium and modified separators for high-energy Al/Be batteries. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1030-1038	6.8	4

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