Shu-Qiang Jiao

List of Publications by Year
in descending order

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179	8,193	46918	58464
papers	citations	47	82
		h-index	g-index

182	182	182	5972
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new aluminium-ion battery with high voltage, high safety and low cost. Chemical Communications, 2015, 51, 11892-11895.	2.2	411
2	High-Performance Aluminum-Ion Battery with CuS@C Microsphere Composite Cathode. ACS Nano, 2017, 11, 469-477.	7.3	388
3	A Novel Aluminumâ€ion Battery: Al/AlCl₃â€[EMIm]Cl/Ni₃S₂@Graphene. Advanced Energy Materials, 2016, 6, 1600137.	10.2	365
4	A new cathode material for super-valent battery based on aluminium ion intercalation and deintercalation. Scientific Reports, 2013, 3, 3383.	1.6	286
5	Flexible Stable Solidâ€State Alâ€ion Batteries. Advanced Functional Materials, 2019, 29, 1806799.	7.8	177
6	Rechargeable ultrahigh-capacity telluriumâ€“aluminum batteries. Energy and Environmental Science, 2019, 12, 1918-1927.	15.6	172
7	High-performance p-Cu₂O/n-TaON heterojunction nanorod photoanodes passivated with an ultrathin carbon sheath for photoelectrochemical water splitting. Energy and Environmental Science, 2014, 7, 3758-3768.	15.6	170
8	Microspheric Na₂Ti₃O₇consisting of tiny nanotubes: an anode material for sodium-ion batteries with ultrafast chargeâ€“discharge rates. Nanoscale, 2013, 5, 594-599.	2.8	167
9	Hexagonal NiS nanobelts as advanced cathode materials for rechargeable Al-ion batteries. Chemical Communications, 2016, 52, 10427-10430.	2.2	167
10	Efficient visible-light-driven photocatalytic hydrogen production using CdS@TaON coreâ€“shell composites coupled with graphene oxide nanosheets. Journal of Materials Chemistry, 2012, 22, 7291.	6.7	157
11	A long-life rechargeable Al ion battery based on molten salts. Journal of Materials Chemistry A, 2017, 5, 1282-1291.	5.2	153
12	A rechargeable Al-ion battery: Al/molten AlCl₃â€“urea/graphite. Chemical Communications, 2017, 53, 2331-2334.	2.2	147
13	Nonaqueous Rechargeable Aluminum Batteries: Progresses, Challenges, and Perspectives. Chemical Reviews, 2021, 121, 4903-4961.	23.0	147
14	An industrialized prototype of the rechargeable Al/AlCl 3 -[EMIm]Cl/graphite battery and recycling of the graphitic cathode into graphene. Carbon, 2016, 109, 276-281.	5.4	129
15	Porous CuO microsphere architectures as high-performance cathode materials for aluminum-ion batteries. Journal of Materials Chemistry A, 2018, 6, 3084-3090.	5.2	128
16	Novel metallurgical process for titanium production. Journal of Materials Research, 2006, 21, 2172-2175.	1.2	117
17	Hierarchical metastable Î³-TaON hollow structures for efficient visible-light water splitting. Energy and Environmental Science, 2013, 6, 2134.	15.6	104
18	Hierarchically Plasmonic Z-Scheme Photocatalyst of Ag/AgCl Nanocrystals Decorated Mesoporous Single-Crystalline Metastable Bi₂₀TiO₃₂ Nanosheets. Journal of Physical Chemistry C, 2013, 117, 5132-5141.	1.5	103

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19	Flowerâ€like Vanadium Suflide/Reduced Graphene Oxide Composite: An Energy Storage Material for Aluminumâ€ion Batteries. ChemSusChem, 2018, 11, 709-715.	3.6	101
20	A Novel Ultrafast Rechargeable Multiâ€ions Battery. Advanced Materials, 2017, 29, 1606349.	11.1	97
21	Electrolysis of Ti2CO solid solution prepared by TiC and TiO2. Journal of Alloys and Compounds, 2007, 438, 243-246.	2.8	96
22	Development of an Inert Anode for Electrowinning in Calcium Chlorideâ€“Calcium Oxide Melts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2010, 41, 74-79.	1.0	96
23	Single crystalline Na₂Ti₃O₇rods as an anode material for sodium-ion batteries. RSC Advances, 2013, 3, 1041-1044.	1.7	95
24	Cobalt-bilayer catalyst decorated Ta3N5 nanorod arrays as integrated electrodes for photoelectrochemical water oxidation. Energy and Environmental Science, 2013, 6, 3322.	15.6	94
25	Three-dimensional Z-scheme AgCl/Ag/Î³-TaON heterostructural hollow spheres for enhanced visible-light photocatalytic performance. Applied Catalysis B: Environmental, 2013, 142-143, 579-589.	10.8	89
26	A novel dual-graphite aluminum-ion battery. Energy Storage Materials, 2018, 12, 119-127.	9.5	86
27	Ordered WO_{3â^'x} nanorods: facile synthesis and their electrochemical properties for aluminum-ion batteries. Chemical Communications, 2018, 54, 1343-1346.	2.2	86
28	Cu₃P as a novel cathode material for rechargeable aluminum-ion batteries. Journal of Materials Chemistry A, 2019, 7, 8368-8375.	5.2	85
29	Dense graphene papers: Toward stable and recoverable Al-ion battery cathodes with high volumetric and areal energy and power density. Energy Storage Materials, 2018, 13, 103-111.	9.5	81
30	Direct Conversion of Greenhouse Gas CO₂ into Graphene via Molten Salts Electrolysis. ChemSusChem, 2016, 9, 588-594.	3.6	80
31	Mgâ€“Ti co-doping behavior of porous LiFePO₄ microspheres for high-rate lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 17021-17028.	5.2	80
32	Ultraâ€Lightweight 3D Carbon Current Collectors: Constructing Allâ€Carbon Electrodes for Stable and High Energy Density Dualâ€ion Batteries. Advanced Energy Materials, 2018, 8, 1801439.	10.2	80
33	Bi2O3 quantum-dot decorated nitrogen-doped Bi3NbO7 nanosheets: in situ synthesis and enhanced visible-light photocatalytic activity. CrystEngComm, 2012, 14, 5923.	1.3	71
34	Rechargeable Nickel Telluride/Aluminum Batteries with High Capacity and Enhanced Cycling Performance. ACS Nano, 2020, 14, 3469-3476.	7.3	70
35	Current efficiency studies for graphite and SnO2-based anodes for the electro-deoxidation of metal oxides. Electrochimica Acta, 2010, 55, 7126-7133.	2.6	69
36	Capture and electrochemical conversion of CO₂to ultrathin graphite sheets in CaCl₂-based melts. Journal of Materials Chemistry A, 2015, 3, 21211-21218.	5.2	68

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37	In situ chemical reduction of the Ta3N5 quantum dots coupled TaON hollow spheres heterojunction photocatalyst for water oxidation. Journal of Materials Chemistry, 2012, 22, 21972.	6.7	65
38	Chromium-doped bismuth titanate nanosheets as enhanced visible-light photocatalysts with a high percentage of reactive {110} facets. Journal of Materials Chemistry, 2011, 21, 7296.	6.7	63
39	A novel three-dimensional carbonized PANI1600@CNTs network for enhanced enzymatic biofuel cell. Biosensors and Bioelectronics, 2018, 101, 60-65.	5.3	61
40	High-efficiency transformation of amorphous carbon into graphite nanoflakes for stable aluminum-ion battery cathodes. Nanoscale, 2019, 11, 12537-12546.	2.8	61
41	Nickel Phosphide Nanosheets Supported on Reduced Graphene Oxide for Enhanced Aluminum-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 6004-6012.	3.2	61
42	Metalâ€“Organic Framework-Derived Co₃O₄@MWCNTs Polyhedron as Cathode Material for a High-Performance Aluminum-Ion Battery. ACS Sustainable Chemistry and Engineering, 2019, 7, 16200-16208.	3.2	55
43	Gel electrolytes with a wide potential window for high-rate Al-ion batteries. Journal of Materials Chemistry A, 2019, 7, 20348-20356.	5.2	54
44	Stable Highâ€Capacity Organic Aluminumâ€“Porphyrin Batteries. Advanced Energy Materials, 2021, 11, 2101446.	10.2	54
45	Electrochemically assembling of a porous nano-polyaniline network in a reverse micelle and its application in a supercapacitor. Journal of Materials Chemistry, 2011, 21, 9027.	6.7	53
46	A Rechargeable Alâ€“Te Battery. ACS Applied Energy Materials, 2018, 1, 4924-4930.	2.5	51
47	Exfoliation Mechanism of Graphite Cathode in Ionic Liquids. ACS Applied Materials & Interfaces, 2017, 9, 36702-36707.	4.0	50
48	Active cyano groups to coordinate AlCl2+ cation for rechargeable aluminum batteries. Energy Storage Materials, 2020, 33, 250-257.	9.5	49
49	Hydrothermal synthesis of CdS/CdLa2S4 heterostructures for efficient visible-light-driven photocatalytic hydrogen production. RSC Advances, 2012, 2, 10330.	1.7	48
50	Electrochemical deposition of carbon in LiClâ€“NaClâ€“Na2CO3 melts. Carbon, 2016, 98, 649-657.	5.4	48
51	Dual-phase MoC-Mo2C nanosheets prepared by molten salt electrochemical conversion of CO2 as excellent electrocatalysts for the hydrogen evolution reaction. Nano Energy, 2021, 90, 106533.	8.2	48
52	Production of NiTi shape memory alloys via electro-deoxidation utilizing an inert anode. Electrochimica Acta, 2010, 55, 7016-7020.	2.6	46
53	Preparation of Titanium Deposit in Chloride Melts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2011, 42, 1181-1187.	1.0	45
54	Electrochemical deposition of carbon nanotubes from CO₂in CaCl₂â€“NaCl-based melts. Journal of Materials Chemistry A, 2017, 5, 6219-6225.	5.2	45

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55	Direct electrochemistry and bioelectrocatalysis of glucose oxidase in CS/CNC film and its application in glucose biosensing and biofuel cells. RSC Advances, 2017, 7, 4572-4579.	1.7	44
56	Electrochemical Conversion of CO₂ into Negative Electrode Materials for Liâ€Ion Batteries. ChemElectroChem, 2015, 2, 224-230.	1.7	43
57	The electrochemical behavior of an aluminum alloy anode for rechargeable Al-ion batteries using an AlCl₃â€“urea liquid electrolyte. RSC Advances, 2017, 7, 32288-32293.	1.7	41
58	Self-supporting lithiophilic N-doped carbon rod array for dendrite-free lithium metal anode. Chemical Engineering Journal, 2019, 363, 270-277.	6.6	41
59	Ternary AlCl₃-Urea-[EMIm]Cl Ionic Liquid Electrolyte for Rechargeable Aluminum-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A3093-A3100.	1.3	40
60	Room temperature solid state dual-ion batteries based on gel electrolytes. Journal of Materials Chemistry A, 2018, 6, 4313-4323.	5.2	40
61	Direct Preparation of Titanium Alloys from Ti-Bearing Blast Furnace Slag. Journal of the Electrochemical Society, 2017, 164, D511-D516.	1.3	39
62	Alternate Storage of Opposite Charges in Multisites for Highâ€Energyâ€Density Alâ€“MOF Batteries. Advanced Materials, 2022, 34, e2110109.	11.1	39
63	Sb₂Se₃ nanorods with N-doped reduced graphene oxide hybrids as high-capacity positive electrode materials for rechargeable aluminum batteries. Nanoscale, 2019, 11, 16437-16444.	2.8	38
64	A review on liquid metals as cathodes for molten salt/oxide electrolysis. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 1588-1598.	2.4	38
65	Self-supporting and high-loading hierarchically porous Co-P cathode for advanced Al-ion battery. Chemical Engineering Journal, 2020, 389, 124370.	6.6	38
66	Modified separators for rechargeable high-capacity selenium-aluminium batteries. Chemical Engineering Journal, 2020, 385, 123452.	6.6	36
67	The Equilibrium Between Titanium Ions and Titanium Metal in NaCl-KCl Equimolar Molten Salt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2013, 44, 906-913.	1.0	35
68	A green electrochemical transformation of inferior coals to crystalline graphite for stable Li-ion storage. Journal of Materials Chemistry A, 2019, 7, 7533-7540.	5.2	35
69	Facile synthesis of Ni₁₁(HPO₃)₈(OH)₆/rGO nanorods with enhanced electrochemical performance for aluminum-ion batteries. Nanoscale, 2018, 10, 21284-21291.	2.8	34
70	The influence of fluoride ions on the equilibrium between titanium ions and titanium metal in fused alkali chloride melts. Faraday Discussions, 2016, 190, 421-432.	1.6	33
71	High thermoelectric performance of all-oxide heterostructures with carrier double-barrier filtering effect. NPG Asia Materials, 2015, 7, e182-e182.	3.8	32
72	Green and sustainable molten salt electrochemistry for the conversion of secondary carbon pollutants to advanced carbon materials. Journal of Materials Chemistry A, 2021, 9, 14119-14146.	5.2	32

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73	Carbon-modified bismuth titanate nanorods with enhanced visible-light-driven photocatalytic property. CrystEngComm, 2011, 13, 4735.	1.3	30
74	Aluminumâ€Ion Asymmetric Supercapacitor Incorporating Carbon Nanotubes and an Ionic Liquid Electrolyte: Al/AlCl₃â€[EMIm]Cl/CNTs. Energy Technology, 2016, 4, 1112-1118.	1.8	30
75	The molten chlorides for aluminum-graphite rechargeable batteries. Journal of Alloys and Compounds, 2020, 821, 153285.	2.8	30
76	Electrochemical dissolution behavior of conductive TiCxO1â€“x solid solutions. Pure and Applied Chemistry, 2010, 82, 1691-1699.	0.9	29
77	Coral-Like TeO₂ Microwires for Rechargeable Aluminum Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 2416-2422.	3.2	29
78	Coordination interaction boosts energy storage in rechargeable Al battery with a positive electrode material of CuSe. Chemical Engineering Journal, 2021, 421, 127792.	6.6	28
79	An investigation into the electrochemical recovery of rare earth ions in a CsCl-based molten salt. Journal of Hazardous Materials, 2011, 189, 821-826.	6.5	27
80	The Cathodic Behavior of Ti(III) Ion in a NaCl-2CsCl Melt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 804-810.	1.0	27
81	The Effects of Anions Behaviors on Electrochemical Properties of Al/Graphite Rechargeable Aluminum-Ion Battery via Molten AlCl₃-NaCl Liquid Electrolyte. Journal of the Electrochemical Society, 2017, 164, A3292-A3302.	1.3	27
82	Shape-Controlled Synthesis of Ultrafine Molybdenum Crystals via Salt-Assisted Reduction of MoO₂ with H₂. Journal of Physical Chemistry C, 2018, 122, 10231-10239.	1.5	27
83	Production of AlCrNbTaTi High Entropy Alloy via Electro-Deoxidation of Metal Oxides. Journal of the Electrochemical Society, 2018, 165, D574-D579.	1.3	27
84	All-carbon positive electrodes for stable aluminium batteries. Journal of Energy Chemistry, 2020, 42, 17-26.	7.1	27
85	Equilibrium between titanium ions and high-purity titanium electrorefining in a NaCl-KCl melt. International Journal of Minerals, Metallurgy and Materials, 2014, 21, 660-665.	2.4	26
86	Single-crystal and hierarchical VSe₂ as an aluminum-ion battery cathode. Sustainable Energy and Fuels, 2019, 3, 2717-2724.	2.5	26
87	Electrochemical graphitization conversion of CO2 through soluble NaVO3 homogeneous catalyst in carbonate molten salt. Electrochimica Acta, 2020, 331, 135461.	2.6	26
88	Nonmetal Current Collectors: The Key Component for Highâ€Energyâ€Density Aluminum Batteries. Advanced Materials, 2020, 32, e2001212.	11.1	26
89	Sustainable recycling of titanium scraps and purity titanium production via molten salt electrolysis. Journal of Cleaner Production, 2020, 261, 121314.	4.6	26
90	Al-Based porous coordination polymer derived nanoporous carbon for immobilization of glucose oxidase and its application in glucose/O₂ biofuel cell and biosensor. RSC Advances, 2017, 7, 11872-11879.	1.7	25

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91	Bismuth ferrite: an abnormal perovskite with electrochemical extraction of ions from A site. Journal of Materials Chemistry A, 2019, 7, 12176-12190.	5.2	25
92	Liquid gallium as long cycle life and recyclable negative electrode for Al-ion batteries. Chemical Engineering Journal, 2020, 391, 123594.	6.6	25
93	3D flower-like NaHTi₃O₇ nanotubes as high-performance anodes for sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 16528-16534.	5.2	24
94	A nitrogen-doped graphene cathode for high-capacitance aluminum-ion hybrid supercapacitors. New Journal of Chemistry, 2018, 42, 15684-15691.	1.4	24
95	The potential application of black and blue phosphorene as cathode materials in rechargeable aluminum batteries: a first-principles study. Physical Chemistry Chemical Physics, 2019, 21, 7021-7028.	1.3	24
96	Applying Co₃O₄@nanoporous Carbon to Nonenzymatic Glucose Biofuel Cell and Biosensor. Electroanalysis, 2018, 30, 525-532.	1.5	23
97	Selective extraction of titanium from Ti-bearing slag via the enhanced depolarization effect of liquid copper cathode. Journal of Energy Chemistry, 2020, 42, 43-48.	7.1	23
98	Hierarchical N-doped porous carbon hosts for stabilizing tellurium in promoting Al-Te batteries. Journal of Energy Chemistry, 2021, 57, 378-385.	7.1	23
99	Electrochemically depositing titanium(<scp>iii</scp>) ions at liquid tin in a NaClâ€“KCl melt. RSC Advances, 2015, 5, 62235-62240.	1.7	22
100	NiCo₂S₄ Nanosheet with Hexagonal Architectures as an Advanced Cathode for Al-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A3504-A3509.	1.3	21
101	Cellulose-derived flake graphite as positive electrodes for Al-ion batteries. Sustainable Energy and Fuels, 2019, 3, 3561-3568.	2.5	21
102	Electrocatalysis for Continuous Multiâ€Step Reactions in Quasiâ€Solidâ€State Electrolytes Towards Highâ€Energy and Longâ€Life Aluminumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21
103	Self-assembled amorphous manganese oxide/hydroxide spheres via multi-phase electrochemical interactions in reverse micelle electrolytes and their capacitive behavior. Journal of Materials Chemistry A, 2013, 1, 5136.	5.2	20
104	The Equilibrium between Titanium Ions and Metallic Titanium in the Molten Binary Mixtures of LiCl. Electrochemistry, 2014, 82, 1047-1051.	0.6	20
105	Electrochemical Metallurgy in CaCl₂-CaO Melts on the Basis of TiO₂Â·RuO₂Inert Anode. Journal of the Electrochemical Society, 2016, 163, E33-E38.	1.3	20
106	Hierarchical Flower-Like MoS₂ Microspheres and Their Efficient Al Storage Properties. Journal of Physical Chemistry C, 2019, 123, 26794-26802.	1.5	20
107	Cu-Al Composite as the Negative Electrode for Long-life Al-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A3539-A3545.	1.3	20
108	A Rechargeable Al/Graphite Battery Based on AlCl₃/1â€butylâ€3â€methylimidazolium Chloride Ionic Liquid Electrolyte. ChemistrySelect, 2019, 4, 3018-3024.	0.7	20

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109	A cobalt-based metalâ€“organic framework and its derived material as sulfur hosts for aluminumâ€“sulfur batteries with the chemical anchoring effect. Physical Chemistry Chemical Physics, 2021, 23, 10326-10334.	1.3	20
110	Al homogeneous deposition induced by N-containing functional groups for enhanced cycling stability of Al-ion battery negative electrode. Nano Research, 2021, 14, 646-653.	5.8	19
111	A Review of Integrated Systems Based on Perovskite Solar Cells and Energy Storage Units: Fundamental, Progresses, Challenges, and Perspectives. Advanced Science, 2021, 8, 2100552.	5.6	19
112	Photo-electrochemical enhanced mechanism enables a fast-charging and high-energy aqueous Al/MnO2 battery. Energy Storage Materials, 2022, 45, 586-594.	9.5	19
113	Stable Quasiâ€Solidâ€State Aluminum Batteries. Advanced Materials, 2022, 34, e2104557.	11.1	19
114	Experimental and firstâ€principles study of Tiâ€“Câ€“O system: Interplay of thermodynamic and structural properties. Journal of the American Ceramic Society, 2017, 100, 2253-2265.	1.9	17
115	A dual-protection strategy using CMK-3 coated selenium and modified separators for high-energy Alâ€“Se batteries. Inorganic Chemistry Frontiers, 2021, 8, 1030-1038.	3.0	16
116	Three-dimensional Co₃O₄@MWNTs nanocomposite with enhanced electrochemical performance for nonenzymatic glucose biosensors and biofuel cells. Royal Society Open Science, 2017, 4, 170991.	1.1	15
117	Anodic Dissolution of Titanium Oxycarbide TiCxO1-x with Different O/C Ratio. Journal of the Electrochemical Society, 2019, 166, E22-E28.	1.3	15
118	Enhanced electrodeposition and separation of metallic Cr from soluble K2CrO4 on a liquid Zn cathode. Journal of Energy Chemistry, 2020, 40, 204-211.	7.1	15
119	Stable wide-temperature and low volume expansion Al batteries: Integrating few-layer graphene with multifunctional cobalt boride nanocluster as positive electrode. Nano Research, 2020, 13, 419-429.	5.8	15
120	Design Strategies of Highâ€Performance Positive Materials for Nonaqueous Rechargeable Aluminum Batteries: From Crystal Control to Battery Configuration. Small, 2022, 18, .	5.2	15
121	The synthesis of sulfur-doped graphite nanostructures by direct electrochemical conversion of CO2 in CaCl2NaCl CaO Li2SO4. Carbon, 2019, 144, 805-814.	5.4	14
122	Mechano-electrochemical perspectives on flexible lithium-ion batteries. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 1019-1036.	2.4	14
123	Solubility of Oxide Ion in Molten Chloride and Carbonate Containing Li, Na, K and/or Ca Added with Li₂O or CaO. Journal of the Electrochemical Society, 2016, 163, E300-E304.	1.3	13
124	Electrochemical Deposition of Carbon Prepared on Cu and Ni Cathodes in CaCl₂-LiCl Melts. Journal of the Electrochemical Society, 2017, 164, D248-D252.	1.3	13
125	Direct Production of Fe and Fe-Ni Alloy via Molten Oxides Electrolysis. Journal of the Electrochemical Society, 2017, 164, E113-E116.	1.3	13
126	Production of Tiâ€“Fe alloys via molten oxide electrolysis at a liquid iron cathode. RSC Advances, 2018, 8, 17575-17581.	1.7	13

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127	A high-performance dual-ion cell utilizing Si nanosphere@graphene anode. Electrochimica Acta, 2018, 282, 946-954.	2.6	13
128	Improved USTB Titanium Production with a Ti₂CO Anode Formed by Casting. Journal of the Electrochemical Society, 2019, 166, E226-E230.	1.3	13
129	Surface Evolution of Aluminum Electrodes in Non-Aqueous Aluminum Batteries. Journal of the Electrochemical Society, 2020, 167, 130530.	1.3	13
130	Advances in Molten Salt Synthesis of Nonâ€oxide Materials. Energy and Environmental Materials, 2023, 6, .	7.3	13
131	Structural and Thermodynamic Properties of TiC x N y O z Solid Solution: Experimental Study and First-Principles Approaches. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4721-4731.	1.1	12
132	Electrochemical Behavior of Fe (III) Ion in CaO-MgO-SiO₂-Al₂O₃-NaF-Fe₂O₃Melts at 1673 K. Journal of the Electrochemical Society, 2016, 163, D710-D714.	1.3	12
133	Pyrophoric behaviour of ultrafine Mo powder. Corrosion Science, 2017, 128, 85-93.	3.0	12
134	Thick electrodes upon biomass-derivative carbon current collectors: High-areal capacity positive electrodes for aluminum-ion batteries. Electrochimica Acta, 2019, 323, 134805.	2.6	12
135	Direct electrochemical N-doping to carbon paper in molten LiCl-KCl-Li3N. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 1687-1694.	2.4	12
136	Self-supporting and dual-active 3D Co-S nanosheets constructed by ligand replacement reaction from MOF for rechargeable Al battery. Journal of Energy Chemistry, 2022, 69, 35-43.	7.1	12
137	Solidâ€“Liquid Coexisting LiNO₃ Electrolyte for Extremely Stable Lithium Metal Anodes on a Bare Cu Foil. ACS Sustainable Chemistry and Engineering, 2020, 8, 706-713.	3.2	11
138	A 4D x-ray computer microtomography for high-temperature electrochemistry. Science Advances, 2022, 8, eabm5678.	4.7	11
139	High Specific Capacitance Based on N-Doped Microporous Carbon in [EMIm]Al_xCl_yIonic Liquid Electrolyte. Journal of the Electrochemical Society, 2017, 164, A3319-A3325.	1.3	10
140	An investigation into the anodic behavior of TiB2 in a CaCl2-based molten salt. Corrosion Science, 2021, 178, 109089.	3.0	10
141	Size-controlled synthesis of Mo powders via hydrogen reduction of MoO2 powders with the assistance of Mo nuclei. International Journal of Hydrogen Energy, 2020, 45, 1435-1443.	3.8	9
142	Rapid Electrodeposition of Ti on a Liquid Zn Cathode from a Consumable Casting TiC_{0.5}O_{0.5} Anode. Journal of the Electrochemical Society, 2020, 167, 123502.	1.3	9
143	Quantificational 4D Visualization of Industrial Electrodeposition. Advanced Science, 2021, 8, e2101373.	5.6	9
144	Graphene-encapsulated selenium@polyaniline nanowires with three-dimensional hierarchical architecture for high-capacity aluminumâ€“selenium batteries. Journal of Materials Chemistry A, 2022, 10, 15146-15154.	5.2	9

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145	The corrosion behavior of a Ni0.91Cr0.04Cu0.05 anode for the electroreduction of Fe2O3 in molten NaOH. Journal of Alloys and Compounds, 2018, 769, 977-982.	2.8	8
146	A strategy for massively suppressing the shuttle effect in rechargeable Alâ€“Te batteries. Inorganic Chemistry Frontiers, 2020, 7, 4000-4009.	3.0	8
147	Rechargeable High-Capacity Antimony-Aluminum Batteries. Journal of the Electrochemical Society, 2020, 167, 080541.	1.3	8
148	Electrochemical behavior of NiCl₂/Ni in acidic AlCl₃-based ionic liquid electrolyte. Inorganic Chemistry Frontiers, 2020, 7, 1909-1917.	3.0	8
149	Initial Electrode Kinetics of Anion Intercalation and Deâ€intercalation in Nonaqueous Alâ€Graphite Batteries â€. Chinese Journal of Chemistry, 2021, 39, 157-164.	2.6	8
150	Stable and low-voltage-hysteresis zinc negative electrode promoting aluminum dual-ion batteries. Chemical Engineering Journal, 2022, 430, 132743.	6.6	8
151	Clean preparation of V2O3 by one-step molten salt electrochemical reduction of soluble NaVO3. Separation and Purification Technology, 2022, 285, 120346.	3.9	8
152	Production of Titanium Powder by Sodiothermic Reduction in CaCl2 Molten Salts. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 1750-1756.	1.0	7
153	Ni0.36Al0.10Cu0.30Fe0.24 Metallic Inert Anode for the Electrochemical Production of Fe-Ni Alloy in Molten K2CO3-Na2CO3. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 3424-3431.	1.0	7
154	Sustainable One-Step Conversion of Soluble NaVO₃ into CaV₂O₄ through Molten Salt Electrolysis. Journal of the Electrochemical Society, 2019, 166, E407-E411.	1.3	7
155	Sb₂Te₃ Hexagonal Nanosheets as High-Capacity Positive Materials for Rechargeable Aluminum Batteries. ACS Applied Energy Materials, 2020, 3, 12635-12643.	2.5	7
156	Preparation and characteristics of Nb-doped indium tin oxide thin films by RF magnetron sputtering. Optoelectronics Letters, 2012, 8, 460-463.	0.4	6
157	A Convenient Electrochemical Method for Preparing Carbon Nanotubes Filled with Amorphous Boron. Journal of the Electrochemical Society, 2018, 165, E879-E882.	1.3	6
158	In Situ Time-Resolved X-ray Absorption Fine Structure and Small Angle X-ray Scattering Revealed an Unexpected Phase Structure Transformation during the Growth of Nickel Phosphide Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 16397-16405.	1.5	6
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