Shu-Qiang Jiao

List of Publications by Year in Descending Order

173 papers	5,968 citations	40 h-index	71 g-index
182 ext. papers	7,049 ext. citations	9.1 avg, IF	6.29 L-index

#	Paper	IF	Citations
173	Alternate Storage of Opposite Charges in Multisite for High-Energy-Density Al-MOF Battery.. *Advanced Materials*, **2022**, e2110109	24	7
172	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	12	1
171	Photo-electrochemical enhanced mechanism enables a fast-charging and high-energy aqueous Al/MnO2 battery. *Energy Storage Materials*, **2022**, 45, 586-594	19.4	4
170	Clean preparation of V2O3 by one-step molten salt electrochemical reduction of soluble NaVO3. *Separation and Purification Technology*, **2022**, 285, 120346	8.3	0
169	Modified Al negative electrode for stable high-capacity Al□e batteries. *International Journal of Minerals, Metallurgy and Materials*, **2022**, 29, 896-904	3.1	0
168	A 4D x-ray computer microtomography for high-temperature electrochemistry.. *Science Advances*, **2022**, 8, eabm5678	14.3	2
167	Mechano-electrochemical perspectives on flexible lithium-ion batteries. *International Journal of Minerals, Metallurgy and Materials*, **2022**, 29, 1019-1036	3.1	2
166	Facile preparation of metallic vanadium from consumable V2CO solid solution by molten salt electrolysis. *Separation and Purification Technology*, **2022**, 295, 121361	8.3	
165	Stable quasi-solid-state Aluminum Batteries. *Advanced Materials*, **2021**, e2104557	24	2
164	Electrochemical Behaviors of Consumable Ti2CO@Al2O3 Anode for Ti Extraction by USTB Process. *Journal of the Electrochemical Society*, **2021**, 168, 103508	3.9	0
163	Quantificational 4D Visualization of Industrial Electrodeposition. *Advanced Science*, **2021**, e2101373	13.6	2
162	Nonaqueous Rechargeable Aluminum Batteries: Progresses, Challenges, and Perspectives. *Chemical Reviews*, **2021**, 121, 4903-4961	68.1	34
161	A Review of Integrated Systems Based on Perovskite Solar Cells and Energy Storage Units: Fundamental, Progresses, Challenges, and Perspectives. *Advanced Science*, **2021**, 8, 2100552	13.6	5
160	Stable High-Capacity Organic Aluminum□Porphyrin Batteries. *Advanced Energy Materials*, **2021**, 11, 2101426	26.8	15
159	Hierarchical N-doped porous carbon hosts for stabilizing tellurium in promoting Al-Te batteries. *Journal of Energy Chemistry*, **2021**, 57, 378-385	12	10
158	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	10	6
157	A dual-protection strategy using CMK-3 coated selenium and modified separators for high-energy Al□e batteries. *Inorganic Chemistry Frontiers*, **2021**, 8, 1030-1038	6.8	4

156	Coordination interaction boosts energy storage in rechargeable Al battery with a positive electrode material of CuSe. *Chemical Engineering Journal*, **2021**, 421, 127792	14.7	11
155	An investigation into the anodic behavior of TiB2 in a CaCl2-based molten salt. *Corrosion Science*, **2021**, 178, 109089	6.8	3
154	Initial Electrode Kinetics of Anion Intercalation and De-intercalation in Nonaqueous Al-Graphite Batteries *Chinese Journal of Chemistry*, **2021**, 39, 157-164	4.9	3
153	A cobalt-based metal-organic framework and its derived material as sulfur hosts for aluminum-sulfur batteries with the chemical anchoring effect. *Physical Chemistry Chemical Physics*, **2021**, 23, 10326-10334	3.6	2
152	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	13	8
151	Stable and low-voltage-hysteresis zinc negative electrode promoting aluminum dual-ion batteries. *Chemical Engineering Journal*, **2021**, 132743	14.7	1
150	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	17.1	10
149	Rechargeable High-Capacity Antimony-Aluminum Batteries. *Journal of the Electrochemical Society*, **2020**, 167, 080541	3.9	5
148	Titanium production through electrolysis of titanium oxycarbide consumable anode the USTB process **2020**, 315-329		1
147	Preparation of petaloid graphite nanoflakes in molten salt for high-performance lithium-ion batteries. *Ionics*, **2020**, 26, 3351-3358	2.7	2
146	Rechargeable Nickel Telluride/Aluminum Batteries with High Capacity and Enhanced Cycling Performance. *ACS Nano*, **2020**, 14, 3469-3476	16.7	36
145	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	10	9
144	Self-supporting and high-loading hierarchically porous Co-P cathode for advanced Al-ion battery. *Chemical Engineering Journal*, **2020**, 389, 124370	14.7	28
143	Electrochemical behavior of NiCl2/Ni in acidic AlCl3-based ionic liquid electrolyte. *Inorganic Chemistry Frontiers*, **2020**, 7, 1909-1917	6.8	4
142	Rapid Electrodeposition of Ti on a Liquid Zn Cathode from a Consumable Casting TiC0.5O0.5 Anode. *Journal of the Electrochemical Society*, **2020**, 167, 123502	3.9	7
141	Surface Evolution of Aluminum Electrodes in Non-Aqueous Aluminum Batteries. *Journal of the Electrochemical Society*, **2020**, 167, 130530	3.9	3
140	Direct electrochemical N-doping to carbon paper in molten LiCl-KCl-Li3N. *International Journal of Minerals, Metallurgy and Materials*, **2020**, 27, 1687-1694	3.1	5
139	Modified separators for rechargeable high-capacity selenium-aluminium batteries. *Chemical Engineering Journal*, **2020**, 385, 123452	14.7	16

138	The molten chlorides for aluminum-graphite rechargeable batteries. *Journal of Alloys and Compounds*, **2020**, 821, 153285	5.7	14
137	Electrochemical graphitization conversion of CO2 through soluble NaVO3 homogeneous catalyst in carbonate molten salt. *Electrochimica Acta*, **2020**, 331, 135461	6.7	15
136	Solid–liquid Coexisting LiNO3 Electrolyte for Extremely Stable Lithium Metal Anodes on a Bare Cu Foil. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 706-713	8.3	8
135	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	6.7	2
134	Liquid gallium as long cycle life and recyclable negative electrode for Al-ion batteries. *Chemical Engineering Journal*, **2020**, 391, 123594	14.7	13
133	Active cyano groups to coordinate AlCl2+ cation for rechargeable aluminum batteries. *Energy Storage Materials*, **2020**, 33, 250-257	19.4	15
132	Coral-Like TeO2 Microwires for Rechargeable Aluminum Batteries. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2416-2422	8.3	12
131	Sb2Te3 Hexagonal Nanosheets as High-Capacity Positive Materials for Rechargeable Aluminum Batteries. *ACS Applied Energy Materials*, **2020**, 3, 12635-12643	6.1	2
130	A review on liquid metals as cathodes for molten salt/oxide electrolysis. *International Journal of Minerals, Metallurgy and Materials*, **2020**, 27, 1588-1598	3.1	19
129	Nonmetal Current Collectors: The Key Component for High-Energy-Density Aluminum Batteries. *Advanced Materials*, **2020**, 32, e2001212	24	11
128	A strategy for massively suppressing the shuttle effect in rechargeable Al–Te batteries. *Inorganic Chemistry Frontiers*, **2020**, 7, 4000-4009	6.8	5
127	All-carbon positive electrodes for stable aluminium batteries. *Journal of Energy Chemistry*, **2020**, 42, 17-26	12	18
126	Enhanced electrodeposition and separation of metallic Cr from soluble K2CrO4 on a liquid Zn cathode. *Journal of Energy Chemistry*, **2020**, 40, 204-211	12	11
125	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	12	9
124	Sustainable recycling of titanium scraps and purity titanium production via molten salt electrolysis. *Journal of Cleaner Production*, **2020**, 261, 121314	10.3	13
123	N-doped mixed Co, Ni-oxides with petal structure as effective catalysts for hydrogen and oxygen evolution by water splitting.. *RSC Advances*, **2020**, 11, 1022-1029	3.7	3
122	Cu-Al Composite as the Negative Electrode for Long-life Al-Ion Batteries. *Journal of the Electrochemical Society*, **2019**, 166, A3539-A3545	3.9	11
121	Metal–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	8.3	32

120	Depolarization Behavior of Ti Deposition at Liquid Metal Cathodes in a NaCl-KCl-KF Melt. *Journal of the Electrochemical Society*, **2019**, 166, E401-E406	3.9	5
119	Sustainable One-Step Conversion of Soluble NaVO3 into CaV2O4 through Molten Salt Electrolysis. *Journal of the Electrochemical Society*, **2019**, 166, E407-E411	3.9	3
118	Thick electrodes upon biomass-derivative carbon current collectors: High-areal capacity positive electrodes for aluminum-ion batteries. *Electrochimica Acta*, **2019**, 323, 134805	6.7	8
117	Self-supporting lithiophilic N-doped carbon rod array for dendrite-free lithium metal anode. *Chemical Engineering Journal*, **2019**, 363, 270-277	14.7	31
116	High-efficiency transformation of amorphous carbon into graphite nanoflakes for stable aluminum-ion battery cathodes. *Nanoscale*, **2019**, 11, 12537-12546	7.7	34
115	Electrochemically Exfoliating Graphite Cathode to N-Doped Graphene Analogue and Its Excellent Al Storage Performance. *Journal of the Electrochemical Society*, **2019**, 166, A1738-A1744	3.9	5
114	Bismuth ferrite: an abnormal perovskite with electrochemical extraction of ions from A site. *Journal of Materials Chemistry A*, **2019**, 7, 12176-12190	13	14
113	Rechargeable ultrahigh-capacity tellurium□luminum batteries. *Energy and Environmental Science*, **2019**, 12, 1918-1927	35.4	124
112	Improved USTB Titanium Production with a Ti2CO Anode Formed by Casting. *Journal of the Electrochemical Society*, **2019**, 166, E226-E230	3.9	10
111	A Rechargeable Al/Graphite Battery Based on AlCl3/1-butyl-3-methylimidazolium Chloride Ionic Liquid Electrolyte. *ChemistrySelect*, **2019**, 4, 3018-3024	1.8	11
110	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	3.6	16
109	Cu3P as a novel cathode material for rechargeable aluminum-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 8368-8375	13	52
108	A green electrochemical transformation of inferior coals to crystalline graphite for stable Li-ion storage. *Journal of Materials Chemistry A*, **2019**, 7, 7533-7540	13	22
107	SbSe nanorods with N-doped reduced graphene oxide hybrids as high-capacity positive electrode materials for rechargeable aluminum batteries. *Nanoscale*, **2019**, 11, 16437-16444	7.7	24
106	Gel electrolytes with a wide potential window for high-rate Al-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 20348-20356	13	29
105	Single-crystal and hierarchical VSe2 as an aluminum-ion battery cathode. *Sustainable Energy and Fuels*, **2019**, 3, 2717-2724	5.8	12
104	Hierarchical Flower-Like MoS2 Microspheres and Their Efficient Al Storage Properties. *Journal of Physical Chemistry C*, **2019**, 123, 26794-26802	3.8	15
103	Nickel Phosphide Nanosheets Supported on Reduced Graphene Oxide for Enhanced Aluminum-Ion Batteries. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6004-6012	8.3	40

102	Cellulose-derived flake graphite as positive electrodes for Al-ion batteries. *Sustainable Energy and Fuels*, **2019**, 3, 3561-3568	5.8	11
101	Self-Supporting Dendritic Copper Porous Film Inducing the Lateral Growth of Metallic Lithium for Highly Stable Li Metal Battery. *Journal of the Electrochemical Society*, **2019**, 166, A4073-A4079	3.9	1
100	Cobalt sulfides/carbon nanohybrids: a novel biocatalyst for nonenzymatic glucose biofuel cells and biosensors.. *RSC Advances*, **2019**, 9, 32898-32905	3.7	5
99	The synthesis of sulfur-doped graphite nanostructures by direct electrochemical conversion of CO2 in CaCl2NaCl CaO Li2SO4. *Carbon*, **2019**, 144, 805-814	10.4	7
98	Flexible Stable Solid-State Al-Ion Batteries. *Advanced Functional Materials*, **2019**, 29, 1806799	15.6	126
97	Anodic Dissolution of Titanium Oxycarbide TiCxO1-x with Different O/C Ratio. *Journal of the Electrochemical Society*, **2019**, 166, E22-E28	3.9	14
96	Shape-Controlled Synthesis of Ultrafine Molybdenum Crystals via Salt-Assisted Reduction of MoO2 with H2. *Journal of Physical Chemistry C*, **2018**, 122, 10231-10239	3.8	17
95	Porous CuO microsphere architectures as high-performance cathode materials for aluminum-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 3084-3090	13	98
94	Room temperature solid state dual-ion batteries based on gel electrolytes. *Journal of Materials Chemistry A*, **2018**, 6, 4313-4323	13	29
93	Applying Co3O4@nanoporous Carbon to Nonenzymatic Glucose Biofuel Cell and Biosensor. *Electroanalysis*, **2018**, 30, 525-532	3	21
92	Flower-like Vanadium Suflide/Reduced Graphene Oxide Composite: An Energy Storage Material for Aluminum-Ion Batteries. *ChemSusChem*, **2018**, 11, 709-715	8.3	79
91	A novel dual-graphite aluminum-ion battery. *Energy Storage Materials*, **2018**, 12, 119-127	19.4	61
90	Ordered WO nanorods: facile synthesis and their electrochemical properties for aluminum-ion batteries. *Chemical Communications*, **2018**, 54, 1343-1346	5.8	69
89	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	19.4	68
88	A novel three-dimensional carbonized PANI@CNTs network for enhanced enzymatic biofuel cell. *Biosensors and Bioelectronics*, **2018**, 101, 60-65	11.8	46
87	A Rechargeable Al□e Battery. *ACS Applied Energy Materials*, **2018**, 1, 4924-4930	6.1	34
86	Ultra-Lightweight 3D Carbon Current Collectors: Constructing All-Carbon Electrodes for Stable and High Energy Density Dual-Ion Batteries. *Advanced Energy Materials*, **2018**, 8, 1801439	21.8	67
85	A high-performance dual-ion cell utilizing Si nanosphere@graphene anode. *Electrochimica Acta*, **2018**, 282, 946-954	6.7	6

84	A nitrogen-doped graphene cathode for high-capacitance aluminum-ion hybrid supercapacitors. *New Journal of Chemistry*, **2018**, 42, 15684-15691	3.6	16
83	Facile synthesis of Ni(HPO)(OH)/rGO nanorods with enhanced electrochemical performance for aluminum-ion batteries. *Nanoscale*, **2018**, 10, 21284-21291	7.7	27
82	NiCo2S4 Nanosheet with Hexagonal Architectures as an Advanced Cathode for Al-Ion Batteries. *Journal of the Electrochemical Society*, **2018**, 165, A3504-A3509	3.9	16
81	A Convenient Electrochemical Method for Preparing Carbon Nanotubes Filled with Amorphous Boron. *Journal of the Electrochemical Society*, **2018**, 165, E879-E882	3.9	6
80	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	2.5	4
79	Production of AlCrNbTaTi High Entropy Alloy via Electro-Deoxidation of Metal Oxides. *Journal of the Electrochemical Society*, **2018**, 165, D574-D579	3.9	15
78	Facile Electrochemical Preparation of Al-Sm Alloys in Molten Calcium Chloride. *Journal of the Electrochemical Society*, **2018**, 165, E616-E621	3.9	3
77	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	5.7	5
76	Production of Ti-Fe alloys molten oxide electrolysis at a liquid iron cathode.. *RSC Advances*, **2018**, 8, 17575-17581	3.7	31
75	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	3.8	4
74	A rechargeable Al-ion battery: Al/molten AlCl-urea/graphite. *Chemical Communications*, **2017**, 53, 2331-2334	5.8	125
73	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	3.7	18
72	Experimental and first-principles study of Ti□□ system: Interplay of thermodynamic and structural properties. *Journal of the American Ceramic Society*, **2017**, 100, 2253-2265	3.8	16
71	Electrochemical Deposition of Carbon Prepared on Cu and Ni Cathodes in CaCl2-LiCl Melts. *Journal of the Electrochemical Society*, **2017**, 164, D248-D252	3.9	9
70	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	3.7	31
69	A Novel Ultrafast Rechargeable Multi-Ions Battery. *Advanced Materials*, **2017**, 29, 1606349	24	74
68	Direct Production of Fe and Fe-Ni Alloy via Molten Oxides Electrolysis. *Journal of the Electrochemical Society*, **2017**, 164, E113-E116	3.9	12
67	The electrochemical behavior of an aluminum alloy anode for rechargeable Al-ion batteries using an AlCl3□rea liquid electrolyte. *RSC Advances*, **2017**, 7, 32288-32293	3.7	29

66	Electrochemical deposition of carbon nanotubes from CO2 in CaCl2NaCl-based melts. *Journal of Materials Chemistry A*, **2017**, 5, 6219-6225	13	32
65	A long-life rechargeable Al ion battery based on molten salts. *Journal of Materials Chemistry A*, **2017**, 5, 1282-1291	13	121
64	High-Performance Aluminum-Ion Battery with CuS@C Microsphere Composite Cathode. *ACS Nano*, **2017**, 11, 469-477	16.7	298
63	Exfoliation Mechanism of Graphite Cathode in Ionic Liquids. *ACS Applied Materials & Interfaces*, **2017**, 9, 36702-36707	9.5	37
62	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	3.9	20
61	Ternary AlCl3-Urea-[EMIm]Cl Ionic Liquid Electrolyte for Rechargeable Aluminum-Ion Batteries. *Journal of the Electrochemical Society*, **2017**, 164, A3093-A3100	3.9	29
60	Pyrophoric behaviour of ultrafine Mo powder. *Corrosion Science*, **2017**, 128, 85-93	6.8	7
59	High Specific Capacitance Based on N-Doped Microporous Carbon in [EMIm]AlxClyIonic Liquid Electrolyte. *Journal of the Electrochemical Society*, **2017**, 164, A3319-A3325	3.9	6
58	MgTi co-doping behavior of porous LiFePO4 microspheres for high-rate lithium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 17021-17028	13	49
57	Direct Preparation of Titanium Alloys from Ti-Bearing Blast Furnace Slag. *Journal of the Electrochemical Society*, **2017**, 164, D511-D516	3.9	28
56	Three-dimensional CoO@MWNTs nanocomposite with enhanced electrochemical performance for nonenzymatic glucose biosensors and biofuel cells. *Royal Society Open Science*, **2017**, 4, 170991	3.3	12
55	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	3.9	9
54	An industrialized prototype of the rechargeable Al/AlCl3-[EMIm]Cl/graphite battery and recycling of the graphitic cathode into graphene. *Carbon*, **2016**, 109, 276-281	10.4	105
53	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	3.9	8
52	The influence of fluoride ions on the equilibrium between titanium ions and titanium metal in fused alkali chloride melts. *Faraday Discussions*, **2016**, 190, 421-32	3.6	27
51	A Novel Aluminum-Ion Battery: Al/AlCl3-[EMIm]Cl/Ni3S2@Graphene. *Advanced Energy Materials*, **2016**, 6, 1600137	21.8	306
50	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	2.5	19
49	Electrochemical Metallurgy in CaCl2-CaO Melts on the Basis of TiO2RuO2Inert Anode. *Journal of the Electrochemical Society*, **2016**, 163, E33-E38	3.9	18

48	Electrochemical deposition of carbon in LiCl-NaCl-Na2CO3 melts. *Carbon*, **2016**, 98, 649-657	10.4	35
47	Direct Conversion of Greenhouse Gas CO2 into Graphene via Molten Salts Electrolysis. *ChemSusChem*, **2016**, 9, 588-94	8.3	56
46	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	2.3	9
45	Aluminum-Ion Asymmetric Supercapacitor Incorporating Carbon Nanotubes and an Ionic Liquid Electrolyte: Al/AlCl3-[EMIm]Cl/CNTs. *Energy Technology*, **2016**, 4, 1112-1118	3.5	25
44	Hexagonal NiS nanobelts as advanced cathode materials for rechargeable Al-ion batteries. *Chemical Communications*, **2016**, 52, 10427-30	5.8	136
43	3D flower-like NaHTi3O7 nanotubes as high-performance anodes for sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 16528-16534	13	20
42	Electrochemically depositing titanium(III) ions at liquid tin in a NaCl-KCl melt. *RSC Advances*, **2015**, 5, 62235-62240	3.7	20
41	A new aluminium-ion battery with high voltage, high safety and low cost. *Chemical Communications*, **2015**, 51, 11892-5	5.8	341
40	Capture and electrochemical conversion of CO2 to ultrathin graphite sheets in CaCl2-based melts. *Journal of Materials Chemistry A*, **2015**, 3, 21211-21218	13	55
39	Activities of Titanium Ions in Molten Calcium Chloride **2015**, 541-544		
38	High thermoelectric performance of all-oxide heterostructures with carrier double-barrier filtering effect. *NPG Asia Materials*, **2015**, 7, e182-e182	10.3	29
37	Electrochemical Conversion of CO2 into Negative Electrode Materials for Li-Ion Batteries. *ChemElectroChem*, **2015**, 2, 224-230	4.3	32
36	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	3.1	18
35	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	35.4	152
34	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	2.5	5
33	The Equilibrium between Titanium Ions and Metallic Titanium in the Molten Binary Mixtures of LiCl. *Electrochemistry*, **2014**, 82, 1047-1051	1.2	15
32	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	2.5	25
31	Cobalt-bilayer catalyst decorated Ta3N5 nanorod arrays as integrated electrodes for photoelectrochemical water oxidation. *Energy and Environmental Science*, **2013**, 6, 3322	35.4	89

30	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	13	18
29	Pivot roles of noble metal in single-phase TaXzON (0 Journal of Materials Chemistry A, **2013**, 1, 5394	13	5
28	Three-dimensional Z-scheme AgCl/Ag/□TaON heterostructural hollow spheres for enhanced visible-light photocatalytic performance. *Applied Catalysis B: Environmental*, **2013**, 142-143, 579-589	21.8	81
27	Hierarchical metastable □TaON hollow structures for efficient visible-light water splitting. *Energy and Environmental Science*, **2013**, 6, 2134	35.4	96
26	Single crystalline Na2Ti3O7 rods as an anode material for sodium-ion batteries. *RSC Advances*, **2013**, 3, 1041-1044	3.7	90
25	Microspheric Na2Ti3O7 consisting of tiny nanotubes: an anode material for sodium-ion batteries with ultrafast charge-discharge rates. *Nanoscale*, **2013**, 5, 594-9	7.7	150
24	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	4.8	95
23	A new cathode material for super-valent battery based on aluminium ion intercalation and deintercalation. *Scientific Reports*, **2013**, 3, 3383	4.9	252
22	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		60
21	Hydrothermal synthesis of CdS/CdLa2S4 heterostructures for efficient visible-light-driven photocatalytic hydrogen production. *RSC Advances*, **2012**, 2, 10330	3.7	44
20	Bi2O3 quantum-dot decorated nitrogen-doped Bi3NbO7 nanosheets: in situ synthesis and enhanced visible-light photocatalytic activity. *CrystEngComm*, **2012**, 14, 5923	3.3	69
19	Efficient visible-light-driven photocatalytic hydrogen production using CdS@TaON core□shell composites coupled with graphene oxide nanosheets. *Journal of Materials Chemistry*, **2012**, 22, 7291		144
18	Preparation and characteristics of Nb-doped indium tin oxide thin films by RF magnetron sputtering. *Optoelectronics Letters*, **2012**, 8, 460-463	0.7	5
17	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		52
16	Preparation of Titanium Deposit in Chloride Melts. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2011**, 42, 1181-1187	2.5	35
15	Carbon-modified bismuth titanate nanorods with enhanced visible-light-driven photocatalytic property. *CrystEngComm*, **2011**, 13, 4735	3.3	26
14	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		54
13	An investigation into the electrochemical recovery of rare earth ions in a CsCl-based molten salt. *Journal of Hazardous Materials*, **2011**, 189, 821-6	12.8	19

List of Publications

12	Biosorption of Pb(II) from aqueous solution using modified wheat straw **2011**,		1
11	Electrochemical dissolution behavior of conductive TiCxO1 solid solutions. *Pure and Applied Chemistry*, **2010**, 82, 1691-1699	2.1	24
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