

Shuqiang Jiao

List of Publications by Citations

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122
papers

5,285
citations

38
h-index

70
g-index

125
ext. papers

6,133
ext. citations

10.5
avg, IF

6.07
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 122 | A new aluminium-ion battery with high voltage, high safety and low cost. <i>Chemical Communications</i> , 2015 , 51, 11892-5 | 5.8 | 341 |
| 121 | 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 |
| 120 | High-Performance Aluminum-Ion Battery with CuS@C Microsphere Composite Cathode. <i>ACS Nano</i> , 2017 , 11, 469-477 | 16.7 | 298 |
| 119 | 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 |
| 118 | In situ synthesis of p-n phase heterojunction on Bi ₂ O ₃ nanowires with exceptional visible-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2013 , 142-143, 504-511 | 21.8 | 207 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | Bi ₂ O ₃ quantum dots decorated anatase TiO ₂ nanocrystals with exposed {0 0 1} facets on graphene sheets for enhanced visible-light photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 333-341 | 21.8 | 140 |
| 113 | Flexible Stable Solid-State Al-Ion Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1806799 | 15.6 | 126 |
| 112 | Rechargeable ultrahigh-capacity tellurium/aluminum batteries. <i>Energy and Environmental Science</i> , 2019 , 12, 1918-1927 | 35.4 | 124 |
| 111 | A long-life rechargeable Al ion battery based on molten salts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1282-1291 | 13 | 121 |
| 110 | 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 |
| 109 | Ternary 3D architectures of CdS QDs/graphene/ZnIn ₂ S ₄ heterostructures for efficient photocatalytic H ₂ production. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 15660-8 | 3.6 | 104 |
| 108 | Novel metallurgical process for titanium production. <i>Journal of Materials Research</i> , 2006 , 21, 2172-2175 | 2.5 | 104 |
| 107 | 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 |
| 106 | Hierarchical metastable TaON hollow structures for efficient visible-light water splitting. <i>Energy and Environmental Science</i> , 2013 , 6, 2134 | 35.4 | 96 |

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| 105 | Hierarchically Plasmonic Z-Scheme Photocatalyst of Ag/AgCl Nanocrystals Decorated Mesoporous Single-Crystalline Metastable Bi ₂ O ₃ /TiO ₂ Nanosheets. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5132-5141 | 3.8 | 95 |
| 104 | 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 |
| 103 | 3D Bi ₁₂ TiO ₂₀ /TiO ₂ hierarchical heterostructure: synthesis and enhanced visible-light photocatalytic activities. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1772-9 | 12.8 | 86 |
| 102 | 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 |
| 101 | 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 |
| 100 | A Novel Ultrafast Rechargeable Multi-Ions Battery. <i>Advanced Materials</i> , 2017 , 29, 1606349 | 24 | 74 |
| 99 | Ordered WO nanorods: facile synthesis and their electrochemical properties for aluminum-ion batteries. <i>Chemical Communications</i> , 2018 , 54, 1343-1346 | 5.8 | 69 |
| 98 | 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 |
| 97 | 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 |
| 96 | A novel dual-graphite aluminum-ion battery. <i>Energy Storage Materials</i> , 2018 , 12, 119-127 | 19.4 | 61 |
| 95 | 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 |
| 94 | Three-dimensional MoS ₂ -CdS-TaON hollow composites for enhanced visible-light-driven hydrogen evolution. <i>Chemical Communications</i> , 2014 , 50, 1731-4 | 5.8 | 55 |
| 93 | PANI/Bi ₁₂ TiO ₂₀ complex architectures: Controllable synthesis and enhanced visible-light photocatalytic activities. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 399-406 | 21.8 | 55 |
| 92 | 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 |
| 91 | 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 |
| 90 | Hierarchical nitrogen doped bismuth niobate architectures: controllable synthesis and excellent photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2012 , 217-218, 177-86 | 12.8 | 52 |
| 89 | 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 |
| 88 | 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 |

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|----|--|------|----|
| 87 | Bismuth titanate pyrochlore microspheres: Directed synthesis and their visible light photocatalytic activity. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 154-158 | 3.3 | 43 |
| 86 | In Situ Self-Assembled FeWO ₄ /Graphene Mesoporous Composites for Li-Ion and Na-Ion Batteries. <i>Chemistry of Materials</i> , 2014 , 26, 3721-3730 | 9.6 | 42 |
| 85 | 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 |
| 84 | Exfoliation Mechanism of Graphite Cathode in Ionic Liquids. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36702-36707 | 9.5 | 37 |
| 83 | Rechargeable Nickel Telluride/Aluminum Batteries with High Capacity and Enhanced Cycling Performance. <i>ACS Nano</i> , 2020 , 14, 3469-3476 | 16.7 | 36 |
| 82 | Sodium modified molybdenum sulfide via molten salt electrolysis as an anode material for high performance sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3204-13 | 3.6 | 36 |
| 81 | 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 |
| 80 | A Rechargeable Al ^{III} Battery. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4924-4930 | 6.1 | 34 |
| 79 | Nonaqueous Rechargeable Aluminum Batteries: Progresses, Challenges, and Perspectives. <i>Chemical Reviews</i> , 2021 , 121, 4903-4961 | 68.1 | 34 |
| 78 | Nasicon material NaZr ₂ (PO ₄) ₃ : a novel storage material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1341-1345 | 13 | 33 |
| 77 | 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 |
| 76 | A new consumable anode material of titanium oxycarbonitride for the USTB titanium process. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 8086-91 | 3.6 | 32 |
| 75 | Electrochemical synthesis of titanium oxycarbide in a CaCl ₂ based molten salt. <i>Electrochimica Acta</i> , 2012 , 75, 357-359 | 6.7 | 32 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | 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 |

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|----|--|------|----|
| 69 | Preparation of polyaniline modified TaON with enhanced visible light photocatalytic activities. <i>Dalton Transactions</i> , 2011 , 40, 4038-41 | 4.3 | 25 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | Electrochemically depositing titanium(III) ions at liquid tin in a NaCl-KCl melt. <i>RSC Advances</i> , 2015 , 5, 62235-62240 | 3.7 | 20 |
| 64 | A sodium ion intercalation material: a comparative study of amorphous and crystalline FePO ₄ . <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 4551-7 | 3.6 | 20 |
| 63 | 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 |
| 62 | Electrochemical Behavior of Titanium(II) Ion in a Purified Calcium Chloride Melt. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015 , 46, 162-168 | 2.5 | 18 |
| 61 | Facile synthesis and visible-light photocatalytic activity of bismuth titanate nanorods. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5557-5564 | 2.3 | 18 |
| 60 | All-carbon positive electrodes for stable aluminium batteries. <i>Journal of Energy Chemistry</i> , 2020 , 42, 17-26 | 18 | |
| 59 | Producing metallic titanium through electro-refining of titanium nitride anode. <i>Electrochemistry Communications</i> , 2013 , 35, 135-138 | 5.1 | 17 |
| 58 | 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 |
| 57 | 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 |
| 56 | Modified separators for rechargeable high-capacity selenium-aluminium batteries. <i>Chemical Engineering Journal</i> , 2020 , 385, 123452 | 14.7 | 16 |
| 55 | 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 |
| 54 | 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 |
| 53 | Active cyano groups to coordinate AlCl ₂ ⁺ cation for rechargeable aluminum batteries. <i>Energy Storage Materials</i> , 2020 , 33, 250-257 | 19.4 | 15 |
| 52 | Stable High-Capacity Organic Aluminum Porphyrin Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101446 | 14.8 | 15 |

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|----|--|------|----|
| 51 | 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 |
| 50 | Structural stability of TiO with disordered vacancies: A first-principles calculation. <i>Physica B: Condensed Matter</i> , 2013 , 421, 110-116 | 2.8 | 14 |
| 49 | The molten chlorides for aluminum-graphite rechargeable batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153285 | 5.7 | 14 |
| 48 | Anodic Dissolution of Titanium Oxycarbide $\text{TiC}_x\text{O}_{1-x}$ with Different O/C Ratio. <i>Journal of the Electrochemical Society</i> , 2019 , 166, E22-E28 | 3.9 | 14 |
| 47 | 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 |
| 46 | 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 |
| 45 | Coral-Like TeO_2 Microwires for Rechargeable Aluminum Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2416-2422 | 8.3 | 12 |
| 44 | 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 |
| 43 | A Rechargeable Al/Graphite Battery Based on $\text{AlCl}_3/1$ -butyl-3-methylimidazolium Chloride Ionic Liquid Electrolyte. <i>ChemistrySelect</i> , 2019 , 4, 3018-3024 | 1.8 | 11 |
| 42 | Nonmetal Current Collectors: The Key Component for High-Energy-Density Aluminum Batteries. <i>Advanced Materials</i> , 2020 , 32, e2001212 | 24 | 11 |
| 41 | Cellulose-derived flake graphite as positive electrodes for Al-ion batteries. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3561-3568 | 5.8 | 11 |
| 40 | 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 |
| 39 | Improved USTB Titanium Production with a Ti_2CO Anode Formed by Casting. <i>Journal of the Electrochemical Society</i> , 2019 , 166, E226-E230 | 3.9 | 10 |
| 38 | 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 |
| 37 | 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 |
| 36 | Structural and Thermodynamic Properties of $\text{TiC}_x\text{N}_y\text{O}_z$ 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 |
| 35 | Thick electrodes upon biomass-derivative carbon current collectors: High-areal capacity positive electrodes for aluminum-ion batteries. <i>Electrochimica Acta</i> , 2019 , 323, 134805 | 6.7 | 8 |
| 34 | 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 |

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|----|--|------|---|
| 33 | Alternate Storage of Opposite Charges in Multisite for High-Energy-Density Al-MOF Battery.. <i>Advanced Materials</i> , 2022 , e2110109 | 24 | 7 |
| 32 | 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 |
| 31 | A high-performance dual-ion cell utilizing Si nanosphere@graphene anode. <i>Electrochimica Acta</i> , 2018 , 282, 946-954 | 6.7 | 6 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | Rechargeable High-Capacity Antimony-Aluminum Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 080541 | 3.9 | 5 |
| 26 | Pivot roles of noble metal in single-phase Ta _x Zr _{1-x} O _n (0 <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5394 | 13 | 5 |
| 25 | A strategy for massively suppressing the shuttle effect in rechargeable Al _{0.75} Be batteries. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 4000-4009 | 6.8 | 5 |
| 24 | 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 |
| 23 | A dual-protection strategy using CMK-3 coated selenium and modified separators for high-energy Al _{0.5} Be batteries. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1030-1038 | 6.8 | 4 |
| 22 | Electrochemical Behaviour of K ₂ TiF ₆ at Liquid Metal Cathodes in the LiF/NaF/KF Eutectic Melt. <i>Electrochemistry</i> , 2019 , 87, 142-147 | 1.2 | 3 |
| 21 | Initial Electrode Kinetics of Anion Intercalation and De-intercalation in Nonaqueous Al-Graphite Batteries <i>Chinese Journal of Chemistry</i> , 2021 , 39, 157-164 | 4.9 | 3 |
| 20 | Stable quasi-solid-state Aluminum Batteries. <i>Advanced Materials</i> , 2021 , e2104557 | 24 | 2 |
| 19 | Quantificational 4D Visualization of Industrial Electrodeposition. <i>Advanced Science</i> , 2021 , e2101373 | 13.6 | 2 |
| 18 | Sb ₂ Te ₃ Hexagonal Nanosheets as High-Capacity Positive Materials for Rechargeable Aluminum Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 12635-12643 | 6.1 | 2 |
| 17 | A novel titanium oxycarbide phase with metal-vacancy (Ti _{1-x} C _{0.1-x} O _{1-x}): Structural and thermodynamic basis. <i>Ceramics International</i> , 2021 , 47, 16324-16332 | 5.1 | 2 |
| 16 | A cobalt-based metal-organic framework and its derived material as sulfur hosts for aluminum-sulfur batteries with the chemical anchoring effect. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 10326-10334 | 3.6 | 2 |

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|----|--|-----------------------|-----------------|
| 15 | The Dissolution Behavior of TiC_xO_{1-x} Solid Solutions in Chloride Melt | 605-612 | 2 |
| 14 | Selective Reduction of TiO_2-SiO_2 in the Carbothermal Reduction of Titanium Raw Materials for Preparation of Titanium Oxycarbide | 419-425 | 2 |
| 13 | A 4D x-ray computer microtomography for high-temperature electrochemistry.. <i>Science Advances</i> , 2022 , 8, eabm5678 | | 14.3 2 |
| 12 | Titanium production through electrolysis of titanium oxycarbide consumable anode | the USTB process | 2020, 315-329 1 |
| 11 | Self-supporting and dual-active 3D Co-S nanosheets constructed by ligand replacement reaction from MOF for rechargeable Al battery. <i>Journal of Energy Chemistry</i> , 2022 , 69, 35-43 | | 12 1 |
| 10 | Stable and low-voltage-hysteresis zinc negative electrode promoting aluminum dual-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 132743 | | 14.7 1 |
| 9 | Graphene as an Electron Mediator in Tantalum Oxynitride Based Composites Z-Schem Photocatalytic Water Splitting | 17-23 | 1 |
| 8 | Design Strategies of High-Performance Positive Materials for Nonaqueous Rechargeable Aluminum Batteries: From Crystal Control to Battery Configuration. <i>Small</i> , 2021 , 17, 2201362 | | 11 1 |
| 7 | Electrochemical Behaviors of Consumable $Ti_2CO@Al_2O_3$ Anode for Ti Extraction by USTB Process. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 103508 | | 3.9 0 |
| 6 | Modified Al negative electrode for stable high-capacity Al batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022 , 29, 896-904 | | 3.1 0 |
| 5 | FeWO ₄ : An Anode Material for Sodium-Ion Batteries | 2014 , 899-905 | |
| 4 | Selective Reduction of TiO_2-SiO_2 in the Carbothermal Reduction of Titanium Raw Materials for Preparation of Titanium Oxycarbide | 2016 , 419-425 | |
| 3 | FeWO ₄ : An Anode Material for Sodium-Ion Batteries | 2014 , 899-905 | |
| 2 | Electrochemical Behavior of Titanium Ions at Liquid Metal Cathodes in Molten Salts | 2016 , 183-186 | |
| 1 | Facile preparation of metallic vanadium from consumable V_2CO solid solution by molten salt electrolysis. <i>Separation and Purification Technology</i> , 2022 , 295, 121361 | | 8.3 |