

Jun-Xi Zhang

List of Publications by Year in descending order

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papers

2,129
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331670

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265206

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docs citations

43
times ranked

1679
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | An air-stable iron/manganese-based phosphate cathode for high performance sodium-ion batteries. Chemical Engineering Journal, 2022, 433, 133798. | 12.7 | 13 |
| 2 | In situ micro-current collector of amorphous manganese dioxide as cathode material for sodium-ion batteries. Ionics, 2022, 28, 1211-1217. | 2.4 | 2 |
| 3 | Galvanic Effect and Alternating Current Corrosion of Steel in Acidic Red Soil. Metals, 2022, 12, 296. | 2.3 | 2 |
| 4 | The Study of Graphene Oxide on the Regulations and Controls of the Sol-Gel Film Structure and Its Performance. Metals, 2022, 12, 20. | 2.3 | 5 |
| 5 | K ⁺ -stabilized nanostructured amorphous manganese dioxide: excellent electrochemical properties as cathode material for sodium-ion batteries. Ionics, 2021, 27, 1559-1567. | 2.4 | 7 |
| 6 | Electrochemical properties of mixed-phosphates Na _x +2Fe _x +1(PO ₄) _x (P ₂ O ₇) with different ratios of PO ₄ ³⁻ /P ₂ O ₇ ⁴⁻ . Journal of Alloys and Compounds, 2021, 870, 159382. | 5.5 | 13 |
| 7 | Facile Synthesis Strategy from Sludge-Derived Extracellular Polymeric Substances to Nitrogen-Doped Graphene Oxide-Like Material and Quantum Dots. ACS Omega, 2021, 6, 24940-24948. | 3.5 | 4 |
| 8 | Corrosion Behavior of Selective Laser Melted AlSi10Mg Alloy in NaCl Solution and Its Dependence on Heat Treatment. Acta Metallurgica Sinica (English Letters), 2020, 33, 327-337. | 2.9 | 30 |
| 9 | MCNT-Reinforced Na ₃ Fe ₂ (PO ₄) ₃ as Cathode Material for Sodium-Ion Batteries. Arabian Journal for Science and Engineering, 2020, 45, 143-151. | 3.0 | 14 |
| 10 | Highly Stable Na ₃ Fe ₂ (PO ₄) ₃ @Hard Carbon Sodium-Ion Full Cell for Low-Cost Energy Storage. ACS Sustainable Chemistry and Engineering, 2020, 8, 1380-1387. | 6.7 | 44 |
| 11 | A New Polyanion Na ₃ Fe ₂ (PO ₄) ₃ P ₂ O ₇ Cathode with High Electrochemical Performance for Sodium-Ion Batteries. ACS Energy Letters, 2020, 5, 3788-3796. | 17.4 | 62 |
| 12 | Galvanic Corrosion Behavior of Copper-Drawn Steel for Grounding Grids in the Acidic Red Soil Simulated Solution. Acta Metallurgica Sinica (English Letters), 2020, 33, 1571-1582. | 2.9 | 8 |
| 13 | Scalable synthesizing nanospherical Na ₄ Fe ₃ (PO ₄) ₂ (P ₂ O ₇) growing on MCNTs as a high-performance cathode material for sodium-ion batteries. Journal of Power Sources, 2020, 461, 228130. | 7.8 | 55 |
| 14 | The Suppression of transformation of $\hat{\Gamma}^3$ -FeOOH to $\hat{\Gamma}^\pm$ -FeOOH accelerating the steel corrosion in simulated industrial atmospheric environment with a DC electric field interference. Corrosion Engineering Science and Technology, 2019, 54, 249-256. | 1.4 | 12 |
| 15 | Abnormal corrosion behavior of selective laser melted AlSi10Mg alloy induced by heat treatment at 300°C. Journal of Alloys and Compounds, 2019, 803, 314-324. | 5.5 | 46 |
| 16 | On the microstructure and corrosion behaviors of selective laser melted CP-Ti and Ti-6Al-4V alloy in Hank's artificial body fluid. Materials Research Express, 2019, 6, 126521. | 1.6 | 18 |
| 17 | Effect of direct current electric field intensity and electrolyte layer thickness on oxygen reduction in simulated atmospheric environment. Corrosion Science, 2019, 148, 206-212. | 6.6 | 10 |
| 18 | Resemblance in Corrosion Behavior of Selective Laser Melted and Traditional Monolithic $\hat{\Gamma}^2$ Ti-24Nb-4Zr-8Sn Alloy. ACS Biomaterials Science and Engineering, 2019, 5, 1141-1149. | 5.2 | 75 |

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|----|--|-----|-----------|
| 19 | Sol-gel synthesis of porous Na ₃ Fe ₂ (PO ₄) ₃ with enhanced sodium-ion storage capability. <i>Ionics</i> , 2019, 25, 1083-1090. | 2.4 | 24 |
| 20 | K-doped Na ₃ Fe ₂ (PO ₄) ₃ cathode materials with high-stable structure for sodium-ion stored energy battery. <i>Journal of Alloys and Compounds</i> , 2019, 784, 939-946. | 5.5 | 37 |
| 21 | Distinction of corrosion resistance of selective laser melted Al-12Si alloy on different planes. <i>Journal of Alloys and Compounds</i> , 2018, 747, 648-658. | 5.5 | 80 |
| 22 | Improved corrosion behavior of ultrafine-grained eutectic Al-12Si alloy produced by selective laser melting. <i>Materials and Design</i> , 2018, 146, 239-248. | 7.0 | 101 |
| 23 | Probing the corrosion mechanism of zinc under direct current electric field. <i>Materials Chemistry and Physics</i> , 2018, 206, 232-242. | 4.0 | 16 |
| 24 | Influence of Direct Current Electric Field on Electrode Process of Carbon Steel under Thin Electrolyte Layers. <i>Journal of the Electrochemical Society</i> , 2018, 165, C385-C394. | 2.9 | 3 |
| 25 | The corrosion behavior of steel exposed to a DC electric field in the simulated wet-dry cyclic environment. <i>Materials Chemistry and Physics</i> , 2017, 192, 190-197. | 4.0 | 18 |
| 26 | Corrosion Behaviour of Selective Laser Melted Ti-TiB Biocomposite in Simulated Body Fluid. <i>Electrochimica Acta</i> , 2017, 232, 89-97. | 5.2 | 166 |
| 27 | Amorphous MnO_{2-x} as Cathode Material for Sodium-Ion Batteries. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1294-1298. | 4.9 | 29 |
| 28 | Heat Treatment Degrading the Corrosion Resistance of Selective Laser Melted Ti-6Al-4V Alloy. <i>Journal of the Electrochemical Society</i> , 2017, 164, C428-C434. | 2.9 | 112 |
| 29 | Monoclinic Phase Na ₃ Fe ₂ (PO ₄) ₃ : Synthesis, Structure, and Electrochemical Performance as Cathode Material in Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1306-1314. | 6.7 | 81 |
| 30 | Electrochemical and SVET Studies on the Typical Polarity Reversal of Cu-304 Stainless Steel Galvanic Couple in Cl ⁻ -Containing Solution with Different pH. <i>Electrochimica Acta</i> , 2017, 247, 207-215. | 5.2 | 21 |
| 31 | Fretting Wear Behaviors of Aluminum Cable Steel Reinforced (ACSR) Conductors in High-Voltage Transmission Line. <i>Metals</i> , 2017, 7, 373. | 2.3 | 17 |
| 32 | The relation between the structure and electrochemical performance of sodiated iron phosphate in sodium-ion batteries. <i>Journal of Power Sources</i> , 2016, 314, 1-9. | 7.8 | 32 |
| 33 | Influence of Direct Current Electric Field on the Formation, Composition and Microstructure of Corrosion Products Formed on the Steel in Simulated Marine Atmospheric Environment. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 373-381. | 2.9 | 14 |
| 34 | Distinction in corrosion resistance of selective laser melted Ti-6Al-4V alloy on different planes. <i>Corrosion Science</i> , 2016, 111, 703-710. | 6.6 | 325 |
| 35 | Amorphous iron phosphate/carbonized polyaniline nanorods composite as cathode material in sodium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 479-487. | 2.5 | 15 |
| 36 | Corrosion behavior of selective laser melted Ti-6Al-4 V alloy in NaCl solution. <i>Corrosion Science</i> , 2016, 102, 484-489. | 6.6 | 401 |

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|----|---|------|-----------|
| 37 | Direct growth of FePO ₄ /reduced graphene oxide nanosheet composites for the sodium-ion battery. Journal of Materials Chemistry A, 2015, 3, 5501-5508. | 10.3 | 47 |
| 38 | The transformation from amorphous iron phosphate to sodium iron phosphate in sodium-ion batteries. Physical Chemistry Chemical Physics, 2015, 17, 22144-22151. | 2.8 | 16 |
| 39 | Effect of the direct current electric field on the initial corrosion of steel in simulated industrial atmospheric environment. Corrosion Science, 2015, 99, 295-303. | 6.6 | 51 |
| 40 | A maize-like FePO ₄ @MCNT nanowire composite for sodium-ion batteries via a microemulsion technique. Journal of Materials Chemistry A, 2014, 2, 7221-7228. | 10.3 | 58 |
| 41 | Preparation and magnetic properties of Mn-Zn ferrites by the Co-precipitation method. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 875-878. | 1.0 | 7 |
| 42 | The corrosion and passivation of SS304 stainless steel under square wave electric field. Materials Chemistry and Physics, 2003, 79, 43-48. | 4.0 | 38 |