

Fei Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9653663/publications.pdf>

Version: 2024-02-01

33
papers

2,477
citations

361045

20
h-index

395343

33
g-index

35
all docs

35
docs citations

35
times ranked

4802
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Ternary duplex FeCoNi alloy prepared by cathode plasma electrolytic deposition as a high-efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161934. | 2.8 | 14 |
| 2 | Enhanced Catalytic Activity Induced by the Nanostructuring Effect in Pd Decoration onto Doped Ceria Enabling an Origami Paper Analytical Device for High Performance of Amyloid- β^2 Bioassay. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33937-33947. | 4.0 | 21 |
| 3 | Boosting OER activity of stainless steel by cathodic plasma surface modification. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6721-6725. | 2.6 | 10 |
| 4 | Sol-gel synthesis of highly reproducible WO ₃ photoanodes for solar water oxidation. <i>Science China Materials</i> , 2020, 63, 2261-2271. | 3.5 | 12 |
| 5 | Growth of Lattice Coherent Co ₉ S ₈ /Co ₃ O ₄ Nano-Heterostructure for Maximizing the Catalysis of Co-Based Composites. <i>ChemCatChem</i> , 2020, 12, 2431-2435. | 1.8 | 9 |
| 6 | Exploring the impact of atomic lattice deformation on oxygen evolution reactions based on a sub-5 nm pure face-centred cubic high-entropy alloy electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11938-11947. | 5.2 | 137 |
| 7 | A Depth-Profiling Study on the Solid Electrolyte Interface: Bis(fluorosulfonyl)imide Anion toward Improved K ⁺ Storage. <i>ACS Applied Energy Materials</i> , 2019, 2, 7942-7951. | 2.5 | 51 |
| 8 | Staging: Unraveling the Potassium Storage Mechanism in Graphite Foam (<i>Adv. Energy Mater.</i> 22/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970081. | 10.2 | 5 |
| 9 | Unraveling the Potassium Storage Mechanism in Graphite Foam. <i>Advanced Energy Materials</i> , 2019, 9, 1900579. | 10.2 | 133 |
| 10 | Self-assembled Cu-Ni bimetal oxide 3D in-plane epitaxial structures for highly efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 56-62. | 10.8 | 62 |
| 11 | Extraordinary catalysis induced by titanium foil cathode plasma for degradation of water pollutant. <i>Chemosphere</i> , 2019, 214, 341-348. | 4.2 | 21 |
| 12 | Electrochemical behaviors of hierarchical copper nano-dendrites in alkaline media. <i>Nano Research</i> , 2018, 11, 4225-4231. | 5.8 | 13 |
| 13 | Probing the Performance Limitations in Thin-Film FeVO ₄ Photoanodes for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9773-9782. | 1.5 | 32 |
| 14 | Phase Transformation of GeO ₂ Glass to Nanocrystals under Ambient Conditions. <i>Nano Letters</i> , 2018, 18, 3290-3296. | 4.5 | 35 |
| 15 | Phase controllable fabrication of zinc cobalt sulfide hollow polyhedra as high-performance electrocatalysts for the hydrogen evolution reaction. <i>Nanoscale</i> , 2018, 10, 1774-1778. | 2.8 | 36 |
| 16 | Morphology controlled lithium storage in Li ₃ VO ₄ anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 456-463. | 5.2 | 46 |
| 17 | Nickel Nanoparticles Encapsulated in Few-Layer Nitrogen-Doped Graphene Derived from Metal-Organic Frameworks as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Materials</i> , 2017, 29, 1605957. | 11.1 | 507 |
| 18 | Rapid Pseudocapacitive Sodium-Ion Response Induced by 2D Ultrathin Tin Monoxide Nanoarrays. <i>Advanced Functional Materials</i> , 2017, 27, 1606232. | 7.8 | 108 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Hybrid vertical graphene/lithium titanate@CNTs arrays for lithium ion storage with extraordinary performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8916-8921. | 5.2 | 71 |
| 20 | “Electron/Ion Sponge”-Like V-Based Polyoxometalate: Toward High-Performance Cathode for Rechargeable Sodium Ion Batteries. <i>ACS Nano</i> , 2017, 11, 6911-6920. | 7.3 | 95 |
| 21 | Ultrafine Metal Nanoparticles/N-Doped Porous Carbon Hybrids Coated on Carbon Fibers as Flexible and Binder-Free Water Splitting Catalysts. <i>Advanced Energy Materials</i> , 2017, 7, 1700220. | 10.2 | 156 |
| 22 | Solution Growth of Ultralong Gold Nanohelices. <i>ACS Nano</i> , 2017, 11, 5538-5546. | 7.3 | 30 |
| 23 | Nanoscale ion intermixing induced activation of Fe ₂ O ₃ /MnO ₂ composites for application in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8510-8518. | 5.2 | 57 |
| 24 | The Electrochemical Response of Single Crystalline Copper Nanowires to Atmospheric Air and Aqueous Solution. <i>Small</i> , 2017, 13, 1603411. | 5.2 | 15 |
| 25 | Investigating the Role of Tunable Nitrogen Vacancies in Graphitic Carbon Nitride Nanosheets for Efficient Visible-Light-Driven H ₂ Evolution and CO ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7260-7268. | 3.2 | 322 |
| 26 | Large-Area and High-Quality 2D Transition Metal Telluride. <i>Advanced Materials</i> , 2017, 29, 1603471. | 11.1 | 181 |
| 27 | In Situ Formation of Decavanadate-Intercalated Layered Double Hydroxide Films on AA2024 and their Anti-Corrosive Properties when Combined with Hybrid Sol Gel Films. <i>Materials</i> , 2017, 10, 426. | 1.3 | 20 |
| 28 | Phase transition of hollow-porous Fe ₂ O ₃ microsphere based anodes for lithium ion batteries during high rate cycling. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16569-16575. | 5.2 | 54 |
| 29 | A novel synthesis of carbon nanotubes directly from an indecomposable solid carbon source for electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2137-2146. | 5.2 | 59 |
| 30 | Evidence of a nanosized copper anodic reaction in an anaerobic sulfide aqueous solution. <i>RSC Advances</i> , 2016, 6, 19937-19943. | 1.7 | 8 |
| 31 | Novel fuel cell with nanocomposite functional layer designed by perovskite solar cell principle. <i>Nano Energy</i> , 2016, 19, 156-164. | 8.2 | 137 |
| 32 | Passivation of Nickel Nanoneedles in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9073-9077. | 1.5 | 15 |
| 33 | Investigation of the Crevice Corrosion Behavior of 316L Stainless Steel in Sulfate-Reducing Bacteria-Inoculated Artificial Seawater Using the Wire Beam Electrode. <i>Journal of Materials Engineering and Performance</i> , 0, , . | 1.2 | 1 |