

Guixiao Jia

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

287
citations

933447

10
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

438
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | FeP/C Composites as an Anode Material for K-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 22364-22370. | 8.0 | 56 |
| 2 | Synergistic corrosion inhibition effects of quaternary ammonium salt cationic surfactants and thiourea on Q235 steel in sulfuric acid: Experimental and theoretical research. Corrosion Science, 2022, 199, 110199. | 6.6 | 44 |
| 3 | Bond-Curvature Effect of Sidewall [2+1] Cycloadditions of Single-Walled Carbon Nanotubes: A New Criterion To the Adduct Structures. Chemistry of Materials, 2006, 18, 3579-3584. | 6.7 | 43 |
| 4 | Region-Dependent and Stable Ferroelectric Photovoltaic Effect Driven by Novel In-Plane Self-Polarization in Narrow-Bandgap Bi ₂ FeMo _{0.7} Ni _{0.3} O ₆ Thin Film. Advanced Optical Materials, 2019, 7, 1801105. | 7.3 | 25 |
| 5 | A Cobalt-Free Li(Li _{0.17} Ni _{0.17} Fe _{0.17} Mn _{0.49})O ₂ Cathode with More Oxygen-Involving Charge Compensation for Lithium-Ion Batteries. ChemSusChem, 2019, 12, 2471-2479. | 6.8 | 20 |
| 6 | A Cobalt-Free Li(Li 0.16 Ni 0.19 Fe 0.18 Mn 0.46)O ₂ Cathode for Lithium-Ion Batteries with Anionic Redox Reactions. ChemSusChem, 2019, 12, 1162-1168. | 6.8 | 20 |
| 7 | Chemical Anisotropies of Carbon Nanotubes and Fullerenes Caused by the Curvature Directivity. Chemistry - A European Journal, 2007, 13, 6430-6436. | 3.3 | 16 |
| 8 | Structural Transformation and Cycling Improvement of Nanosized Flower-like MnO_2 in a Sodium Battery. ACS Applied Energy Materials, 2019, 2, 5050-5056. | 5.1 | 13 |
| 9 | Eco-friendly rosin-based 6-dehydroabiatic acylamino sodium as corrosion inhibitor for AA2024-T3 in alkaline solution by experimental and theoretical studies. Journal of Molecular Liquids, 2021, 328, 115506. | 4.9 | 13 |
| 10 | Electronic structures and hydrogenation of a chiral single-wall (6,4) carbon nanotube: A density functional theory study. Chemical Physics Letters, 2006, 418, 40-45. | 2.6 | 11 |
| 11 | Na/K Diffusion in FeP as an Anode Material for Ion Batteries. Journal of Physical Chemistry C, 2020, 124, 6495-6501. | 3.1 | 7 |
| 12 | Corrosion inhibition of AA2024-T3 in alkaline solution by disodium-N-dodecyliminodiacetate: Experimental and theoretical studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 126989. | 4.7 | 6 |
| 13 | A reasonable criterion of nitrogen-doped single-walled carbon nanotubes with pyridine-like configurations. Surface Science, 2013, 608, 122-128. | 1.9 | 4 |
| 14 | Curvature effect of vacancies in single-walled carbon nanotubes. Surface Science, 2015, 633, 29-37. | 1.9 | 3 |
| 15 | Cr-Doped Fe _{1-x} Cr _x F ₃ ·0.33H ₂ O Nanomaterials as Cathode Materials for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 48653-48660. | 8.0 | 3 |
| 16 | Structural transformation and electrochemical properties of a nanosized flower-like R-MnO ₂ cathode in a sodium battery. Physical Chemistry Chemical Physics, 2021, 24, 551-559. | 2.8 | 2 |
| 17 | Curvature, vacancy size and chirality effects of mono- to octa-vacancies in zigzag single-walled carbon nanotubes. New Journal of Chemistry, 2016, 40, 8625-8631. | 2.8 | 1 |