

Lehao Liu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,063
citations

687363

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610901

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docs citations

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times ranked

1754
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Tin-based anode materials with well-designed architectures for next-generation lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 321, 11-35. | 7.8 | 195 |
| 2 | High Strength Conductive Composites with Plasmonic Nanoparticles Aligned on Aramid Nanofibers. <i>Advanced Functional Materials</i> , 2016, 26, 8435-8445. | 14.9 | 115 |
| 3 | Layered ternary metal oxides: Performance degradation mechanisms as cathodes, and design strategies for high-performance batteries. <i>Progress in Materials Science</i> , 2020, 111, 100655. | 32.8 | 115 |
| 4 | Well-constructed silicon-based materials as high-performance lithium-ion battery anodes. <i>Nanoscale</i> , 2016, 8, 701-722. | 5.6 | 113 |
| 5 | Comprehensively-upgraded polymer electrolytes by multifunctional aramid nanofibers for stable all-solid-state Li-ion batteries. <i>Nano Energy</i> , 2020, 69, 104398. | 16.0 | 101 |
| 6 | Li _{1.4} Al _{0.4} Ti _{1.6} (PO ₄) ₃ nanoparticle-reinforced solid polymer electrolytes for all-solid-state lithium batteries. <i>Solid State Ionics</i> , 2019, 331, 89-95. | 2.7 | 84 |
| 7 | Electromagnetic wave absorbing properties of multi-wall carbon nanotube/Fe ₃ O ₄ hybrid materials. <i>New Carbon Materials</i> , 2013, 28, 184-190. | 6.1 | 70 |
| 8 | Stretchable conductors by kirigami patterning of aramid-silver nanocomposites with zero conductance gradient. <i>Applied Physics Letters</i> , 2017, 111, . | 3.3 | 39 |
| 9 | Localized Electrons Enhanced Ion Transport for Ultrafast Electrochemical Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1905578. | 21.0 | 39 |
| 10 | Comprehensively-modified polymer electrolyte membranes with multifunctional PMIA for highly-stable all-solid-state lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2020, 48, 334-343. | 12.9 | 37 |
| 11 | Flexible, high-voltage, ion-conducting composite membranes with 3D aramid nanofiber frameworks for stable all-solid-state lithium metal batteries. <i>Science China Materials</i> , 2020, 63, 703-718. | 6.3 | 32 |
| 12 | Electrochemical Determination of Melamine with a Glassy Carbon Electrode Coated with a Multi-Wall Carbon Nanotube/Chitosan Composite. <i>Journal of the Electrochemical Society</i> , 2012, 159, K141-K145. | 2.9 | 21 |
| 13 | Low-current field-assisted assembly of copper nanoparticles for current collectors. <i>Faraday Discussions</i> , 2015, 181, 383-401. | 3.2 | 16 |
| 14 | Facile Fabrication of Multifunctional Aramid Nanofiber Films by Spin Coating. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 4757-4763. | 2.5 | 14 |
| 15 | Facile fabrication of flexible Si-based nanocomposite films as high-rate anodes by layer-by-layer self-assembly. <i>Applied Surface Science</i> , 2019, 476, 501-512. | 6.1 | 13 |
| 16 | Preparation and electrochemical property of CMC/MWCNT composite using ionic liquid as solvent. <i>Science Bulletin</i> , 2012, 57, 1620-1625. | 1.7 | 10 |
| 17 | Polyethylene Oxide as a Multifunctional Binder for High-Performance Ternary Layered Cathodes. <i>Polymers</i> , 2021, 13, 3992. | 4.5 | 9 |
| 18 | Large area preparation of multilayered graphene films by chemical vapour deposition with high electrocatalytic activity toward hydrogen peroxide. <i>Materials Technology</i> , 2015, 30, 121-126. | 3.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Hydrogen Storage Behavior of Amorphous Carbon Nanotubes at Low Pressure and Room Temperature. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 677-683. | 2.1 | 7 |
| 20 | Materials Engineering of High-Performance Anodes as Layered Composites with Self-Assembled Conductive Networks. Journal of Physical Chemistry C, 2018, 122, 14014-14028. | 3.1 | 7 |
| 21 | Electrochemical Property of Multi-Walled Carbon Nanotubes/Chitosan Composites by Electrostatic Interactions. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 452-460. | 2.1 | 6 |
| 22 | Facile and Green Preparation of Three-Dimensionally Nanoporous Copper Films by Low-Current Electrical Field-Induced Assembly of Copper Nanoparticles for Lithium-Ion Battery Applications. Journal of Materials Engineering and Performance, 2018, 27, 4680-4692. | 2.5 | 4 |
| 23 | Physical model for the growth of amorphous carbon nanotubes. Applied Physics Letters, 2011, 98, 163111. | 3.3 | 3 |
| 24 | Zinc and Cobalt Recovery from Co-Ni Residue of Zinc Hydrometallurgy by an Ammonia Process. Advanced Materials Research, 2011, 396-398, 48-51. | 0.3 | 3 |
| 25 | Intercalation Lithium Behavior of Molybdenum Disulphide as Anode Materials for Lithium Ion Battery. Advanced Materials Research, 2011, 335-336, 218-221. | 0.3 | 0 |
| 26 | Determination of Melamine and its Analogues in Food. Advanced Materials Research, 0, 403-408, 2675-2678. | 0.3 | 0 |