# Zhongchen Lu

List of Publications by Year
in descending order



| 11 | 277 | 1307594 7 | 1474206 9 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 11 | 11 | 11 | 379 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Unveiling critical size of coarsened Sn nanograins for achieving high round-trip efficiency of reversible conversion reaction in lithiated SnO2 nanocrystals. Nano Energy, 2018, 45, 255-265. | 16.0 | 80 |
| 2 | A spherical Snâ€“Fe<sub>3</sub>O<sub>4</sub>@graphite composite as a long-life and high-rate-capability anode for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 10321-10328. | 10.3 | 63 |
| 3 | Origin of Capacity Increasing in a Longâ€Life Ternary Snâ€“Fe<sub>3</sub>O<sub>4</sub>@Graphite Anode for Liâ€Ion Batteries. Advanced Materials Interfaces, 2017, 4, 1700113. | 3.7 | 43 |
| 4 | Applications of Plasma-Assisted Systems for Advanced Electrode Material Synthesis and Modification. ACS Applied Materials & Interfaces, 2021, 13, 13909-13919. | 8.0 | 24 |
| 5 | Enhancement of Wear Properties of Ultrafine-Structured Alâ€“Sn Alloy-Embedded Sn Nanoparticles Through In Situ Synthesis. Tribology Letters, 2019, 67, 1. | 2.6 | 20 |
| 6 | Achieving high transverse rupture strength of WC-8Co hardmetals through forming plate-like WC grains by plasma assisted milling. Materials Chemistry and Physics, 2017, 190, 128-135. | 4.0 | 16 |
| 7 | Construction of SnS-Mo-graphene nanosheets composite for highly reversible and stable lithium/sodium storage. Journal of Materials Science and Technology, 2022, 121, 190-198. | 10.7 | 11 |
| 8 | Fabricating Ultrathin Plate-Like WC Grains in WCâ€“8Co Hardmetals by Increasing Discharge Intensity During Plasma-Assisted Ball Milling. Metals and Materials International, 2020, 26, 1373-1384. | 3.4 | 8 |
| 9 | A Novel Repetitive High-Voltage Resonant Pulse Generator for Plasma-Assisted Milling. IEEE Transactions on Plasma Science, 2021, 49, 2350-2358. | 1.3 | 8 |
| 10 | Rapid Synthesis of Wâ€“Cr Solidâ€“Solution by Dielectric-Barrier Discharge-Plasma-Assisted Ball Milling. Metals and Materials International, 0, , 1. | 3.4 | 3 |
| 11 | A novel approach to the rapid in situ synthesis of WC nanopowder by plasma milling and carbothermal reduction. Advanced Engineering Materials, 0, , . | 3.5 | 1 |