

Lung-Hao Hu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

624
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24
g-index

25
ext. papers

705
ext. citations

6.2
avg, IF

4.05
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 23 | Graphene-modified LiFePO ₄ cathode for lithium ion battery beyond theoretical capacity. <i>Nature Communications</i> , 2013 , 4, 1687 | 17.4 | 393 |
| 22 | Bifunctional separator as a polysulfide mediator for highly stable LiS batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9661-9669 | 13 | 67 |
| 21 | Ultrahigh figure-of-merit for hydrogen generation from sodium borohydride using ternary metal catalysts. <i>Journal of Power Sources</i> , 2011 , 196, 69-75 | 8.9 | 21 |
| 20 | High-performance graphene/sulphur electrodes for flexible Li-ion batteries using the low-temperature spraying method. <i>Nanoscale</i> , 2015 , 7, 8093-100 | 7.7 | 19 |
| 19 | Semiconductive Behavior of Polymer-Derived SiCN Ceramics for Hydrogen Sensing. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1052-1055 | 3.8 | 17 |
| 18 | Chemically modified morphologies of vanadium pentoxide as superior cathode material for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2015 , 632, 126-132 | 5.7 | 16 |
| 17 | Superefficient thin film multilayer catalyst for generating hydrogen from sodium borohydride. <i>Journal of Power Sources</i> , 2011 , 196, 741-746 | 8.9 | 14 |
| 16 | Sulphur-reduced self-assembly of flower-like vanadium pentoxide as superior cathode material for Li-ion battery. <i>Journal of Alloys and Compounds</i> , 2016 , 655, 79-85 | 5.7 | 12 |
| 15 | SiOCN Functionalized Carbon Nanotube Gas Sensors for Elevated Temperature Applications. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1142-1149 | 3.8 | 10 |
| 14 | Influence of ink preparation with the untreated and the burned Pt/C catalysts for proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 11454-11461 | 6.7 | 9 |
| 13 | Micro-protective layer for lifetime extension of solid polymer electrolyte water electrolysis. <i>Journal of Power Sources</i> , 2012 , 207, 81-85 | 8.9 | 8 |
| 12 | Few layer graphene paper from electrochemical process for heat conduction. <i>Materials Research Innovations</i> , 2014 , 18, 208-213 | 1.9 | 8 |
| 11 | Aluminum nitride surface functionalized by polymer derived silicon oxycarbonitride ceramic for anti-hydrolysis. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 828-833 | 5.7 | 8 |
| 10 | MoS _x surface-modified, hybrid core-shell structured LiFePO ₄ cathode for superior Li-ion battery applications. <i>Journal of Alloys and Compounds</i> , 2021 , 872, 159718 | 5.7 | 5 |
| 9 | A platinum-like behavior electrocatalyst and solid polymer electrolyte technique used on high concentration of electrochemical ozone water generation. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 3923-3928 | 2.6 | 4 |
| 8 | Co ₉ Se ₈ nanoparticles as high capacity anode material for lithium-ion batteries. <i>Materials Research Express</i> , 2018 , 5, 075510 | 1.7 | 3 |
| 7 | Hot-injection for synthesizing ammonium thiosulfate precursor of molybdenum disulfide thin film coated on nano-porous aluminum oxide for surface strengthening. <i>Journal of Alloys and Compounds</i> , 2020 , 848, 156262 | 5.7 | 3 |

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| 6 | Multifunctional electro-chemically exfoliated graphene with alumina composite by spray-coating for energy efficient glass. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 203, 110199 | 6.4 | 2 |
| 5 | Silicon carbonitride ceramic surface-modified nanoporous aluminum alloy by preceramic polysilazane precursor for surface strengthening. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 267, 115113 | 3.1 | 2 |
| 4 | Commercial carbon anode material surface-modified by spinel lithium titanate for fast lithium-ion interaction. <i>MRS Communications</i> , 2020 , 10, 141-146 | 2.7 | 1 |
| 3 | Polymer derived gel-like preceramic precursor of core-shell silicon oxycarbide ceramic for robocasting. <i>Ceramics International</i> , 2019 , 45, 23475-23481 | 5.1 | 1 |
| 2 | Tunable hydrogen generation from sodium borohydride with silicon carbonitride functionalized carbon nanostructure electrode. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 5447-5454 | 6.7 | 1 |
| 1 | Carbon fiber surface-modified by polymer derived ceramic incorporated with graphene to strengthen the mechanical and electrochemical properties of ceramic-carbon fiber composite. <i>Composites Science and Technology</i> , 2022 , 221, 109294 | 8.6 | 0 |