

Lung-Hao Hu

List of Publications by Year in Descending Order

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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
citations

9
h-index

24
g-index

25
ext. papers

705
ext. citations

6.2
avg, IF

4.05
L-index

#	Paper	IF	Citations
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	Bifunctional separator as a polysulfide mediator for highly stable LiS batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9661-9669	13	67
11	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
10	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
9	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
8	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
7	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

6	Few layer graphene paper from electrochemical process for heat conduction. <i>Materials Research Innovations</i> , 2014 , 18, 208-213	1.9	8
5	Graphene-modified LiFePO ₄ cathode for lithium ion battery beyond theoretical capacity. <i>Nature Communications</i> , 2013 , 4, 1687	17.4	393
4	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
3	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
2	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
1	Superefficient thin film multilayer catalyst for generating hydrogen from sodium borohydride. <i>Journal of Power Sources</i> , 2011 , 196, 741-746	8.9	14