

Lung-Hao Hu

List of Publications by Year in descending order

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25
papers

798
citations

840119

11
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

1674
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-modified LiFePO ₄ cathode for lithium ion battery beyond theoretical capacity. Nature Communications, 2013, 4, 1687.	5.8	481
2	Bifunctional separator as a polysulfide mediator for highly stable Li-S batteries. Journal of Materials Chemistry A, 2016, 4, 9661-9669.	5.2	86
3	Semiconductive Behavior of Polymer-Derived SiCN Ceramics for Hydrogen Sensing. Journal of the American Ceramic Society, 2015, 98, 1052-1055.	1.9	23
4	High-performance graphene/sulphur electrodes for flexible Li-ion batteries using the low-temperature spraying method. Nanoscale, 2015, 7, 8093-8100.	2.8	23
5	Ultrahigh figure-of-merit for hydrogen generation from sodium borohydride using ternary metal catalysts. Journal of Power Sources, 2011, 196, 69-75.	4.0	22
6	Superefficient thin film multilayer catalyst for generating hydrogen from sodium borohydride. Journal of Power Sources, 2011, 196, 741-746.	4.0	16
7	Chemically modified morphologies of vanadium pentoxide as superior cathode material for lithium ion battery. Journal of Alloys and Compounds, 2015, 632, 126-132.	2.8	16
8	Si-OCN Functionalized Carbon Nanotube Gas Sensors for Elevated Temperature Applications. Journal of the American Ceramic Society, 2015, 98, 1142-1149.	1.9	16
9	Aluminum nitride surface functionalized by polymer derived silicon oxycarbonitride ceramic for anti-hydrolysis. Journal of Alloys and Compounds, 2019, 772, 828-833.	2.8	13
10	Micro-protective layer for lifetime extension of solid polymer electrolyte water electrolysis. Journal of Power Sources, 2012, 207, 81-85.	4.0	12
11	Sulphur-reduced self-assembly of flower-like vanadium pentoxide as superior cathode material for Li-ion battery. Journal of Alloys and Compounds, 2016, 655, 79-85.	2.8	12
12	Few layer graphene paper from electrochemical process for heat conduction. Materials Research Innovations, 2014, 18, 208-213.	1.0	11
13	Influence of ink preparation with the untreated and the burned Pt/C catalysts for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2014, 39, 11454-11461.	3.8	10
14	Carbon fiber surface-modified by polymer derived ceramic incorporated with graphene to strengthen the mechanical and electrochemical properties of ceramic-carbon fiber composite. Composites Science and Technology, 2022, 221, 109294.	3.8	10
15	MoS _x surface-modified, hybrid core-shell structured LiFePO ₄ cathode for superior Li-ion battery applications. Journal of Alloys and Compounds, 2021, 872, 159718.	2.8	9
16	Polymer derived gel-like preceramic precursor of core-shell silicon oxycarbide ceramic for robocasting. Ceramics International, 2019, 45, 23475-23481.	2.3	7
17	Surface mechanical and electrochemical properties of zirconium oxide embedded silicon carbonitride ceramic composite film by polysilazane preceramic precursor. Journal of Alloys and Compounds, 2022, 922, 166290.	2.8	7
18	A platinum-like behavior electrocatalyst and solid polymer electrolyte technique used on high concentration of electrochemical ozone water generation. Journal of Solid State Electrochemistry, 2012, 16, 3923-3928.	1.2	5

#	ARTICLE	IF	CITATIONS
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.	2.8	5
20	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.	1.7	5
21	Co ₉ Se ₈ nanoparticles as high capacity anode material for lithium-ion batteries. <i>Materials Research Express</i> , 2018, 5, 075510.	0.8	4
22	Multifunctional electro-chemically exfoliated graphene with γ -alumina composite by spray-coating for energy efficient glass. <i>Solar Energy Materials and Solar Cells</i> , 2019, 203, 110199.	3.0	2
23	Commercial carbon anode material surface-modified by spinel lithium titanate for fast lithium-ion interaction. <i>MRS Communications</i> , 2020, 10, 141-146.	0.8	2
24	Tunable hydrogen generation from sodium borohydride with silicon carbonitride functionalized carbon nanostructure electrode. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5447-5454.	3.8	1
25	PDCs functionalized carbon nanostructure for gas sensing application. , 2012, , .		0