

Umair Gulzar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7865297/publications.pdf>

Version: 2024-02-01

17
papers

835
citations

686830

13
h-index

940134

16
g-index

17
all docs

17
docs citations

17
times ranked

1522
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Understanding of Lithium-Sulfur Battery Technology. <i>Advanced Functional Materials</i> , 2019, 29, 1901730.	7.8	267
2	Evolution of 3D Printing Methods and Materials for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2020, 32, e2000556.	11.1	134
3	Next-generation textiles: from embedded supercapacitors to lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16771-16800.	5.2	111
4	Review-Energy Autonomous Wearable Sensors for Smart Healthcare: A Review. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037516.	1.3	74
5	Nitrogen-Doped Single-Walled Carbon Nanohorns as a Cost-Effective Carbon Host toward High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5551-5559.	4.0	57
6	Additive manufacturing for energy storage: Methods, designs and material selection for customizable 3D printed batteries and supercapacitors. <i>Current Opinion in Electrochemistry</i> , 2020, 20, 46-53.	2.5	55
7	Effective separation and analysis of E- and Z-guggulsterones in <i>Commiphora mukul</i> resin, guggulipid and their pharmaceutical product by high performance thin-layer chromatography-densitometric method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 240-245.	1.4	19
8	Facile synthesis of Ge-MWCNT nanocomposite electrodes for high capacity lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19721-19728.	5.2	19
9	Insight on the Failure Mechanism of Sn Electrodes for Sodium-Ion Batteries: Evidence of Pore Formation during Sodiation and Crack Formation during Desodiation. <i>ACS Applied Energy Materials</i> , 2019, 2, 860-866.	2.5	18
10	Nitrogen-doped single walled carbon nanohorns enabling effective utilization of Ge nanocrystals for next generation lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 298, 89-96.	2.6	17
11	Surface and interface engineering of anatase TiO ₂ anode for sodium-ion batteries through Al ₂ O ₃ surface modification and wise electrolyte selection. <i>Journal of Power Sources</i> , 2018, 384, 18-26.	4.0	15
12	Damage Formation in Sn Film Anodes of Na-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15244-15250.	1.5	14
13	Facile Synthesis of Highly Graphitized Carbon via Reaction of CaC ₂ with Sulfur and Its Application for Lithium/Sodium-Ion Batteries. <i>ACS Omega</i> , 2019, 4, 8312-8317.	1.6	13
14	Towards enhanced sodium storage of anatase TiO ₂ via a dual-modification approach of Mo doping combined with AlF ₃ coating. <i>Nanoscale</i> , 2020, 12, 15896-15904.	2.8	11
15	Effective separation and simultaneous analysis of anabolic androgenic steroids (AAS) in their pharmaceutical formulations by a validated TLC-densitometry method. <i>Chemistry Central Journal</i> , 2012, 6, 54.	2.6	9
16	A general thiol assay based on the suppression of fluorescence resonance energy transfer in magnetic-resin core-shell nanospheres coated with gold nanoparticles. <i>Mikrochimica Acta</i> , 2015, 182, 2285-2292.	2.5	2
17	Porous Germanium Anode for Li-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0