

Sung Mi Jung

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,227
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

2698
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bioactive Carbon Nanotube-Based Ink for Printing 2D and 3D Flexible Electronics. <i>Advanced Materials</i> , 2016, 28, 3280-3289.	21.0	199
2	A facile route for 3D aerogels from nanostructured 1D and 2D materials. <i>Scientific Reports</i> , 2012, 2, 849.	3.3	174
3	Controlled porous structures of graphene aerogels and their effect on supercapacitor performance. <i>Nanoscale</i> , 2015, 7, 4386-4393.	5.6	163
4	Layer-by-Layer Assembly of 3D Tissue Constructs with Functionalized Graphene. <i>Advanced Functional Materials</i> , 2014, 24, 6136-6144.	14.9	151
5	Aligned Carbon Nanotube-Based Flexible Gel Substrates for Engineering Biohybrid Tissue Actuators. <i>Advanced Functional Materials</i> , 2015, 25, 4486-4495.	14.9	146
6	Porous Cu Nanowire Aerosponges from One-Step Assembly and their Applications in Heat Dissipation. <i>Advanced Materials</i> , 2016, 28, 1413-1419.	21.0	109
7	A Facile Methodology for the Production of In Situ Inorganic Nanowire Hydrogels/Aerogels. <i>Nano Letters</i> , 2014, 14, 1810-1817.	9.1	98
8	Understanding Excess Li Storage beyond LiC_6 in Reduced Dimensional Scale Graphene. <i>ACS Nano</i> , 2021, 15, 797-808.	14.6	50
9	M13 Virus Aerogels as a Scaffold for Functional Inorganic Materials. <i>Advanced Functional Materials</i> , 2017, 27, 1603203.	14.9	37
10	Which is the most effective pristine graphene electrode for energy storage devices: aerogel or xerogel?. <i>Nanoscale</i> , 2019, 11, 17563-17570.	5.6	20
11	Selective ion transport of catalytic hybrid aerofilm interlayer for long-stable Li-S batteries. <i>Energy Storage Materials</i> , 2022, 47, 472-481.	18.0	20
12	Combined process of electrically-membrane bioreactor and TiO_2 aerogel filtration for efficient wastewater treatment. <i>Journal of Water Process Engineering</i> , 2019, 28, 107-114.	5.6	16
13	Efficient lithium storage from modified vertically aligned carbon nanotubes with open-ends. <i>RSC Advances</i> , 2015, 5, 68875-68880.	3.6	12
14	Multifunctional Inorganic Nanomaterial Aerogel Assembled into fSWNT Hydrogel Platform for Ultrasensitive NO_2 Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10637-10647.	8.0	10
15	Sculpting carbon bonds for allotropic transformation through solid-state re-engineering of sp^2 carbon. <i>Nature Communications</i> , 2014, 5, 4941.	12.8	7
16	Catalytic synthesis of few-layer graphene on titania nanowires. <i>Nanoscale</i> , 2018, 10, 1015-1022.	5.6	6
17	Unlocking Rapid Charging and Extended Lifetimes for Li-Ion Batteries Using Freestanding Quantum Conversion-Type Aerofilm Anode. <i>ACS Nano</i> , 2021, 15, 18437-18447.	14.6	5
18	Chemically engineered alloy anode enabling fully reversible conversion reaction: design of a Ca-Sn -bonded aerofilm anode. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3595-3604.	10.3	4