

Fenfen Wang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

210
citations

1039880

9
h-index

1058333

14
g-index

20
all docs

20
docs citations

20
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	Life cycle assessment of lithium oxygen battery for electric vehicles. Journal of Cleaner Production, 2020, 264, 121339.	4.6	49
2	A Critical Review on Materials and Fabrications of Thermally Stable Separators for Lithium-ion Batteries. Advanced Materials Technologies, 2022, 7, .	3.0	26
3	Embedding Co ₂ P Nanoparticles in N-Doped Carbon Nanotubes Grown on Porous Carbon Polyhedra for High-Performance Lithium-Ion Batteries. Industrial & Engineering Chemistry Research, 2018, 57, 13019-13025.	1.8	21
4	Experimental and numerical investigations into the transient multi-wafer batch atomic layer deposition process with vertical and horizontal wafer arrangements. International Journal of Heat and Mass Transfer, 2015, 91, 416-427.	2.5	19
5	Material and Energy Efficiency Analysis of Low Pressure Chemical Vapor Deposition of TiO ₂ Film. Procedia CIRP, 2014, 15, 32-37.	1.0	12
6	Comparative Life Cycle Assessment of Silicon Nanowire and Silicon Nanotube Based Lithium Ion Batteries for Electric Vehicles. Procedia CIRP, 2019, 80, 310-315.	1.0	12
7	Micro Silicon-Graphene-Carbon Nanotube Anode for Full Cell Lithium-ion Battery. Journal of Electrochemical Energy Conversion and Storage, 2019, 16, .	1.1	9
8	Environmental Sustainability of Liquid-Based Chemical Synthesis of Si Nanotube as Anode for Lithium-ion Batteries. ACS Applied Nano Materials, 2019, 2, 5546-5552.	2.4	9
9	Design and Cost Modeling of High Capacity Lithium Ion Batteries for Electric Vehicles through A Techno-economic Analysis Approach. Procedia Manufacturing, 2020, 49, 24-31.	1.9	9
10	Environmental Emissions from Chemical Etching Synthesis of Silicon Nanotube for Lithium Ion Battery Applications. Journal of Manufacturing and Materials Processing, 2018, 2, 11.	1.0	6
11	Experimental Study of Process Emissions From Atomic Layer Deposition of Al ₂ O ₃ Under Various Temperatures and Purge Time. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	1.3	4
12	Sustainability Analysis of Silicon Nanowire Fabrication for High Performance Lithium Ion Battery Anode. Procedia Manufacturing, 2017, 7, 151-156.	1.9	3
13	Laser ablation on lithium-ion battery electrode solid electrolyte interface removal. Journal of Laser Applications, 2017, 29, 042002.	0.8	3
14	Nanoparticle Emissions From Metal-Assisted Chemical Etching of Silicon Nanowires for Lithium Ion Batteries. Journal of Micro and Nano-Manufacturing, 2019, 7, .	0.8	3
15	Experimental Methods to Study Environmental Sustainability of Silicon-based Lithium Ion Battery Manufacturing. Procedia Manufacturing, 2019, 33, 501-507.	1.9	2
16	An Environmental Sustainability Analysis Tool for Next Generation Lithium Ion Batteries of Electric Vehicles. Procedia CIRP, 2022, 105, 489-494.	1.0	2
17	Environmental Sustainability of Metal-Assisted Chemical Etching of Silicon Nanowires for Lithium-Ion Battery Anode. Journal of Electrochemical Energy Conversion and Storage, 2020, 17, .	1.1	1
18	Energy and exergy analyses of atomic layer deposition of Al ₂ O ₃ nano-film process. International Journal of Exergy, 2014, 15, 62.	0.2	0