

Fenfen Wang

List of Publications by Year in descending order

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18
papers

210
citations

1039880

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1058333

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all docs

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docs citations

20
times ranked

224
citing authors

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