Neslihan Yuca

List of Publications by Year
in descending order

24	648	623734 14	677142 22
papers	citations	h-index	g-index

25	25	25	1042
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Side-Chain Conducting and Phase-Separated Polymeric Binders for High-Performance Silicon Anodes in Lithium-Ion Batteries. Journal of the American Chemical Society, 2015, 137, 2565-2571.	13.7	203
2	High Capacity and High Density Functional Conductive Polymer and SiO Anode for High-Energy Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 862-866.	8.0	72
3	A Systematic Investigation of Polymer Binder Flexibility on the Electrode Performance of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 17111-17118.	8.0	65
4	Effect of hydrogen and oxygen addition as a mixture on emissions and performance characteristics of a gasoline engine. International Journal of Hydrogen Energy, 2015, 40, 8750-8760.	7.1	36
5	Highly efficient poly(fluorene phenylene) copolymer as a new class of binder for high-capacity silicon anode in lithium-ion batteries. International Journal of Energy Research, 2018, 42, 1148-1157.	4.5	33
6	A Convenient and Versatile Method To Control the Electrode Microstructure toward High-Energy Lithium-Ion Batteries. Nano Letters, 2016, 16, 4686-4690.	9.1	32
7	A polymerized vinylene carbonate anode binder enhances performance of lithium-ion batteries. Journal of Power Sources, 2014, 263, 288-295.	7.8	23
8	Synthesis of Carbon-Based Nano Materials for Hydrogen Storage. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 31-46.	2.1	22
9	Hydrogen adsorption on carbon nanotubes purified by different methods. International Journal of Hydrogen Energy, 2011, 36, 11467-11473.	7.1	20
10	Influence of Doping and Controlled Sn Charge State on the Properties and Performance of SnO₂ Nanoparticles as Anodes in Li-Ion Batteries. Journal of Physical Chemistry C, 2020, 124, 18490-18501.	3.1	20
11	A facile and functional process to enhance electrochemical performance of silicon anode in lithium ion batteries. Electrochimica Acta, 2016, 222, 1538-1544.	5.2	18
12	Novel approach with polyfluorene/polydisulfide copolymer binder for highâ€capacity silicon anode in lithiumâ€ion batteries. Journal of Applied Polymer Science, 2020, 137, 48303.	2.6	18
13	Interconnected conductive gel binder for high capacity silicon anode for Li-ion batteries. Materials Letters, 2020, 273, 127918.	2.6	17
14	An overview on efforts to enhance the Si electrode stability for lithium ion batteries. Energy Storage, 2020, 2, e94.	4.3	16
15	Synthesis and characterization of li-rich cathode material for lithium ion batteries. Materials Letters, 2020, 273, 127927.	2.6	13
16	Synergistic effect of carbon nanomaterials on a cost-effective coral-like Si/rGO composite for lithium ion battery application. Electrochimica Acta, 2020, 339, 135917.	5.2	12
17	Self-Healing Systems in Silicon Anodes for Li-Ion Batteries. Materials, 2022, 15, 2392.	2.9	11
18	The electrochemical behavior of silicon and graphite anode materials with different cathodes for lithium ion cells. Materials Letters, 2020, 272, 127889.	2.6	6

#	Article	IF	Citations
19	The role of H2reduction in the growth of single-walled carbon nanotubes. , 2013, , .		3
20	Effect of Mn, Ni, Co transition metal ratios in lithium rich metal oxide cathodes on lithium ion battery performance. Materials Today: Proceedings, 2020, 33, 2490-2494.	1.8	3
21	Carbon nanotube synthesis with different support materials and catalysts. Proceedings of SPIE, 2013, , .	0.8	2
22	Colloidal polypyrrole as binder for silicon anode in lithium ion batteries. Energy Storage, 2022, 4, .	4.3	2
23	Different techniques for characterizing single-walled carbon nanotube purity. Proceedings of SPIE, 2013, , .	0.8	1
24	Systematic structural characterization of highâ€density porous silicon anodes in lithiumâ€ion batteries. Energy Storage, 2019, 1, e78.	4.3	0