

Mohammad Akbari Garakani

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,134
citations

411340

20
h-index

759306

22
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all docs

23
docs citations

23
times ranked

4322
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable spray-coated graphene-based electrodes for high-power electrochemical double-layer capacitors operating over a wide range of temperature. <i>Energy Storage Materials</i> , 2021, 34, 1-11.	9.5	61
2	From scaled-up production of silicon-graphene nanocomposite to the realization of an ultra-stable full-cell Li-ion battery. <i>2D Materials</i> , 2021, 8, 035014.	2.0	15
3	<i>In situ</i> TEM study of lithiation into a PPy coated MnO_2 /graphene foam freestanding electrode. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1481-1488.	3.2	16
4	Ultrafine SnO_2 nanoparticles encapsulated in ordered mesoporous carbon framework for Li-ion battery anodes. <i>Electrochimica Acta</i> , 2018, 284, 436-443.	2.6	52
5	Heterogeneous, mesoporous NiCo_2O_4 MnO_2 /graphene foam for asymmetric supercapacitors with ultrahigh specific energies. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3547-3557.	5.2	106
6	Enhanced conversion reaction kinetics in low crystallinity SnO_2 /CNT anodes for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10964-10973.	5.2	111
7	Study of lithiation mechanisms of high performance carbon-coated Si anodes by in-situ microscopy. <i>Energy Storage Materials</i> , 2016, 3, 45-54.	9.5	47
8	Electrospun graphitic carbon nanofibers with in-situ encapsulated Co@Ni nanoparticles as freestanding electrodes for Li@O_2 batteries. <i>Carbon</i> , 2016, 100, 329-336.	5.4	79
9	Carbon-coated mesoporous silicon microsphere anodes with greatly reduced volume expansion. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6098-6106.	5.2	81
10	NiCo_2O_4 /CNT nanocomposites as bi-functional electrodes for Li ion batteries and supercapacitors. <i>Carbon</i> , 2016, 102, 262-272.	5.4	127
11	Porous graphene oxide/carbon nanotube hybrid films as interlayer for lithium-sulfur batteries. <i>Carbon</i> , 2016, 99, 624-632.	5.4	246
12	Electrospun Carbon Nanofibers with in Situ Encapsulated Co_3O_4 Nanoparticles as Electrodes for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13503-13511.	4.0	199
13	Novel interlayer made from Fe_3C /carbon nanofiber webs for high performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 285, 43-50.	4.0	178
14	Graphene Aerogel/Epoxy Composites with Exceptional Anisotropic Structure and Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5538-5549.	4.0	235
15	Controlled synthesis of cobalt carbonate/graphene composites with excellent supercapacitive performance and pseudocapacitive characteristics. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17827-17836.	5.2	48
16	In-situ TEM examination and exceptional long-term cyclic stability of ultrafine Fe_3O_4 nanocrystal/carbon nanofiber composite electrodes. <i>Energy Storage Materials</i> , 2015, 1, 25-34.	9.5	46
17	Exceptional rate performance of functionalized carbon nanofiber anodes containing nanopores created by (Fe) sacrificial catalyst. <i>Nano Energy</i> , 2014, 4, 88-96.	8.2	94
18	Nanocavity-engineered Si/multi-functional carbon nanofiber composite anodes with exceptional high-rate capacities. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17944-17951.	5.2	42

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19	Cobalt Carbonate/ and Cobalt Oxide/Graphene Aerogel Composite Anodes for High Performance Li-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 18971-18980.	4.0	135
20	Carbon nanofibers containing Si nanoparticles and graphene-covered Ni for high performance anodes in Li ion batteries. RSC Advances, 2014, 4, 22359-22366.	1.7	37
21	Co ₃ O ₄ /porous electrospun carbon nanofibers as anodes for high performance Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 16939-16944.	5.2	115
22	Effect of long-term service exposure on microstructure and mechanical properties of Alloy 617. Materials & Design, 2011, 32, 2695-2700.	5.1	64