

Xiaoyi Cai

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

920
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

1929
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in air electrodes for Zn-air batteries: electrocatalysis and structural design. <i>Materials Horizons</i> , 2017, 4, 945-976.	12.2	263
2	Graphene and graphene-based composites as Li-ion battery electrode materials and their application in full cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15423-15446.	10.3	184
3	2020 roadmap on two-dimensional materials for energy storage and conversion. <i>Chinese Chemical Letters</i> , 2019, 30, 2053-2064.	9.0	140
4	Free-standing vertically-aligned nitrogen-doped carbon nanotube arrays/graphene as air-breathing electrodes for rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2488-2495.	10.3	83
5	V ₂ O ₅ embedded in vertically aligned carbon nanotube arrays as free-standing electrodes for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23727-23736.	10.3	73
6	Co ₂ P@N,P-Codoped Carbon Nanofiber as a Free-Standing Air Electrode for Zn-Air Batteries: Synergy Effects of CoN _x Satellite Shells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10364-10372.	8.0	73
7	Binary metal sulfides and polypyrrole on vertically aligned carbon nanotube arrays/carbon fiber paper as high-performance electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22043-22052.	10.3	36
8	A cathode for Li-ion batteries made of vanadium oxide on vertically aligned carbon nanotube arrays/graphene foam. <i>Chemical Engineering Journal</i> , 2019, 359, 1668-1676.	12.7	25
9	N, P Co-doped Hierarchical Porous Graphene as a Metal-Free Bifunctional Air Cathode for Zn-Air Batteries. <i>ChemElectroChem</i> , 2018, 5, 1811-1816.	3.4	19
10	Graphene-supported non-precious metal electrocatalysts for oxygen reduction reactions: the active center and catalytic mechanism. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7148-7154.	10.3	17