

Xiang Sun

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,152
citations

279798

23
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

5849
citing authors

#	ARTICLE	IF	CITATIONS
1	High-rate lithiation-induced reactivation of mesoporous hollow spheres for long-lived lithium-ion batteries. <i>Nature Communications</i> , 2014, 5, 4526.	12.8	586
2	Large-Area Freestanding Graphene Paper for Superior Thermal Management. <i>Advanced Materials</i> , 2014, 26, 4521-4526.	21.0	386
3	Flexible Pillared Graphene-Paper Electrodes for High-Performance Electrochemical Supercapacitors. <i>Small</i> , 2012, 8, 452-459.	10.0	297
4	Atomic Layer Deposition of TiO ₂ on Graphene for Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2012, 159, A364-A369.	2.9	186
5	Porous nickel oxide nano-sheets for high performance pseudocapacitance materials. <i>Journal of Materials Chemistry</i> , 2011, 21, 16581.	6.7	175
6	Morphology controlled high performance supercapacitor behaviour of the Ni-Co binary hydroxide system. <i>Journal of Power Sources</i> , 2013, 238, 150-156.	7.8	175
7	Flexible free-standing graphene-TiO ₂ hybrid paper for use as lithium ion battery anode materials. <i>Carbon</i> , 2013, 51, 322-326.	10.3	156
8	Rapid synthesis of nitrogen-doped graphene for a lithium ion battery anode with excellent rate performance and super-long cyclic stability. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1060-1066.	2.8	146
9	Graphene-Wrapped Mesoporous Cobalt Oxide Hollow Spheres Anode for High-Rate and Long-Life Lithium Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2263-2272.	3.1	119
10	Synthesis of ZnO quantum dot/graphene nanocomposites by atomic layer deposition with high lithium storage capacity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7319-7326.	10.3	117
11	Pseudocapacitance of Amorphous TiO ₂ Thin Films Anchored to Graphene and Carbon Nanotubes Using Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22497-22508.	3.1	102
12	Temperature-Dependent Morphology Evolution and Surface Plasmon Absorption of Ultrathin Gold Island Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9000-9008.	3.1	82
13	ZnO/graphene nanocomposite fabricated by high energy ball milling with greatly enhanced lithium storage capability. <i>Electrochemistry Communications</i> , 2013, 34, 312-315.	4.7	76
14	Atomic layer deposition of amorphous TiO ₂ on graphene as an anode for Li-ion batteries. <i>Nanotechnology</i> , 2013, 24, 424002.	2.6	76
15	Amorphous vanadium oxide coating on graphene by atomic layer deposition for stable high energy lithium ion anodes. <i>Chemical Communications</i> , 2014, 50, 10703.	4.1	61
16	Amorphous Ultrathin SnO ₂ Films by Atomic Layer Deposition on Graphene Network as Highly Stable Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27735-27742.	8.0	59
17	Stabilizing an amorphous V ₂ O ₅ /carbon nanotube paper electrode with conformal TiO ₂ coating by atomic layer deposition for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 537-544.	10.3	57
18	Microwave Absorption Characteristics of Conventionally Heated Nonstoichiometric Ferrous Oxide. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 2259-2263.	2.2	55

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19	Amorphous Ultrathin TiO ₂ Atomic Layer Deposition Films on Carbon Nanotubes as Anodes for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A974-A981.	2.9	53
20	3D WO ₃ nanowires/graphene nanocomposite with improved reversible capacity and cyclic stability for lithium ion batteries. <i>Materials Letters</i> , 2013, 108, 29-32.	2.6	51
21	Porous Fe ₂ O ₃ nanorods anchored on nitrogen-doped graphenes and ultrathin Al ₂ O ₃ coating by atomic layer deposition for long-lived lithium ion battery anode. <i>Carbon</i> , 2014, 76, 141-147.	10.3	46
22	Tailoring oxidation degrees of graphene oxide by simple chemical reactions. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	42
23	Electrospray deposition of a Co ₃ O ₄ nanoparticles@graphene composite for a binder-free lithium ion battery electrode. <i>RSC Advances</i> , 2014, 4, 1521-1525.	3.6	29
24	Controlled synthesis of MnSn(OH) ₆ /graphene nanocomposites and their electrochemical properties as capacitive materials. <i>Journal of Solid State Chemistry</i> , 2012, 185, 172-179.	2.9	16
25	Ultrathin gold island films for time-dependent temperature sensing. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	4