Xiang Sun

List of Publications by Year in descending order

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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	Stabilizing an amorphous V₂O₅/carbon nanotube paper electrode with conformal TiO₂ coating by atomic layer deposition for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 537-544.	10.3	57
2	Amorphous Ultrathin SnO₂ Films by Atomic Layer Deposition on Graphene Network as Highly Stable Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 27735-27742.	8.0	59
3	Amorphous Ultrathin TiO₂Atomic Layer Deposition Films on Carbon Nanotubes as Anodes for Lithium Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A974-A981.	2.9	53
4	Graphene-Wrapped Mesoporous Cobalt Oxide Hollow Spheres Anode for High-Rate and Long-Life Lithium Ion Batteries. Journal of Physical Chemistry C, 2014, 118, 2263-2272.	3.1	119
5	Ultrathin gold island films for time-dependent temperature sensing. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	4
6	Largeâ€Area Freestanding Graphene Paper for Superior Thermal Management. Advanced Materials, 2014, 26, 4521-4526.	21.0	386
7	Rapid synthesis of nitrogen-doped graphene for a lithium ion battery anode with excellent rate performance and super-long cyclic stability. Physical Chemistry Chemical Physics, 2014, 16, 1060-1066.	2.8	146
8	Amorphous vanadium oxide coating on graphene by atomic layer deposition for stable high energy lithium ion anodes. Chemical Communications, 2014, 50, 10703.	4.1	61
9	High-rate lithiation-induced reactivation of mesoporous hollow spheres for long-lived lithium-ion batteries. Nature Communications, 2014, 5, 4526.	12.8	586
10	Synthesis of ZnO quantum dot/graphene nanocomposites by atomic layer deposition with high lithium storage capacity. Journal of Materials Chemistry A, 2014, 2, 7319-7326.	10.3	117
11	Electrospray deposition of a Co₃O₄nanoparticlesâ€“graphene composite for a binder-free lithium ion battery electrode. RSC Advances, 2014, 4, 1521-1525.	3.6	29
12	Porous Fe2O3 nanorods anchored on nitrogen-doped graphenes and ultrathin Al2O3 coating by atomic layer deposition for long-lived lithium ion battery anode. Carbon, 2014, 76, 141-147.	10.3	46
13	ZnO/graphene nanocomposite fabricated by high energy ball milling with greatly enhanced lithium storage capability. Electrochemistry Communications, 2013, 34, 312-315.	4.7	76
14	Pseudocapacitance of Amorphous TiO₂ Thin Films Anchored to Graphene and Carbon Nanotubes Using Atomic Layer Deposition. Journal of Physical Chemistry C, 2013, 117, 22497-22508.	3.1	102
15	Flexible free-standing grapheneâ€“TiO2 hybrid paper for use as lithium ion battery anode materials. Carbon, 2013, 51, 322-326.	10.3	156
16	3D WO3 nanowires/graphene nanocomposite with improved reversible capacity and cyclic stability for lithium ion batteries. Materials Letters, 2013, 108, 29-32.	2.6	51
17	Morphology controlled high performance supercapacitor behaviour of the Niâ€“Co binary hydroxide system. Journal of Power Sources, 2013, 238, 150-156.	7.8	175
18	Atomic layer deposition of amorphous TiO₂on graphene as an anode for Li-ion batteries. Nanotechnology, 2013, 24, 424002.	2.6	76

#	Article	IF	Citations
19	Temperature-Dependent Morphology Evolution and Surface Plasmon Absorption of Ultrathin Gold Island Films. Journal of Physical Chemistry C, 2012, 116, 9000-9008.	3.1	82
20	Atomic Layer Deposition of TiO₂on Graphene for Supercapacitors. Journal of the Electrochemical Society, 2012, 159, A364-A369.	2.9	186
21	Flexible Pillared Grapheneâ€Paper Electrodes for Highâ€Performance Electrochemical Supercapacitors. Small, 2012, 8, 452-459.	10.0	297
22	Controlled synthesis of MnSn(OH)6/graphene nanocomposites and their electrochemical properties as capacitive materials. Journal of Solid State Chemistry, 2012, 185, 172-179.	2.9	16
23	Porous nickel oxide nano-sheets for high performance pseudocapacitance materials. Journal of Materials Chemistry, 2011, 21, 16581.	6.7	175
24	Tailoring oxidation degrees of graphene oxide by simple chemical reactions. Applied Physics Letters, 2011, 99, .	3.3	42
25	Microwave Absorption Characteristics of Conventionally Heated Nonstoichiometric Ferrous Oxide. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 2259-2263.	2.2	55