Ming Xie

List of Publications by Year
in descending order

24 papers	1,248 citations	567281 15 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	2410 citing authors

#	ARTICLE	IF	CITATIONS
1	Patterned Growth of Boron Nitride Nanotubes by Catalytic Chemical Vapor Deposition. Chemistry of Materials, 2010, 22, 1782-1787.	6.7	194
2	Atomic Layer Deposition of TiO₂on Graphene for Supercapacitors. Journal of the Electrochemical Society, 2012, 159, A364-A369.	2.9	186
3	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
4	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
5	Noncovalent Functionalization of Boron Nitride Nanotubes with Poly(<i>p</i>-phenylene-ethynylene)s and Polythiophene. ACS Applied Materials & Interfaces, 2010, 2, 104-110.	8.0	86
6	Atomic layer deposition of amorphous TiO₂on graphene as an anode for Li-ion batteries. Nanotechnology, 2013, 24, 424002.	2.6	76
7	Coating Solution for High-Voltage Cathode: AlF₃ Atomic Layer Deposition for Freestanding LiCoO₂ Electrodes with High Energy Density and Excellent Flexibility. ACS Applied Materials & Interfaces, 2017, 9, 9614-9619.	8.0	68
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	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
10	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
11	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
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	Free-standing high-voltage LiCoO₂/multi-wall carbon nanotube paper electrodes with extremely high areal mass loading for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 23180-23184.	10.3	26
14	Potential Impact of ZT = 4 Thermoelectric Materials on Solar Thermal Energy Conversion Technologies. Journal of Physical Chemistry B, 2010, 114, 14339-14342.	2.6	25
15	ZnO quantum dots-graphene composite for efficient ultraviolet sensing. Materials Letters, 2013, 112, 165-168.	2.6	21
16	Mechanism for Low Temperature Growth of Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2010, 114, 16236-16241.	3.1	14
17	Growth of p-type Si nanotubes by catalytic plasma treatments. Nanotechnology, 2008, 19, 365609.	2.6	12
18	High-performance flexible nanoporous Si-carbon nanotube paper anodes for micro-battery applications. Nanotechnology, 2016, 27, 245401.	2.6	10

#	Article	IF	Citations
19	Configurational, electronic entropies and the thermoelectric properties of nanocarbon ensembles. Applied Physics Letters, 2008, 92, .	3.3	9
20	Doped Si nanoparticles with conformal carbon coating and cyclized-polyacrylonitrile network as high-capacity and high-rate lithium-ion battery anodes. Nanotechnology, 2015, 26, 365401.	2.6	9
21	Controlled Growth of Carbon, Boron Nitride, and Zinc Oxide Nanotubes. IEEE Sensors Journal, 2008, 8, 922-929.	4.7	7
22	Synthesis of CeVO4-V2O5 nanowires by cation-exchange method for high-performance lithium-ion battery electrode. Journal of Alloys and Compounds, 2021, 887, 161237.	5.5	7
23	Induction annealing and subsequent quenching: Effect on the thermoelectric properties of boron-doped nanographite ensembles. Review of Scientific Instruments, 2010, 81, 043909.	1.3	2
24	Self-assembly of Silicon Nanotubes. Materials Research Society Symposia Proceedings, 2007, 1057, 1.	0.1	1