Bei Wang

List of Publications by Year
in descending order

35 papers	6,627 citations	257450 24 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	10247 citing authors

#	Article	IF	Citations
1	Functional Microarray Platform with Self-Assembled Monolayers on 3C-Silicon Carbide. Langmuir, 2020, 36, 13181-13192.	3.5	5
2	On-Silicon Supercapacitors with Enhanced Storage Performance. Journal of the Electrochemical Society, 2017, 164, A638-A644.	2.9	16
3	Longâ€Term Cycling Performance of Nitrogenâ€Doped Hollow Carbon Nanospheres as Anode Materials for Sodiumâ€Ion Batteries. European Journal of Inorganic Chemistry, 2016, 2016, 2051-2055.	2.0	29
4	All-solid-state supercapacitors on silicon using graphene from silicon carbide. Applied Physics Letters, 2016, 108, 183903.	3.3	15
5	Toward Label-Free Biosensing With Silicon Carbide: A Review. IEEE Access, 2016, 4, 477-497.	4.2	19
6	Electrochemical and Structural Study of Layered P2â€Type Na_{2/3}Ni_{1/3}Mn_{2/3}O₂ as Cathode Material for Sodiumâ€Ion Battery. Chemistry - an Asian Journal, 2015, 10, 661-666.	3.3	88
7	In₃Se₄ and S-doped In₃Se₄ nano/micro-structures as new anode materials for Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 7560-7567.	10.3	15
8	Enhanced Performance of a Pillared TiO₂ Nanohybrid as an Anode Material for Fast and Reversible Lithium Storage. ChemNanoMat, 2015, 1, 96-101.	2.8	9
9	A thin film approach for SiC-derived graphene as an on-chip electrode for supercapacitors. Nanotechnology, 2015, 26, 434005.	2.6	18
10	Synthesis of Phosphorusâ€Doped Graphene and its Wide Potential Window in Aqueous Supercapacitors. Chemistry - A European Journal, 2015, 21, 80-85.	3.3	230
11	Capacity-controllable Li-rich cathode materials for lithium-ion batteries. Nano Energy, 2014, 6, 92-102.	16.0	53
12	Graphene/MnO2 hybrid nanosheets as high performance electrode materials for supercapacitors. Materials Chemistry and Physics, 2014, 143, 740-746.	4.0	34
13	Dual Protection of Sulfur by Carbon Nanospheres and Graphene Sheets for Lithiumâ€“Sulfur Batteries. Chemistry - A European Journal, 2014, 20, 5224-5230.	3.3	39
14	Understanding the stepwise capacity increase of high energy low-Co Li-rich cathode materials for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 18767-18774.	10.3	52
15	Coral-like V2O5 nanowhiskers as high-capacity cathode materials for lithium-ion batteries. RSC Advances, 2013, 3, 5069.	3.6	20
16	Porous LiFePO4/C Microspheres as High-Power Cathode Materials for Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2013, 13, 3655-3659.	0.9	4
17	Solvothermal synthesis of CoS2â€“graphene nanocomposite material for high-performance supercapacitors. Journal of Materials Chemistry, 2012, 22, 15750.	6.7	205
18	Preparation and Enhanced Electrochemical Performance of MnO₂ Nanosheets for Supercapacitors. Journal of the Chinese Chemical Society, 2012, 59, 1275-1279.	1.4	9

#	Article	IF	Citations
19	Graphene-supported SnO2 nanoparticles prepared by a solvothermal approach for an enhanced electrochemical performance in lithium-ion batteries. Nanoscale Research Letters, 2012, 7, 215.	5.7	38
20	Sulfonation of graphene nanosheet-supported platinum via a simple thermal-treatment toward its oxygen reduction activity in acid medium. International Journal of Hydrogen Energy, 2012, 37, 14205-14210.	7.1	22
21	Superior Electrochemical Performance of Sulfur/Graphene Nanocomposite Material for Highâ€Capacity Lithiumâ€“Sulfur Batteries. Chemistry - an Asian Journal, 2012, 7, 1637-1643.	3.3	58
22	Graphene nanosheets as cathode catalysts for lithium-air batteries with an enhanced electrochemical performance. Carbon, 2012, 50, 727-733.	10.3	238
23	Enhance electrochemical performance of lithium sulfur battery through a solution-based processing technique. Journal of Power Sources, 2012, 202, 389-393.	7.8	57
24	In situ synthesis of Co3O4/graphene nanocomposite material for lithium-ion batteries and supercapacitors with high capacity and supercapacitance. Journal of Alloys and Compounds, 2011, 509, 7778-7783.	5.5	159
25	Advanced mechanical properties of graphene paper. Journal of Applied Physics, 2011, 109, .	2.5	146
26	Highly Ordered Mesoporous Cobalt Oxide Nanostructures: Synthesis, Characterisation, Magnetic Properties, and Applications for Electrochemical Energy Devices. Chemistry - A European Journal, 2010, 16, 11020-11027.	3.3	136
27	Mn3O4 nanoparticles embedded into graphene nanosheets: Preparation, characterization, and electrochemical properties for supercapacitors. Electrochimica Acta, 2010, 55, 6812-6817.	5.2	231
28	In situ chemical synthesis of SnO2â€“graphene nanocomposite as anode materials for lithium-ion batteries. Electrochemistry Communications, 2009, 11, 1849-1852.	4.7	520
29	Synthesis of nanosized vanadium pentoxide/carbon composites by spray pyrolysis for electrochemical capacitor application. Electrochimica Acta, 2009, 54, 1420-1425.	5.2	38
30	Synthesis of enhanced hydrophilic and hydrophobic graphene oxide nanosheets by a solvothermal method. Carbon, 2009, 47, 68-72.	10.3	446
31	Synthesis and characterisation of hydrophilic and organophilic graphene nanosheets. Carbon, 2009, 47, 1359-1364.	10.3	565
32	Highly efficient and large-scale synthesis of graphene by electrolytic exfoliation. Carbon, 2009, 47, 3242-3246.	10.3	322
33	Sn/graphene nanocomposite with 3D architecture for enhanced reversible lithium storage in lithium ion batteries. Journal of Materials Chemistry, 2009, 19, 8378.	6.7	523
34	Hydrothermal Synthesis and Optical, Magnetic, and Supercapacitance Properties of Nanoporous Cobalt Oxide Nanorods. Journal of Physical Chemistry C, 2009, 113, 4357-4361.	3.1	374
35	Facile Synthesis and Characterization of Graphene Nanosheets. Journal of Physical Chemistry C, 2008, 112, 8192-8195.	3.1	1,894