Wei Wang

List of Publications by Year
in descending order

31	1,967	331538 21	501076 28
papers	citations	h-index	g-index

31	31	31	3680
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrous Ruthenium Oxide Nanoparticles Anchored to Graphene and Carbon Nanotube Hybrid Foam for Supercapacitors. Scientific Reports, 2014, 4, 4452.	1.6	424
2	Three dimensional few layer graphene and carbon nanotube foam architectures for high fidelity supercapacitors. Nano Energy, 2013, 2, 294-303.	8.2	259
3	Stable Cycling of SiO2 Nanotubes as High-Performance Anodes for Lithium-Ion Batteries. Scientific Reports, 2014, 4, 4605.	1.6	179
4	Scalable Synthesis of Nano-Silicon from Beach Sand for Long Cycle Life Li-ion Batteries. Scientific Reports, 2014, 4, 5623.	1.6	179
5	Monodisperse Porous Silicon Spheres as Anode Materials for Lithium Ion Batteries. Scientific Reports, 2015, 5, 8781.	1.6	116
6	Hybrid carbon nanotube and graphene nanostructures for lithium ion battery anodes. Nano Energy, 2014, 3, 113-118.	8.2	103
7	Silicon Decorated Cone Shaped Carbon Nanotube Clusters for Lithium Ion Battery Anodes. Small, 2014, 10, 3389-3396.	5.2	65
8	Silicon and Carbon Nanocomposite Spheres with Enhanced Electrochemical Performance for Full Cell Lithium Ion Batteries. Scientific Reports, 2017, 7, 44838.	1.6	61
9	Photoinduced Electron Transfer Between Pyridine Coated Cadmium Selenide Quantum Dots and Single Sheet Graphene. Advanced Functional Materials, 2013, 23, 5199-5211.	7.8	57
10	Intertwined Nanocarbon and Manganese Oxide Hybrid Foam for Highâ€Energy Supercapacitors. Small, 2013, 9, 3714-3721.	5.2	52
11	Towards flexible binderless anodes: silicon/carbon fabrics via double-nozzle electrospinning. Chemical Communications, 2016, 52, 11398-11401.	2.2	52
12	Silicon Derived from Glass Bottles as Anode Materials for Lithium Ion Full Cell Batteries. Scientific Reports, 2017, 7, 917.	1.6	47
13	Assembled graphene oxide and single-walled carbon nanotube ink for stable supercapacitors. Journal of Materials Research, 2013, 28, 918-926.	1.2	37
14	Versatile Formation of CdSe Nanoparticle-Single Walled Carbon Nanotube Hybrid Structures. Journal of the American Chemical Society, 2009, 131, 3446-3447.	6.6	33
15	Supercapacitors Based on Pillared Graphene Nanostructures. Journal of Nanoscience and Nanotechnology, 2012, 12, 1770-1775.	0.9	31
16	Centimeterâ€Scale Highâ€Resolution Metrology of Entire CVDâ€Grown Graphene Sheets. Small, 2011, 7, 2599-2606.	5.2	25
17	Improved functionality of graphene and carbon nanotube hybrid foam architecture by UV-ozone treatment. Nanoscale, 2015, 7, 7045-7050.	2.8	25
18	High energy and power density Liâ€“O₂ battery cathodes based on amorphous RuO₂ loaded carbon free and binderless nickel nanofoam architectures. RSC Advances, 2016, 6, 81712-81718.	1.7	25

#	Article	IF	Citations
19	Hybrid Low Resistance Ultracapacitor Electrodes Based on 1-Pyrenebutyric Acid Functionalized Centimeter-Scale Graphene Sheets. Journal of Nanoscience and Nanotechnology, 2012, 12, 6913-6920.	0.9	24
20	Tuning Electron Transport in Grapheneâ€Based Fieldâ€Effect Devices using Block Coâ€polymers. Small, 2012, 8, 1073-1080.	5.2	23
21	Scalable, Binderless, and Carbonless Hierarchical Ni Nanodendrite Foam Decorated with Hydrous Ruthenium Dioxide for 1.6 V Symmetric Supercapacitors. Advanced Materials Interfaces, 2016, 3, 1500503.	1.9	22
22	Ultrafast high energy supercapacitors based on pillared graphene nanostructures. Journal of Materials Chemistry A, 2016, 4, 3356-3361.	5.2	22
23	Adjustable micro-structure, higher-level mechanical behavior and conductivities of preformed graphene architecture/epoxy composites via RTM route. Composites Part A: Applied Science and Manufacturing, 2017, 94, 178-188.	3.8	22
24	Synthesis of Atomically Thin <inline-formula><tex-math>${f MoS}_{f 2}$</tex-math></inline-formula> Triangles and Hexagrams and Their Electrical Transport Properties. IEEE Nanotechnology Magazine, 2014, 13, 749-754.	1.1	21
25	Silicon Oxide Contamination of Graphene Sheets Synthesized on Copper Substrates via Chemical Vapor Deposition. Advanced Science, Engineering and Medicine, 2014, 6, 1070-1075.	0.3	17
26	Chrysanthemum like carbon nanofiber foam architectures for supercapacitors. Journal of Materials Research, 2013, 28, 912-917.	1.2	16
27	Synchronous chemical vapor deposition of large-area hybrid grapheneâ€“carbon nanotube architectures. Journal of Materials Research, 2013, 28, 958-968.	1.2	15
28	Facile Synthesis of Nickel Nanofoam Architectures for Applications in Liâ€Ion Batteries. Energy Technology, 2017, 5, 422-427.	1.8	12
29	Electrochemical supercapacitor based on flexible pillar graphene nanostructures. , 2011, , .		3
30	Synthesis of Three Dimensional Carbon Nanostructure Foams for Supercapacitors. Materials Research Society Symposia Proceedings, 2012, 1451, 85-90.	0.1	0
31	Pillared graphene and silicon nanocomposite architecture for anodes of lithium ion batteries. Proceedings of SPIE, 2014, , .	0.8	0