

Wei Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

1,701
citations

20
h-index

31
g-index

31
ext. papers

1,824
ext. citations

7
avg, IF

4.36
L-index

#	Paper	IF	Citations
30	Silicon Derived from Glass Bottles as Anode Materials for Lithium Ion Full Cell Batteries. <i>Scientific Reports</i> , 2017 , 7, 917	4.9	41
29	Silicon and Carbon Nanocomposite Spheres with Enhanced Electrochemical Performance for Full Cell Lithium Ion Batteries. <i>Scientific Reports</i> , 2017 , 7, 44838	4.9	53
28	Adjustable micro-structure, higher-level mechanical behavior and conductivities of preformed graphene architecture/epoxy composites via RTM route. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 94, 178-188	8.4	16
27	Facile Synthesis of Nickel Nanofoam Architectures for Applications in Li-Ion Batteries. <i>Energy Technology</i> , 2017 , 5, 422-427	3.5	10
26	High energy and power density LiO ₂ battery cathodes based on amorphous RuO ₂ loaded carbon free and binderless nickel nanofoam architectures. <i>RSC Advances</i> , 2016 , 6, 81712-81718	3.7	18
25	Scalable, Binderless, and Carbonless Hierarchical Ni Nanodendrite Foam Decorated with Hydrous Ruthenium Dioxide for 1.6 V Symmetric Supercapacitors. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500503	4.6	20
24	Ultrafast high energy supercapacitors based on pillared graphene nanostructures. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3356-3361	13	19
23	Towards flexible binderless anodes: silicon/carbon fabrics via double-nozzle electrospinning. <i>Chemical Communications</i> , 2016 , 52, 11398-11401	5.8	42
22	Monodisperse porous silicon spheres as anode materials for lithium ion batteries. <i>Scientific Reports</i> , 2015 , 5, 8781	4.9	99
21	Improved functionality of graphene and carbon nanotube hybrid foam architecture by UV-ozone treatment. <i>Nanoscale</i> , 2015 , 7, 7045-50	7.7	24
20	Stable cycling of SiO ₂ nanotubes as high-performance anodes for lithium-ion batteries. <i>Scientific Reports</i> , 2014 , 4, 4605	4.9	139
19	Hydrous ruthenium oxide nanoparticles anchored to graphene and carbon nanotube hybrid foam for supercapacitors. <i>Scientific Reports</i> , 2014 , 4, 4452	4.9	356
18	Scalable synthesis of nano-silicon from beach sand for long cycle life Li-ion batteries. <i>Scientific Reports</i> , 2014 , 4, 5623	4.9	145
17	Silicon decorated cone shaped carbon nanotube clusters for lithium ion battery anodes. <i>Small</i> , 2014 , 10, 3389-96	11	59
16	Hybrid carbon nanotube and graphene nanostructures for lithium ion battery anodes. <i>Nano Energy</i> , 2014 , 3, 113-118	17.1	95
15	Synthesis of Atomically Thin MoS_2 Triangles and Hexagrams and Their Electrical Transport Properties. <i>IEEE Nanotechnology Magazine</i> , 2014 , 13, 749-754	2.6	20
14	Silicon Oxide Contamination of Graphene Sheets Synthesized on Copper Substrates via Chemical Vapor Deposition. <i>Advanced Science, Engineering and Medicine</i> , 2014 , 6, 1070-1075	0.6	16

13	Assembled graphene oxide and single-walled carbon nanotube ink for stable supercapacitors. <i>Journal of Materials Research</i> , 2013 , 28, 918-926	2.5	31
12	Chrysanthemum like carbon nanofiber foam architectures for supercapacitors. <i>Journal of Materials Research</i> , 2013 , 28, 912-917	2.5	13
11	Intertwined nanocarbon and manganese oxide hybrid foam for high-energy supercapacitors. <i>Small</i> , 2013 , 9, 3714-21	11	51
10	Synchronous chemical vapor deposition of large-area hybrid graphene-carbon nanotube architectures. <i>Journal of Materials Research</i> , 2013 , 28, 958-968	2.5	14
9	Three dimensional few layer graphene and carbon nanotube foam architectures for high fidelity supercapacitors. <i>Nano Energy</i> , 2013 , 2, 294-303	17.1	236
8	Photoinduced Electron Transfer Between Pyridine Coated Cadmium Selenide Quantum Dots and Single Sheet Graphene. <i>Advanced Functional Materials</i> , 2013 , 23, 5199-5211	15.6	54
7	Tuning electron transport in graphene-based field-effect devices using block co-polymers. <i>Small</i> , 2012 , 8, 1073-80	11	21
6	Synthesis of Three Dimensional Carbon Nanostructure Foams for Supercapacitors. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1451, 85-90		
5	Hybrid low resistance ultracapacitor electrodes based on 1-pyrenebutyric acid functionalized centimeter-scale graphene sheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6913-20	1.3	22
4	Supercapacitors based on pillared graphene nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1770-5	1.3	27
3	Electrochemical supercapacitor based on flexible pillar graphene nanostructures 2011 ,		2
2	Centimeter-scale high-resolution metrology of entire CVD-grown graphene sheets. <i>Small</i> , 2011 , 7, 2598-606	6.6	25
1	Versatile formation of CdSe nanoparticle-single walled carbon nanotube hybrid structures. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3446-7	16.4	33