

Liwen Ji

List of Publications by Citations

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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.

46
papers

8,617
citations

39
h-index

48
g-index

48
ext. papers

9,047
ext. citations

10.1
avg, IF

6.07
L-index

#	Paper	IF	Citations
46	Recent developments in nanostructured anode materials for rechargeable lithium-ion batteries. <i>Energy and Environmental Science</i> , 2011 , 4, 2682	35.4	1848
45	Graphene oxide as a sulfur immobilizer in high performance lithium/sulfur cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18522-5	16.4	1303
44	Porous carbon nanofiber-sulfur composite electrodes for lithium/sulfur cells. <i>Energy and Environmental Science</i> , 2011 , 4, 5053	35.4	527
43	Controlling SEI formation on SnSb-porous carbon nanofibers for improved Na ion storage. <i>Advanced Materials</i> , 2014 , 26, 2901-8	24	396
42	Electronic structure and chemical bonding of a graphene oxide-sulfur nanocomposite for use in superior performance lithium-sulfur cells. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13670-5	3.6	282
41	Manipulating surface reactions in lithium-sulphur batteries using hybrid anode structures. <i>Nature Communications</i> , 2014 , 5, 3015	17.4	267
40	Graphene-Based Nanocomposites for Energy Storage. <i>Advanced Energy Materials</i> , 2016 , 6, 1502159	21.8	233
39	Fe ₃ O ₄ nanoparticle-integrated graphene sheets for high-performance half and full lithium ion cells. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 7170-7	3.6	229
38	Multilayer nanoassembly of Sn-nanopillar arrays sandwiched between graphene layers for high-capacity lithium storage. <i>Energy and Environmental Science</i> , 2011 , 4, 3611	35.4	204
37	Porous carbon nanofibers from electrospun polyacrylonitrile/SiO ₂ composites as an energy storage material. <i>Carbon</i> , 2009 , 47, 3346-3354	10.4	204
36	Fabrication of porous carbon nanofibers and their application as anode materials for rechargeable lithium-ion batteries. <i>Nanotechnology</i> , 2009 , 20, 155705	3.4	192
35	Fe ₂ O ₃ nanoparticle-loaded carbon nanofibers as stable and high-capacity anodes for rechargeable lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2672-9	9.5	181
34	Electrospun carbon nanofibers containing silicon particles as an energy-storage medium. <i>Carbon</i> , 2009 , 47, 3219-3226	10.4	177
33	Electrospun Nanofiber-Based Anodes, Cathodes, and Separators for Advanced Lithium-Ion Batteries. <i>Polymer Reviews</i> , 2011 , 51, 239-264	14	146
32	Electrospun carbon-tin oxide composite nanofibers for use as lithium ion battery anodes. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2534-42	9.5	141
31	Fabrication of carbon nanofiber-driven electrodes from electrospun polyacrylonitrile/polypyrrole bicomponents for high-performance rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 2050-2056	8.9	140
30	Graphene/Si multilayer structure anodes for advanced half and full lithium-ion cells. <i>Nano Energy</i> , 2012 , 1, 164-171	17.1	134

29	Fabrication of porous carbon/Si composite nanofibers as high-capacity battery electrodes. <i>Electrochemistry Communications</i> , 2009 , 11, 1146-1149	5.1	123
28	Preparation and electrochemical characterization of ionic-conducting lithium lanthanum titanate oxide/polyacrylonitrile submicron composite fiber-based lithium-ion battery separators. <i>Journal of Power Sources</i> , 2011 , 196, 436-441	8.9	121
27	Evaluation of Si/carbon composite nanofiber-based insertion anodes for new-generation rechargeable lithium-ion batteries. <i>Energy and Environmental Science</i> , 2010 , 3, 124-129	35.4	120
26	Carbon nanotube-loaded electrospun LiFePO ₄ /carbon composite nanofibers as stable and binder-free cathodes for rechargeable lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1273-80	9.5	112
25	Porous carbon nanofibers loaded with manganese oxide particles: Formation mechanism and electrochemical performance as energy-storage materials. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5593		105
24	Manganese oxide nanoparticle-loaded porous carbon nanofibers as anode materials for high-performance lithium-ion batteries. <i>Electrochemistry Communications</i> , 2009 , 11, 795-798	5.1	102
23	Generation of activated carbon nanofibers from electrospun polyacrylonitrile-zinc chloride composites for use as anodes in lithium-ion batteries. <i>Electrochemistry Communications</i> , 2009 , 11, 684-687	5.1	101
22	Fabrication and electrochemical characteristics of electrospun LiFePO ₄ /carbon composite fibers for lithium-ion batteries. <i>Journal of Power Sources</i> , 2011 , 196, 7692-7699	8.9	101
21	Electrospun polyacrylonitrile fibers with dispersed Si nanoparticles and their electrochemical behaviors after carbonization. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4992		95
20	Electrodeposited MnO _x /carbon nanofiber composites for use as anode materials in rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 5025-5031	8.9	84
19	Reduced Graphene Oxide/Tin-Antimony Nanocomposites as Anode Materials for Advanced Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24895-901	9.5	80
18	Preparation and characterization of silica nanoparticulate-polyacrylonitrile composite and porous nanofibers. <i>Nanotechnology</i> , 2008 , 19, 085605	3.4	79
17	Structure control and performance improvement of carbon nanofibers containing a dispersion of silicon nanoparticles for energy storage. <i>Carbon</i> , 2013 , 51, 185-194	10.4	76
16	In-situ encapsulation of nickel particles in electrospun carbon nanofibers and the resultant electrochemical performance. <i>Chemistry - A European Journal</i> , 2009 , 15, 10718-22	4.8	75
15	Cr-doped Li ₂ MnSiO ₄ /carbon composite nanofibers as high-energy cathodes for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14661		74
14	Assembly of carbon-SnO ₂ core-sheath composite nanofibers for superior lithium storage. <i>Chemistry - A European Journal</i> , 2010 , 16, 11543-8	4.8	73
13	SnS ₂ nanoparticle loaded graphene nanocomposites for superior energy storage. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6981-6	3.6	67
12	Electrospun polyacrylonitrile/zinc chloride composite nanofibers and their response to hydrogen sulfide. <i>Polymer</i> , 2009 , 50, 605-612	3.9	62

11	Fabrication and Electrochemical Characteristics of LiFePO ₄ Powders for Lithium-Ion Batteries. <i>KONA Powder and Particle Journal</i> , 2010 , 28, 50-73	3.4	59
10	Sulfonated polystyrene fiber network-induced hybrid proton exchange membranes. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3732-7	9.5	55
9	Formation and electrochemical performance of copper/carbon composite nanofibers. <i>Electrochimica Acta</i> , 2010 , 55, 1605-1611	6.7	48
8	Electrospun carbon nanofibers decorated with various amounts of electrochemically-inert nickel nanoparticles for use as high-performance energy storage materials. <i>RSC Advances</i> , 2012 , 2, 192-198	3.7	47
7	Fabrication of carbon fibers with nanoporous morphologies from electrospun polyacrylonitrile/poly(L-lactide) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 493-503	2.6	35
6	LiFePO ₄ nanoparticles encapsulated in graphene-containing carbon nanofibers for use as energy storage materials. <i>Journal of Renewable and Sustainable Energy</i> , 2012 , 4, 013121	2.5	30
5	Formation and characterization of core-sheath nanofibers through electrospinning and surface-initiated polymerization. <i>Polymer</i> , 2010 , 51, 4368-4374	3.9	28
4	A facile approach to fabricate porous nylon 6 nanofibers using silica nanotemplate. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 425-433	2.9	19
3	Synthesis and Electrocatalysis of Carbon Nanofiber-Supported Platinum by 1-AP Functionalization and Polyol Processing Technique. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3791-3797	3.8	17
2	Electrospun carbon nanofiber-supported Pt-Pd alloy composites for oxygen reduction. <i>Journal of Materials Research</i> , 2010 , 25, 1329-1335	2.5	15
1	Electrocatalytic interaction of nano-engineered palladium on carbon nanofibers with hydrogen peroxide and NADH. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1287-1294	2.6	10