Lai-Fa Shen

List of Publications by Year in Descending Order

149 papers	16,655 citations	65 h-index	128 g-index
158 ext. papers	17,902 ext. citations	9.9 avg, IF	6.83 L-index

#	Paper	IF	Citations
149	Heterostructure NiS2/NiCo2S4 nanosheets array on carbon nanotubes sponge electrode with high specific capacitance for supercapacitors. *Journal of Power Sources*, **2022**, 518, 230763	8.9	5
148	High-performance 2.5 V supercapacitor with high energy density and long cycling stability based on graphene coated oxygen-vacancy birnessite. *Journal of Alloys and Compounds*, **2022**, 901, 163543	5.7	0
147	Lithium-sodium ion capacitors: A new type of hybrid supercapacitors with high energy density. *Journal of Electroanalytical Chemistry*, **2021**, 888, 115202	4.1	1
146	Fabrication of the Oxygen Vacancy Amorphous MnO2/Carbon Nanotube as Cathode for Advanced Aqueous Zinc-Ion Batteries. *Energy Technology*, **2021**, 9, 2000769	3.5	13
145	Self-Standing Flexible N-Doped Graphene/CNTs Supported Spiral Low-Crystalline Ni(OH)2 Electrode with Ultra-Long Cycling Stability for Supercapacitors. *Nano*, **2021**, 16, 2150013	1.1	
144	Conductive Metal Organic Framework for High Energy Sodium-Ion Hybrid Capacitors. *ACS Applied Energy Materials*, **2021**, 4, 1568-1574	6.1	8
143	Recent Advances in the Synthesis and Energy Applications of 2D MXenes. *ChemElectroChem*, **2021**, 8, 3804	4.3	4
142	Kinetic photovoltage along semiconductor-water interfaces. *Nature Communications*, **2021**, 12, 4998	17.4	2
141	Using a copper hyperaccumulator to synthesize anode and cathode materials for a high-energy 4.1 V full-carbon lithium-ion capacitor. *Journal of Electroanalytical Chemistry*, **2021**, 898, 115616	4.1	0
140	Nb3O7F mesocrystals: orientation formation and application in lithium ion capacitors. *CrystEngComm*, **2021**, 23, 6012-6022	3.3	1
139	Stabilizing Li Plating by a Fluorinated Hybrid Protective Layer. *ACS Applied Energy Materials*, **2021**, 4, 14407-14414	6.1	1
138	Bacterial cellulose-derived carbon nanofibers as both anode and cathode for hybrid sodium ion capacitor.. *RSC Advances*, **2020**, 10, 7780-7790	3.7	13
137	Cross-linked NiCo2O4 nanosheets with low crystallinity and rich oxygen vacancies for asymmetric supercapacitors. *Journal of Alloys and Compounds*, **2020**, 822, 153689	5.7	29
136	Self-supported TiN nanorod array/carbon textile as a lithium host that induces dendrite-free lithium plating with high rates and long cycle life. *Journal of Materials Chemistry A*, **2020**, 8, 3293-3299	13	3
135	Niobium Tungsten Oxide in a Green Water-in-Salt Electrolyte Enables Ultra-Stable Aqueous Lithium-Ion Capacitors. *Nano-Micro Letters*, **2020**, 12, 168	19.5	19
134	Pseudocapacitive T-Nb2O5/N-doped carbon nanosheets anode enable high performance lithium-ion capacitors. *Journal of Electroanalytical Chemistry*, **2019**, 842, 82-88	4.1	23
133	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium-Storage Performance. *Angewandte Chemie*, **2019**, 131, 7316-7321	3.6	8

132	Hierarchical Metal Sulfide/Carbon Spheres: A Generalized Synthesis and High Sodium-Storage Performance. *Angewandte Chemie - International Edition*, **2019**, 58, 7238-7243	16.4	57
131	Alloying Reaction Confinement Enables High-Capacity and Stable Anodes for Lithium-Ion Batteries. *ACS Nano*, **2019**, 13, 9511-9519	16.7	32
130	Top-down synthesis of interconnected two-dimensional carbon/antimony hybrids as advanced anodes for sodium storage. *Energy Storage Materials*, **2018**, 10, 122-129	19.4	36
129	Cross-Linking Hollow Carbon Sheet Encapsulated CuP Nanocomposites for High Energy Density Sodium-Ion Batteries. *ACS Nano*, **2018**, 12, 7018-7027	16.7	86
128	Ultrathin Ti Nb O Nanosheets with Pseudocapacitive Properties as Superior Anode for Sodium-Ion Batteries. *Advanced Materials*, **2018**, 30, e1804378	24	81
127	Core/shell Cu/FePtCu nanoparticles with face-centered tetragonal texture: An active and stable low-Pt catalyst for enhanced oxygen reduction. *Nano Energy*, **2018**, 54, 280-287	17.1	18
126	Black TiO2 Nanomaterials for Lithium-Ion Batteries **2017**, 249-273		1
125	Peapod-like Li VO /N-Doped Carbon Nanowires with Pseudocapacitive Properties as Advanced Materials for High-Energy Lithium-Ion Capacitors. *Advanced Materials*, **2017**, 29, 1700142	24	207
124	Challenges and Perspectives for NASICON-Type Electrode Materials for Advanced Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1700431	24	346
123	Carbon-Coated Li VO Spheres as Constituents of an Advanced Anode Material for High-Rate Long-Life Lithium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1701571	24	93
122	Dual-Functionalized Double Carbon Shells Coated Silicon Nanoparticles for High Performance Lithium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1605650	24	257
121	Application of Carbon Nanotubes in Lithium-Ion Batteries **2017**, 251-276		3
120	Flexible Sodium-Ion Pseudocapacitors Based on 3D Na2Ti3O7 Nanosheet Arrays/Carbon Textiles Anodes. *Advanced Functional Materials*, **2016**, 26, 3703-3710	15.6	224
119	Facile Synthesis of Nitrogen-Containing Mesoporous Carbon for High-Performance Energy Storage Applications. *Chemistry - A European Journal*, **2016**, 22, 4256-62	4.8	16
118	Zinc cobalt sulfide nanosheets grown on nitrogen-doped graphene/carbon nanotube film as a high-performance electrode for supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 11256-11263	13	103
117	Hollow NiCo2S4 nanotube arrays grown on carbon textile as a self-supported electrode for asymmetric supercapacitors. *RSC Advances*, **2016**, 6, 9950-9957	3.7	42
116	A modified molten-salt method to prepare graphene electrode with high capacitance and low self-discharge rate. *Carbon*, **2016**, 102, 255-261	10.4	66
115	Synthesis and electrochemical performances of mixed-valence vanadium oxide/ordered mesoporous carbon composites for supercapacitors. *RSC Advances*, **2016**, 6, 25056-25061	3.7	13

114	Nb2O5 nanoparticles encapsulated in ordered mesoporous carbon matrix as advanced anode materials for Li ion capacitors. *RSC Advances*, **2016**, 6, 71338-71344	3.7	30
113	Self-Sacrificial Template-Directed Synthesis of Metal□Organic Framework-Derived Porous Carbon for Energy-Storage Devices. *ChemElectroChem*, **2016**, 3, 668-674	4.3	42
112	Li3V2(PO4)3/nitrogen-doped reduced graphene oxide nanocomposite with enhanced lithium storage properties. *Journal of Solid State Electrochemistry*, **2016**, 20, 1983-1990	2.6	4
111	Enhanced electrochemical properties of MgF2 and C co-coated Li3V2(PO4)3 composite for Li-ion batteries. *Journal of Electroanalytical Chemistry*, **2016**, 762, 1-6	4.1	11
110	Heteroatom-Doped Porous Carbon Nanosheets: General Preparation and Enhanced Capacitive Properties. *Chemistry - A European Journal*, **2016**, 22, 16668-16674	4.8	14
109	Self-Assembled Nb2O5 Nanosheets for High Energy□High Power Sodium Ion Capacitors. *Chemistry of Materials*, **2016**, 28, 5753-5760	9.6	201
108	Three-dimensional graphene nanosheets/carbon nanotube paper as flexible electrodes for electrochemical capacitors. *RSC Advances*, **2015**, 5, 22173-22177	3.7	7
107	Three-dimensionally ordered porous TiNb2O7 nanotubes: a superior anode material for next generation hybrid supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 16785-16790	13	83
106	Flexible metal□organic frameworks as superior cathodes for rechargeable sodium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 16590-16597	13	79
105	Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. *Nature Communications*, **2015**, 6, 6694	17.4	941
104	Ultralong SrLi2Ti6O14 nanowires composed of single-crystalline nanoparticles: Promising candidates for high-power lithium ions batteries. *Nano Energy*, **2015**, 13, 18-27	17.1	73
103	Stabilized titanium nitride nanowire supported silicon core□shell nanorods as high capacity lithium-ion anodes. *Journal of Materials Chemistry A*, **2015**, 3, 12476-12481	13	16
102	Si nanoparticles encapsulated in elastic hollow carbon fibres for Li-ion battery anodes with high structural stability. *Nanoscale*, **2015**, 7, 7409-14	7.7	46
101	Lamellar-structured biomass-derived phosphorus- and nitrogen-co-doped porous carbon for high-performance supercapacitors. *New Journal of Chemistry*, **2015**, 39, 9497-9503	3.6	58
100	Crumpled Nitrogen-Doped Graphene for Supercapacitors with High Gravimetric and Volumetric Performances. *ACS Applied Materials & Interfaces*, **2015**, 7, 22284-91	9.5	67
99	Trivalent Ti self-doped Li 4 Ti 5 O 12 : A high performance anode material for lithium-ion capacitors. *Journal of Electroanalytical Chemistry*, **2015**, 757, 1-7	4.1	52
98	Porous NiCo2O4 nanotubes as a noble-metal-free effective bifunctional catalyst for rechargeable Li□O2 batteries. *Journal of Materials Chemistry A*, **2015**, 3, 24309-24314	13	50
97	Confined germanium nanoparticles in an N-doped carbon matrix for high-rate and ultralong-life lithium ion batteries. *RSC Advances*, **2015**, 5, 85256-85263	3.7	14

96	Preparation of ZnCo2O4 nanoflowers on a 3D carbon nanotube/nitrogen-doped graphene film and its electrochemical capacitance. *Journal of Materials Chemistry A*, **2015**, 3, 21891-21898	13	82
95	Pseudocapacitive behaviours of Na2Ti3O7@CNT coaxial nanocables for high-performance sodium-ion capacitors. *Journal of Materials Chemistry A*, **2015**, 3, 21277-21283	13	150
94	Synthesis of LiNi0.5Mn1.5O4 Hollow Microspheres and Their Lithium-Storage Properties. *ChemElectroChem*, **2015**, 2, 127-133	4.3	20
93	Self-templated formation of uniform NiCo2O4 hollow spheres with complex interior structures for lithium-ion batteries and supercapacitors. *Angewandte Chemie - International Edition*, **2015**, 54, 1868-72	16.4	618
92	Self-Templated Formation of Uniform NiCo2O4 Hollow Spheres with Complex Interior Structures for Lithium-Ion Batteries and Supercapacitors. *Angewandte Chemie*, **2015**, 127, 1888-1892	3.6	61
91	TiNb2O7 nanoparticles assembled into hierarchical microspheres as high-rate capability and long-cycle-life anode materials for lithium ion batteries. *Nanoscale*, **2015**, 7, 619-24	7.7	112
90	NiCo2S4 Nanosheets Grown on Nitrogen-Doped Carbon Foams as an Advanced Electrode for Supercapacitors. *Advanced Energy Materials*, **2015**, 5, 1400977	21.8	633
89	Ge–graphene–carbon nanotube composite anode for high performance lithium-ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 1498-1503	13	88
88	Titanium Dioxide/Germanium Core–Shell Nanorod Arrays Grown on Carbon Textiles as Flexible Electrodes for High Density Lithium-Ion Batteries. *Particle and Particle Systems Characterization*, **2015**, 32, 364-372	3.1	31
87	General Strategy to Fabricate Ternary Metal Nitride/Carbon Nanofibers for Supercapacitors. *ChemElectroChem*, **2015**, 2, 2020-2026	4.3	16
86	One-Dimensional Vanadium Nitride Nanofibers Fabricated by Electrospinning for Supercapacitors. *Electrochimica Acta*, **2015**, 173, 680-686	6.7	55
85	N-doped carbon foam based three-dimensional electrode architectures and asymmetric supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 2853-2860	13	66
84	High rate capability and superior cycle stability of a flower-like Sb2S3 anode for high-capacity sodium ion batteries. *Nanoscale*, **2015**, 7, 3309-15	7.7	137
83	PEDOT coated Li4Ti5O12 nanorods: Soft chemistry approach synthesis and their lithium storage properties. *Electrochimica Acta*, **2014**, 129, 283-289	6.7	54
82	Metal Oxides: Mesoporous NiCo2O4 Nanowire Arrays Grown on Carbon Textiles as Binder-Free Flexible Electrodes for Energy Storage (Adv. Funct. Mater. 18/2014). *Advanced Functional Materials*, **2014**, 24, 2736-2736	15.6	8
81	Mesoporous NiCo2O4 Nanowire Arrays Grown on Carbon Textiles as Binder-Free Flexible Electrodes for Energy Storage. *Advanced Functional Materials*, **2014**, 24, 2630-2637	15.6	663
80	Rhombohedral NASICON-structured Li2NaV2(PO4)3 with single voltage plateau for superior lithium storage. *RSC Advances*, **2014**, 4, 8627	3.7	23
79	Mesoporous NaTi2(PO4)3/CMK-3 nanohybrid as anode for long-life Na-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 20659-20666	13	76

78	Fabrication of porous carbon spheres for high-performance electrochemical capacitors. *RSC Advances*, **2014**, 4, 7538	3.7	65
77	High performance lithium□sulfur batteries: advances and challenges. *Journal of Materials Chemistry A*, **2014**, 2, 12662-12676	13	235
76	From biomolecule to Na3V2(PO4)3/nitrogen-decorated carbon hybrids: highly reversible cathodes for sodium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 18606-18612	13	63
75	Hierarchically porous carbon encapsulating sulfur as a superior cathode material for high performance lithium-sulfur batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 194-9	9.5	140
74	Rational design of void-involved Si@TiO2 nanospheres as high-performance anode material for lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 6497-503	9.5	100
73	Prussian blue analogues: a new class of anode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 5852-5857	13	197
72	Synthesis of hydrogenated TiO2□educed-graphene oxide nanocomposites and their application in high rate lithium ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 9150-9155	13	35
71	Design of a Nitrogen-Doped, Carbon-Coated Li Ti O Nanocomposite with a Core-Shell Structure and Its Application for High-Rate Lithium-Ion Batteries. *ChemPlusChem*, **2014**, 79, 128-133	2.8	29
70	A facile one-pot synthesis of TiO2/nitrogen-doped reduced graphene oxide nanocomposite as anode materials for high-rate lithium-ion batteries. *Electrochimica Acta*, **2014**, 133, 209-216	6.7	53
69	Mesoporous Li4Ti5O12/carbon nanofibers for high-rate lithium-ion batteries. *Journal of Alloys and Compounds*, **2014**, 587, 171-176	5.7	34
68	Enhanced Performance of Aqueous Sodium-Ion Batteries Using Electrodes Based on the NaTi2(PO4)3/MWNTs□Na0.44MnO2 System. *Energy Technology*, **2014**, 2, 705-712	3.5	47
67	General Formation of MS (M = Ni, Cu, Mn) Box-in-Box Hollow Structures with Enhanced Pseudocapacitive Properties. *Advanced Functional Materials*, **2014**, 24, 7440-7446	15.6	260
66	Enhanced Lithium-Storage Performance from Three-Dimensional MoS2 Nanosheets/Carbon Nanotube Paper. *ChemElectroChem*, **2014**, 1, 1118-1125	4.3	40
65	High performance three-dimensional Ge/cyclized-polyacrylonitrile thin film anodes prepared by RF magnetron sputtering for lithium ion batteries. *Journal of Materials Science*, **2014**, 49, 2279-2285	4.3	18
64	Porous nitrogen-doped carbon nanotubes derived from tubular polypyrrole for energy-storage applications. *Chemistry - A European Journal*, **2013**, 19, 12306-12	4.8	149
63	Synthesis of nanostructured materials by using metal-cyanide coordination polymers and their lithium storage properties. *Nanoscale*, **2013**, 5, 11087-93	7.7	23
62	Advanced Energy-Storage Architectures Composed of Spinel Lithium Metal Oxide Nanocrystal on Carbon Textiles. *Advanced Energy Materials*, **2013**, 3, 1484-1489	21.8	101
61	Fabrication of a sandwich structured electrode for high-performance lithium□sulfur batteries. *Journal of Materials Chemistry A*, **2013**, 1, 14280	13	37

60	Encapsulating sulfur into hierarchically ordered porous carbon as a high-performance cathode for lithium-sulfur batteries. *Chemistry - A European Journal*, **2013**, 19, 1013-9	4.8	201
59	Carbon coated Li4Ti5O12 nanorods as superior anode material for high rate lithium ion batteries. *Journal of Alloys and Compounds*, **2013**, 572, 37-42	5.7	71
58	Sulfur embedded in metal organic framework-derived hierarchically porous carbon nanoplates for high performance lithium–sulfur battery. *Journal of Materials Chemistry A*, **2013**, 1, 4490	13	245
57	Homogenous incorporation of SnO2 nanoparticles in carbon cryogels via the thermal decomposition of stannous sulfate and their enhanced lithium-ion intercalation properties. *Nano Energy*, **2013**, 2, 769-778	17.1	49
56	Chemically tailoring the nanostructure of graphene nanosheets to confine sulfur for high-performance lithium-sulfur batteries. *Journal of Materials Chemistry A*, **2013**, 1, 1096-1101	13	170
55	Facile synthesis of N-doped carbon-coated Li4Ti5O12 microspheres using polydopamine as a carbon source for high rate lithium ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 7270	13	158
54	Encapsulating sulfur into mesoporous TiO2 host as a high performance cathode for lithium–sulfur battery. *Electrochimica Acta*, **2013**, 107, 78-84	6.7	112
53	ZnO/TiO2 nanocable structured photoelectrodes for CdS/CdSe quantum dot co-sensitized solar cells. *Nanoscale*, **2013**, 5, 936-43	7.7	115
52	Nitrogen-doped carbon coated Li4Ti5O12 nanocomposite: Superior anode materials for rechargeable lithium ion batteries. *Journal of Power Sources*, **2013**, 221, 122-127	8.9	88
51	HIERARCHICAL Li4Ti5O12 MICROSPHERES AS A HIGH POWER ANODE MATERIAL FOR LITHIUM ION BATTERIES. *Journal of Molecular and Engineering Materials*, **2013**, 01, 1340013	1.3	
50	Facile hydrothermal synthesis of single crystalline TiOF2 nanocubes and their phase transitions to TiO2 hollow nanocages as anode materials for lithium-ion battery. *Electrochimica Acta*, **2012**, 62, 408-415	6.7	52
49	Preparation and electrochemical capacitance of hierarchical graphene/polypyrrole/carbon nanotube ternary composites. *Electrochimica Acta*, **2012**, 69, 160-166	6.7	83
48	Functionalized ionic liquid-assisted mechanochemical synthesis of graphene nanosheet/polypyrrole nanocomposites. *Materials Letters*, **2012**, 71, 57-59	3.3	10
47	Polypyrrole/carbon nanotube nanocomposite enhanced the electrochemical capacitance of flexible graphene film for supercapacitors. *Journal of Power Sources*, **2012**, 197, 319-324	8.9	169
46	Enhanced high-current capacitive behavior of graphene/CoAl-layered double hydroxide composites as electrode material for supercapacitors. *Journal of Power Sources*, **2012**, 199, 395-401	8.9	175
45	Ultrathin Mesoporous NiCo2O4 Nanosheets Supported on Ni Foam as Advanced Electrodes for Supercapacitors. *Advanced Functional Materials*, **2012**, 22, 4592-4597	15.6	1385
44	Facile Water/Ionic Liquid/Organic Triphase Interfacial Synthesis of Coral-Like Polyaniline toward High-Performance Electrochemical Capacitors. *Journal of the Electrochemical Society*, **2012**, 159, A1323-A1328	3.9	12
43	Flower-like LiMnPO4 hierarchical microstructures assembled from single-crystalline nanosheets for lithium-ion batteries. *CrystEngComm*, **2012**, 14, 4284	3.3	55

42	Facile growth of hexagonal NiO nanoplatelet arrays assembled by mesoporous nanosheets on Ni foam towards high-performance electrochemical capacitors. *Electrochimica Acta*, **2012**, 78, 532-538	6.7	51
41	Facile template-free synthesis of ultralayered mesoporous nickel cobaltite nanowires towards high-performance electrochemical capacitors. *Journal of Materials Chemistry*, **2012**, 22, 16084		213
40	General strategy for designing core-shell nanostructured materials for high-power lithium ion batteries. *Nano Letters*, **2012**, 12, 5673-8	11.5	183
39	Hydrogenated Li(4)Ti(5)O(12) nanowire arrays for high rate lithium ion batteries. *Advanced Materials*, **2012**, 24, 6502-6	24	411
38	Growth of ultrathin mesoporous Co3O4 nanosheet arrays on Ni foam for high-performance electrochemical capacitors. *Energy and Environmental Science*, **2012**, 5, 7883	35.4	725
37	Flexible Hybrid Paper Made of Monolayer Co3O4 Microsphere Arrays on rGO/CNTs and Their Application in Electrochemical Capacitors. *Advanced Functional Materials*, **2012**, 22, 2560-2566	15.6	336
36	Li4Ti5O12 Nanoparticles Embedded in a Mesoporous Carbon Matrix as a Superior Anode Material for High Rate Lithium Ion Batteries. *Advanced Energy Materials*, **2012**, 2, 691-698	21.8	297
35	Mesoporous Carbon: Li4Ti5O12 Nanoparticles Embedded in a Mesoporous Carbon Matrix as a Superior Anode Material for High Rate Lithium Ion Batteries (Adv. Energy Mater. 6/2012). *Advanced Energy Materials*, **2012**, 2, 699-699	21.8	5
34	Three-dimensional coherent titania-mesoporous carbon nanocomposite and its lithium-ion storage properties. *ACS Applied Materials & Interfaces*, **2012**, 4, 2985-92	9.5	76
33	Synthesis and supercapacitance of flower-like Co(OH)2 hierarchical superstructures self-assembled by mesoporous nanobelts. *Journal of Solid State Electrochemistry*, **2012**, 16, 1519-1525	2.6	19
32	Glycine-assisted hydrothermal synthesis of nanostructured Co x Ni1 Al layered triple hydroxides as electrode materials for high-performance supercapacitors. *Journal of Solid State Electrochemistry* , **2012**, 16, 1933-1940	2.6	29
31	Electrospun Hierarchical Li4Ti4.95Nb0.05O12/Carbon Composite Nanofibers for High Rate Lithium Ion Batteries. *Journal of the Electrochemical Society*, **2012**, 159, A426-A430	3.9	33
30	Synthesis and Electrochemical Performance of Graphene Modified LiFePO4 Cathode Materials. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2012**, 28, 105-110	3.8	3
29	Preparation and Electrochemical Lithium Storage of Titanium Dioxide@Multi-walled Carbon Nanotubes(TiO2@MWNTs) Nanocomposites. *Acta Chimica Sinica*, **2012**, 70, 15	3.3	2
28	Novel template-free solvothermal synthesis of mesoporous Li4Ti5O12-C microspheres for high power lithium ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 14414		75
27	Hierarchically structured carbon-based composites: Design, synthesis and their application in electrochemical capacitors. *Nanoscale*, **2011**, 3, 529-45	7.7	260
26	In situ growth of Li4Ti5O12 on multi-walled carbon nanotubes: novel coaxial nanocables for high rate lithium ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 761-767		170
25	Design and Tailoring of a Three-Dimensional TiO2Graphene Carbon Nanotube Nanocomposite for Fast Lithium Storage. *Journal of Physical Chemistry Letters*, **2011**, 2, 3096-3101	6.4	193

24	Large-scale Co3O4 nanoparticles growing on nickel sheets via a one-step strategy and their ultra-highly reversible redox reaction toward supercapacitors. *Journal of Materials Chemistry*, **2011**, 21, 18183		80
23	Interface-hydrothermal synthesis of Sn3S4/graphene sheet composites and their application in electrochemical capacitors. *Materials Letters*, **2011**, 65, 374-377	3.3	17
22	Ion-exchange synthesis of Co-functionalized titanate nanotubes and their application in electrochemical capacitors. *Materials Letters*, **2011**, 65, 2632-2634	3.3	5
21	Electrochemically induced transformation of NiS nanoparticles into Ni(OH)2 in KOH aqueous solution toward electrochemical capacitors. *Electrochimica Acta*, **2011**, 56, 7454-7459	6.7	93
20	Fabrication and electrochemical capacitance of hierarchical graphene/polyaniline/carbon nanotube ternary composite film. *Electrochimica Acta*, **2011**, 56, 9224-9232	6.7	150
19	In situ synthesis of high-loading Li4Ti5O12-graphene hybrid nanostructures for high rate lithium ion batteries. *Nanoscale*, **2011**, 3, 572-4	7.7	177
18	Biomolecule-assisted hydrothermal approach towards synthesis of ultra-thin nanoporous □Co(OH)2 mesocrystal nanosheets for electrochemical capacitors. *CrystEngComm*, **2011**, 13, 6130	3.3	25
17	Facile interfacial synthesis of flower-like hierarchical a-MnO2 sub-microspherical superstructures constructed by two-dimension mesoporous nanosheets and their application in electrochemical capacitors. *Journal of Materials Chemistry*, **2011**, 21, 16035		90
16	Urchin-like Co3O4 microspherical hierarchical superstructures constructed by one-dimension nanowires toward electrochemical capacitors. *RSC Advances*, **2011**, 1, 1521	3.7	72
15	Water/ionic liquid/organic three-phase interfacial synthesis of coral-like polypyrrole toward enhanced electrochemical capacitance. *Electrochimica Acta*, **2011**, 56, 6049-6054	6.7	11
14	Synthesis of flexible and porous cobalt hydroxide/conductive cotton textile sheet and its application in electrochemical capacitors. *Electrochimica Acta*, **2011**, 56, 6683-6687	6.7	33
13	A flexible graphene/multiwalled carbon nanotube film as a high performance electrode material for supercapacitors. *Electrochimica Acta*, **2011**, 56, 5115-5121	6.7	230
12	Synthesis of Ru(0.58)In(0.42)O(y)?nH(2)O nanoparticles dispersed onto poly(sodium-4-styrene sulfonate)-functionalized multi-walled carbon nanotubes and their application for electrochemical capacitors. *Journal of Colloid and Interface Science*, **2011**, 354, 804-9	9.3	6
11	Lysine-assisted hydrothermal synthesis of urchin-like ordered arrays of mesoporous Co(OH)2 nanowires and their application in electrochemical capacitors. *Journal of Materials Chemistry*, **2010**, 20, 10809		105
10	Reactive Template Fabrication of Uniform Core□Shell Polyaniline/Multiwalled Carbon Nanotube Nanocomposite and Its Electrochemical Capacitance. *Chemistry Letters*, **2010**, 39, 850-851	1.7	8
9	Facile synthesis of hierarchically porous Li4Ti5O12 microspheres for high rate lithium ion batteries. *Journal of Materials Chemistry*, **2010**, 20, 6998		249
8	Interface-hydrothermal synthesis and electrochemical properties of CoS(x) nanodots/poly(sodium-4-styrene sulfonate) functionalized multi-walled carbon nanotubes nanocomposite. *Journal of Colloid and Interface Science*, **2010**, 349, 181-5	9.3	25
7	A novel method to synthesize whisker-like Co(OH)2 and its electrochemical properties as an electrochemical capacitor electrode. *Electrochimica Acta*, **2010**, 56, 115-121	6.7	52

6	Comparative study of electrochemical capacitance of multi-walled carbon nanotubes before and after chopping. *Applied Surface Science*, **2010**, 257, 440-445	6.7	13
5	Template-free synthesis of ordered mesoporous NiO/poly(sodium-4-styrene sulfonate) functionalized carbon nanotubes composite for electrochemical capacitors. *Nano Research*, **2009**, 2, 722-732	10	54
4	Facile synthesis and self-assembly of hierarchical porous NiO nano/micro spherical superstructures for high performance supercapacitors. *Journal of Materials Chemistry*, **2009**, 19, 5772		770
3	The origin of capacity fluctuation and rescue of dead Mn-based Zn-ion batteries: a Mn-based competitive capacity evolution protocol. *Energy and Environmental Science*,	35.4	15
2	A Fast Proton-Induced Pseudocapacitive Supercapacitor with High Energy and Power Density. *Advanced Functional Materials*,2107720	15.6	11
1	Vanadium nitride nanoparticles embedded in carbon matrix with pseudocapacitive behavior for high performance lithium-ion capacitors. *Rare Metals*,1	5.5	1