

# Xiao-Gang Zhang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

424  
papers

31,247  
citations

91  
h-index

158  
g-index

438  
ext. papers

34,527  
ext. citations

8.1  
avg, IF

7.55  
L-index

#	Paper	IF	Citations
4 <sup>24</sup>	Revealing the multiple cathodic and anodic involved charge storage mechanism in an FeSe <sub>2</sub> cathode for aluminium-ion batteries by in situ magnetometry. <i>Energy and Environmental Science</i> , <b>2022</b> , 15, 311-319	35.4	13
4 <sup>23</sup>	Heterostructure NiS <sub>2</sub> /NiCo <sub>2</sub> S <sub>4</sub> nanosheets array on carbon nanotubes sponge electrode with high specific capacitance for supercapacitors. <i>Journal of Power Sources</i> , <b>2022</b> , 518, 230763	8.9	5
4 <sup>22</sup>	Hierarchical porous carbon derived from elm bark mucus for efficient energy storage and conversion. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 277, 125450	4.4	0
4 <sup>21</sup>	Zinc ion thermal charging cell for low-grade heat conversion and energy storage.. <i>Nature Communications</i> , <b>2022</b> , 13, 132	17.4	4
4 <sup>20</sup>	High-performance 2.5V supercapacitor with high energy density and long cycling stability based on graphene coated oxygen-vacancy birnessite. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 901, 163543	5.7	0
4 <sup>19</sup>	MnO <sub>2</sub> /carbon nanotube free-standing electrode recycled from spent manganese-oxygen battery as high-performance supercapacitor material. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 8818-8827	4.3	0
4 <sup>18</sup>	Phenyl-Modified Carbon Nitride Quantum Nanoflakes for Ultra-Highly Selective Sensing of Formic Acid: A Combined Experimental by QCM and Density Functional Theory Study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 48595-48610	9.5	2
4 <sup>17</sup>	Facile Cross-Linked Robust Three-Dimensional Binder for High-Performance SiO Anodes in Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 49313-49321	9.5	3
4 <sup>16</sup>	Charge Storage Mechanism of an Anthraquinone-Derived Porous Covalent Organic Framework with Multiredox Sites as Anode Material for Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 11377-11385 <sup>4</sup>	6.1	11
4 <sup>15</sup>	Effects of binder content on low-cost solvent-free electrodes made by dry-spraying manufacturing for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2021</b> , 515, 230644	8.9	2
4 <sup>14</sup>	Composite Electrolytes Based on Poly(Ethylene Oxide) and Lithium Borohydrides for All-Solid-State Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 5396-5404	8.3	13
4 <sup>13</sup>	Tailored Hierarchical Porous Carbon through Template Modification for Antifreezing Quasi-Solid-State Zinc Ion Hybrid Supercapacitors. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2000112	1.6	1
4 <sup>12</sup>	Lithium-sodium ion capacitors: A new type of hybrid supercapacitors with high energy density. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 888, 115202	4.1	1
4 <sup>11</sup>	3D Printed Lithium-Metal Full Batteries Based on a High-Performance Three-Dimensional Anode Current Collector. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 24785-24794	9.5	13
4 <sup>10</sup>	Stabilization of a 4.7 V High-Voltage Nickel-Rich Layered Oxide Cathode for Lithium-Ion Batteries through Boron-Based Surface Residual Lithium-Tuned Interface Modification Engineering. <i>ChemElectroChem</i> , <b>2021</b> , 8, 2014-2021	4.3	2
4 <sup>09</sup>	Organosilicon-Based Functional Electrolytes for High-Performance Lithium Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101057	21.8	7
4 <sup>08</sup>	A Thermally Chargeable Hybrid Supercapacitor with High Power Density for Directly Converting Heat to Electricity. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 6055-6061	6.1	4

407	Pencil Drawing Stable Interface for Reversible and Durable Aqueous Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006495	15.6	55
406	Insight into the reversible conversion-(de)incorporation of redox-active dopants within a polymer-based electrode. <i>Chemical Communications</i> , <b>2021</b> , 57, 6780-6783	5.8	0
405	Self-Standing Flexible N-Doped Graphene/CNTs Supported Spiral Low-Crystalline Ni(OH) <sub>2</sub> Electrode with Ultra-Long Cycling Stability for Supercapacitors. <i>Nano</i> , <b>2021</b> , 16, 2150013	1.1	
404	Conductive Metal-Organic Framework for High Energy Sodium-Ion Hybrid Capacitors. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1568-1574	6.1	8
403	Operando Magnetometry Probing the Charge Storage Mechanism of CoO Lithium-Ion Batteries. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006629	24	39
402	Deep Eutectic Solvent-Induced Polyacrylonitrile-Derived Hierarchical Porous Carbon for Zinc-Ion Hybrid Supercapacitors. <i>Batteries and Supercaps</i> , <b>2021</b> , 4, 680-686	5.6	3
401	Rational design of ZIF-8 assimilated hierarchical porous carbon nanofibers as binder-free electrodes for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 895, 115471	4.1	5
400	Regulation of SEI Formation by Anion Receptors to Achieve Ultra-Stable Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19232-19240	16.4	26
399	Regulation of SEI Formation by Anion Receptors to Achieve Ultra-Stable Lithium-Metal Batteries. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 19381-19389	3.6	3
398	Electrospinning oxygen-vacant TiNb <sub>24</sub> O <sub>62</sub> nanowires simultaneously boosts electrons and ions transmission capacities toward superior lithium storage. <i>Electrochimica Acta</i> , <b>2021</b> , 388, 138656	6.7	3
397	Self-standing manganese dioxide/graphene carbon nanotubes film electrode for symmetric supercapacitor with high energy density and superior long cycling stability. <i>Ceramics International</i> , <b>2021</b> , 47, 33020-33020	5.1	5
396	Serosa-Mimetic Nanoarchitecture Membranes for Highly Efficient Osmotic Energy Generation. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 16206-16216	16.4	14
395	Using a copper hyperaccumulator to synthesize anode and cathode materials for a high-energy 4.1V full-carbon lithium-ion capacitor. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 898, 115616	4.1	0
394	Nb <sub>3</sub> O <sub>7</sub> F mesocrystals: orientation formation and application in lithium ion capacitors. <i>CrystEngComm</i> , <b>2021</b> , 23, 6012-6022	3.3	1
393	Polydopamine grafted cross-linked polyacrylamide as robust binder for SiO <sub>2</sub> /C anode toward high-stability lithium-ion battery. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 6337-6348	4.3	2
392	Stabilizing Li Plating by a Fluorinated Hybrid Protective Layer. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 14407-14414	6.1	1
391	In Situ Tuning Residual Lithium Compounds and Constructing TiO <sub>2</sub> Coating for Surface Modification of a Nickel-Rich Cathode toward High-Energy Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 12423-12432	6.1	5
390	Atomic Layer Deposition of Single Atomic Cobalt as a Catalytic Interlayer for Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 11206-11212	6.1	7

389	Influence of electrolyte ions on rechargeable supercapacitor for high value-added conversion of low-grade waste heat. <i>Journal of Power Sources</i> , <b>2020</b> , 465, 228263	8.9	9
388	Lithium-ion capacitor based on nanoarchitected polydopamine/graphene composite anode and porous graphene cathode. <i>Carbon</i> , <b>2020</b> , 167, 627-633	10.4	14
387	Aerosol-assisted preparation of N-doped hierarchical porous carbon spheres cathodes toward high-stable lithium-ion capacitors. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 13127-13140	4.3	2
386	Tubular Graphene Nano-Scroll Coated Silicon for High Rate Performance Lithium-Ion Battery. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	3
385	Progress on zinc ion hybrid supercapacitors: Insights and challenges. <i>Energy Storage Materials</i> , <b>2020</b> , 31, 252-266	19.4	62
384	Sodium-ion capacitors: Materials, Mechanism, and Challenges. <i>ChemSusChem</i> , <b>2020</b> , 13, 2522-2539	8.3	58
383	Bacterial cellulose-derived carbon nanofibers as both anode and cathode for hybrid sodium ion capacitor.. <i>RSC Advances</i> , <b>2020</b> , 10, 7780-7790	3.7	13
382	Hierarchical N-doped hollow carbon microspheres as advanced materials for high-performance lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3956-3966	13	27
381	3D Printed High-Loading Lithium-Sulfur Battery Toward Wearable Energy Storage. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909469	15.6	47
380	Flexible and anti-freezing quasi-solid-state zinc ion hybrid supercapacitors based on pencil shavings derived porous carbon. <i>Energy Storage Materials</i> , <b>2020</b> , 28, 307-314	19.4	122
379	Defect-rich and N-doped hard carbon as a sustainable anode for high-energy lithium-ion capacitors. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 567, 75-83	9.3	33
378	Efficient Synthesis of N-Doped SiO <sub>x</sub> /C Composite Based on the Defect-Enriched Graphite Flake for Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 4394-4402	6.1	18
377	Biomass-derived porous carbon electrodes for high-performance supercapacitors. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 5166-5176	4.3	30
376	Cross-linked NiCo <sub>2</sub> O <sub>4</sub> nanosheets with low crystallinity and rich oxygen vacancies for asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 822, 153689	5.7	29
375	Self-supported TiN nanorod array/carbon textile as a lithium host that induces dendrite-free lithium plating with high rates and long cycle life. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 3293-3299	13	3
374	Nanosheets assembled layered MoS <sub>2</sub> /MXene as high performance anode materials for potassium ion batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 449, 227481	8.9	76
373	A novel porous organic polymer-derived hierarchical carbon for supercapacitors with ultrahigh energy density and durability. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 876, 114723	4.1	8
372	Nanohollow Carbon for Rechargeable Batteries: Ongoing Progresses and Challenges. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 183	19.5	26

371	Encapsulating Oxygen-Deficient TiNb <sub>2</sub> O <sub>6</sub> Microspheres by N-Doped Carbon Nanolayer Boosts Capacity and Stability of Lithium-Ion Battery. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 1360-1369	5.6	4
370	Solid-state lithium-sulfur batteries: Advances, challenges and perspectives. <i>Materials Today</i> , <b>2020</b> , 40, 114-131	21.8	33
369	Rational Design of a Piezoelectric BaTiO <sub>3</sub> Nanodot Surface-Modified LiNi <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> O <sub>2</sub> Cathode Material for High-Rate Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3646-3652	4.3	8
368	Niobium Tungsten Oxide in a Green Water-in-Salt Electrolyte Enables Ultra-Stable Aqueous Lithium-Ion Capacitors. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 168	19.5	19
367	Lithiophilic polymer interphase anchored on laser-punched 3D holey Cu matrix enables uniform lithium nucleation leading to super-stable lithium metal anodes. <i>Energy Storage Materials</i> , <b>2020</b> , 29, 84-91	19.4	28
366	Free-standing N,Co-codoped TiO <sub>2</sub> nanoparticles for LiO <sub>2</sub> -based LiO <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 23046-23054	13	12
365	RbF as a Dendrite-Inhibiting Additive in Lithium Metal Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20804-20811	9.5	30
364	Catalytic Growth of Graphitic Carbon-Coated Silicon as High-Performance Anodes for Lithium Storage. <i>Energy Technology</i> , <b>2019</b> , 7, 1900502	3.5	4
363	Dual Dopamine Derived Polydopamine Coated N-Doped Porous Carbon Spheres as a Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10710-10717	4.8	18
362	Pseudocapacitive T-Nb <sub>2</sub> O <sub>5</sub> /N-doped carbon nanosheets anode enable high performance lithium-ion capacitors. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 842, 82-88	4.1	23
361	An aqueous rechargeable sodium-magnesium mixed ion battery based on NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> MnO <sub>2</sub> system. <i>Electrochimica Acta</i> , <b>2019</b> , 311, 1-7	6.7	14
360	Ultra-fast NH <sub>4</sub> <sup>+</sup> Storage: Strong H Bonding between NH <sub>4</sub> <sup>+</sup> and Bi-layered V <sub>2</sub> O <sub>5</sub> . <i>Chem</i> , <b>2019</b> , 5, 1537-1556	6.2	90
359	Engineering Ultrathin MoS <sub>2</sub> Nanosheets Anchored on N-Doped Carbon Microspheres with Pseudocapacitive Properties for High-Performance Lithium-Ion Capacitors. <i>Small Methods</i> , <b>2019</b> , 3, 1900081	12.8	64
358	Compressed and Crumpled Porous Carbon Electrode for High Volumetric Performance Electrical Double-Layer Capacitors. <i>Energy Technology</i> , <b>2019</b> , 7, 1900209	3.5	8
357	A Heavily Surface-Doped Polymer with the Bifunctional Catalytic Mechanism in Li-O Batteries. <i>IScience</i> , <b>2019</b> , 14, 312-322	6.1	7
356	A novel aqueous ammonium dual-ion battery based on organic polymers. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11314-11320	13	42
355	Honeycombed NiCo <sub>2</sub> O <sub>4</sub> nanosheets grown on the sponge of a carbon nanotube/graphene prepared by the flame burning method with an advanced performance as a supercapacitor. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 787, 36-44	5.7	10
354	Nitrogen and oxygen co-doping carbon microspheres by a sustainable route for fast sodium-ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 303, 140-147	6.7	27

353	Metal-free energy storage systems: combining batteries with capacitors based on a methylene blue functionalized graphene cathode. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19668-19675	13	112
352	Alloying Reaction Confinement Enables High-Capacity and Stable Anodes for Lithium-Ion Batteries. <i>ACS Nano</i> , <b>2019</b> , 13, 9511-9519	16.7	32
351	Solid/Solid Interfacial Architecturing of Solid Polymer Electrolyte-Based All-Solid-State Lithium-Sulfur Batteries by Atomic Layer Deposition. <i>Small</i> , <b>2019</b> , 15, e1903952	11	35
350	Rocking-chair Na-ion hybrid capacitor: a high energy/power system based on Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F@PEDOT core-shell nanorods. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 1030-1037	13	38
349	Successive Cationic and Anionic (De)-Intercalation/ Incorporation into an Ion-Doped Radical Conducting Polymer. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 979-984	5.6	1
348	Two Conjugated Covalent Organic Frameworks with Long-Term Cyclability at High Current Density for Lithium Ion Battery. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15472-15476	4.8	16
347	Scalable synthesis of holey graphite nanosheets for supercapacitors with high volumetric capacitance. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 526-530	10.8	23
346	Oxygen-enriched crumpled graphene-based symmetric supercapacitor with high gravimetric and volumetric performances. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 833, 119-125	4.1	15
345	Nano-sized Titanium Nitride Functionalized Separator Improves Cycling Performance of Lithium Sulfur Batteries. <i>ChemistrySelect</i> , <b>2019</b> , 4, 698-704	1.8	15
344	Rigid Polyimide Buffering Layer Enabling Silicon Nanoparticles Prolonged Cycling Life for Lithium Storage. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 948-955	6.1	7
343	High energy aqueous sodium-ion capacitor enabled by polyimide electrode and high-concentrated electrolyte. <i>Electrochimica Acta</i> , <b>2018</b> , 268, 512-519	6.7	29
342	Novel Potassium-Ion Hybrid Capacitor Based on an Anode of KTiO Microscaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 15542-15547	9.5	155
341	Sodium-rich iron hexacyanoferrate with nickel doping as a high performance cathode for aqueous sodium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 818, 10-18	4.1	26
340	Self-Template-Directed Metal-Organic Frameworks Network and the Derived Honeycomb-Like Carbon Flakes via Confinement Pyrolysis. <i>Small</i> , <b>2018</b> , 14, e1704461	11	31
339	Boron and nitrogen dual-doped carbon as a novel cathode for high performance hybrid ion capacitors. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 624-628	8.1	23
338	Monodisperse Metallic NiCoSe <sub>2</sub> Hollow Sub-Microspheres: Formation Process, Intrinsic Charge-Storage Mechanism, and Appealing Pseudocapacitance as Highly Conductive Electrode for Electrochemical Supercapacitors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705921	15.6	169
337	Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2894-2898	16.4	188
336	Nasicon-Type Surface Functional Modification in Core-Shell LiNiMnCoO@NaTi(PO) Cathode Enhances Its High-Voltage Cycling Stability and Rate Capacity toward Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 5498-5510	9.5	115

335	High-Voltage $\text{Li}_2\text{SiO}_3/\text{LiNi}_0.5\text{Mn}_1.5\text{O}_4$ Hollow Spheres Prepared through In Situ Aerosol Spray Pyrolysis towards High-Energy Li-Ion Batteries. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1212-1218	4.3	17
334	A functional interlayer as a polysulfides blocking layer for high-performance lithium-sulfur batteries. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1431-1436	3.6	28
333	A sustainable route from corn stalks to N, P-dual doping carbon sheets toward high performance sodium-ion batteries anode. <i>Carbon</i> , <b>2018</b> , 130, 664-671	10.4	91
332	Hierarchically Porous Multilayered Carbon Barriers for High-Performance Li-S Batteries. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 3768-3775	4.8	36
331	Facile synthesis of layered $\text{Li}_4\text{Ti}_5\text{O}_{12}$ - $\text{Ti}_3\text{C}_2\text{T}_x$ (MXene) composite for high-performance lithium ion battery. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 810, 27-33	4.1	32
330	Layer-by-layer self-assembled two-dimensional MXene/layered double hydroxide composites as cathode for alkaline hybrid batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 390, 208-214	8.9	37
329	Template-induced self-activation route for nitrogen-doped hierarchically porous carbon spheres for electric double layer capacitors. <i>Carbon</i> , <b>2018</b> , 136, 204-210	10.4	44
328	High Performance Aqueous Sodium-Ion Capacitors Enabled by Pseudocapacitance of Layered $\text{MnO}_2$ . <i>Energy Technology</i> , <b>2018</b> , 6, 2146-2153	3.5	22
327	Metal-organic framework derived titanium-based anode materials for lithium ion batteries. <i>Nano Structures Nano Objects</i> , <b>2018</b> , 15, 48-53	5.6	15
326	Photoreceptor Cell Injury Starts in the Initial Stage of Vogt-Koyanagi-Harada Disease. <i>Ocular Immunology and Inflammation</i> , <b>2018</b> , 26, 934-942	2.8	4
325	Li Ti O Anode: Structural Design from Material to Electrode and the Construction of Energy Storage Devices. <i>Chemical Record</i> , <b>2018</b> , 18, 350-380	6.6	21
324	2D MXene/ $\text{SnS}_2$ composites as high-performance anodes for sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 932-938	14.7	157
323	Surface-functionalized graphene-based quasi-solid-state Na-ion hybrid capacitors with excellent performance. <i>Energy Storage Materials</i> , <b>2018</b> , 11, 8-15	19.4	44
322	TiN modified $\text{NaTi}_2(\text{PO}_4)_3$ as an anode material for aqueous sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 814-823	14.7	35
321	Flexible Sodium Ion Batteries: From Materials to Devices <b>2018</b> , 97-125		
320	MXene debris modified eggshell membrane as separator for high-performance lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 695-703	14.7	59
319	Structure-designed synthesis of yolk-shell hollow $\text{ZnFe}_2\text{O}_4/\text{C}@N$ -doped carbon sub-microspheres as a competitive anode for high-performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17947-17958	13	25
318	Ammonia, a Switch for Controlling High Ionic Conductivity in Lithium Borohydride Ammoniates. <i>Joule</i> , <b>2018</b> , 2, 1522-1533	27.8	52

317	Nitrogenated Urchin-like Nb <sub>2</sub> O <sub>5</sub> Microspheres with Extraordinary Pseudocapacitive Properties for Lithium-Ion Capacitors. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1516-1524	4.3	30
316	Progress of Nanostructured Electrode Materials for Supercapacitors. <i>Advanced Sustainable Systems</i> , <b>2018</b> , 2, 1700110	5.9	55
315	Aerosol-Spray Pyrolysis toward Preparation of Nanostructured Materials for Batteries and Supercapacitors. <i>Small Methods</i> , <b>2018</b> , 2, 1700272	12.8	35
314	Graphene scrolls coated Sb <sub>2</sub> S <sub>3</sub> nanowires as anodes for sodium and lithium ion batteries. <i>Nano Structures Nano Objects</i> , <b>2018</b> , 15, 197-204	5.6	11
313	Honeycomb-like NiCo <sub>2</sub> O <sub>4</sub> @Ni(OH) <sub>2</sub> supported on 3D N-doped graphene/carbon nanotubes sponge as an high performance electrode for Supercapacitor. <i>Ceramics International</i> , <b>2018</b> , 44, 3113-3124	5.1	31
312	Association Between Folic Acid Supplementation and Retinal Atherosclerosis in Chinese Adults With Hypertension Complicated by Diabetes Mellitus. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 1159	5.6	6
311	Applications of Conventional Vibrational Spectroscopic Methods for Batteries Beyond Li-Ion. <i>Small Methods</i> , <b>2018</b> , 2, 1700332	12.8	27
310	Superlithiated Polydopamine Derivative for High-Capacity and High-Rate Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 38101-38108	9.5	40
309	Enhanced Cycle Performance of Polyimide Cathode Using a Quasi-Solid-State Electrolyte. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 22294-22300	3.8	22
308	Insights on the Proton Insertion Mechanism in the Electrode of Hexagonal Tungsten Oxide Hydrate. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11556-11559	16.4	62
307	Graphene Caging Silicon Particles for High-Performance Lithium-Ion Batteries. <i>Small</i> , <b>2018</b> , 14, e1800635	5.1	104
306	High-Voltage LiNi <sub>0.45</sub> Cr <sub>0.1</sub> Mn <sub>1.45</sub> O <sub>4</sub> Cathode with Superlong Cycle Performance for Wide Temperature Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1704808	15.6	66
305	Uniform Hollow Mesoporous Nickel Cobalt Sulfide Microdumbbells: A Competitive Electrode with Exceptional Gravimetric/Volumetric Pseudocapacitance for High-Energy-Density Hybrid Superapacitors. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600322	6.4	31
304	Self-supported electrodes of Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> nanoribbon array/graphene foam and graphene foam for quasi-solid-state Na-ion capacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5806-5812	13	42
303	3D nitrogen-doped carbon foam supported Ge@C composite as anode for high performance lithium-ion battery. <i>Chemical Engineering Journal</i> , <b>2017</b> , 322, 188-195	14.7	29
302	Preparation and electrochemical performances of graphene/polypyrrole nanocomposite with anthraquinone-graphene oxide as active oxidant. <i>Carbon</i> , <b>2017</b> , 119, 111-118	10.4	48
301	Raspberry-like Nanostructured Silicon Composite Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18766-18773	9.5	56
300	Mesoporous Silicon Anodes by Using Polybenzimidazole Derived Pyrrolic N-Enriched Carbon toward High-Energy Li-Ion Batteries. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1279-1287	20.1	90

299	Conductive graphene oxide-polyacrylic acid (GOPAA) binder for lithium-sulfur battery. <i>Nano Energy</i> , <b>2017</b> , 31, 568-574	17.1	124
298	Exploring metal organic frameworks for energy storage in batteries and supercapacitors. <i>Materials Today</i> , <b>2017</b> , 20, 191-209	21.8	290
297	Prussian Blue Analogue with Fast Kinetics Through Electronic Coupling for Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20306-20312	9.5	75
296	Hierarchical porous carbons with layer-by-layer motif architectures from confined soft-template self-assembly in layered materials. <i>Nature Communications</i> , <b>2017</b> , 8, 15717	17.4	231
295	An All-Stretchable-Component Sodium-Ion Full Battery. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700898	24	114
294	Bacterial-cellulose-derived interconnected meso-microporous carbon nanofiber networks as binder-free electrodes for high-performance supercapacitors. <i>Journal of Power Sources</i> , <b>2017</b> , 352, 34-41	8.9	88
293	MoS <sub>2</sub> -Nanosheet-Decorated 2D Titanium Carbide (MXene) as High-Performance Anodes for Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2017</b> , 4, 1560-1565	4.3	92
292	Highly Conductive and Lightweight Composite Film as Polysulfide Reservoir for High-Performance Lithium Sulfur Batteries. <i>ChemElectroChem</i> , <b>2017</b> , 4, 362-368	4.3	25
291	Biomass derived carbon for energy storage devices. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2411-2428	13	474
290	Highly stable lithium ion capacitor enabled by hierarchical polyimide derived carbon microspheres combined with 3D current collectors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23283-23291	13	66
289	A binder-free NiCoO nanosheet/3D elastic N-doped hollow carbon nanotube sponge electrode with high volumetric and gravimetric capacitances for asymmetric supercapacitors. <i>Nanoscale</i> , <b>2017</b> , 9, 16826-16835	7.7	60
288	Few-Layer MXenes Delaminated via High-Energy Mechanical Milling for Enhanced Sodium-Ion Batteries Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39610-39617	9.5	90
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286	Improved flexible Li-ion hybrid capacitors: Techniques for superior stability. <i>Nano Research</i> , <b>2017</b> , 10, 4448-4456	10	20
285	Ad hoc solid electrolyte on acidized carbon nanotube paper improves cycle life of lithium sulfur batteries. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 2544-2551	35.4	64
284	A thin multifunctional coating on a separator improves the cyclability and safety of lithium sulfur batteries. <i>Chemical Science</i> , <b>2017</b> , 8, 6619-6625	9.4	74
283	A novel coronene//Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> dual-ion battery. <i>Nano Energy</i> , <b>2017</b> , 40, 233-239	17.1	74
282	Biomorphic template-engaged strategy towards porous zinc manganate micro-belts as a competitive anode for rechargeable lithium-ion batteries. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 14154-14165	6.7	9

281	Serum uric acid concentration is associated with hypertensive retinopathy in hypertensive chinese adults. <i>BMC Ophthalmology</i> , <b>2017</b> , 17, 83	2.3	7
280	Pseudocapacitive materials for electrochemical capacitors: from rational synthesis to capacitance optimization. <i>National Science Review</i> , <b>2017</b> , 4, 71-90	10.8	138
279	Hollow mesoporous hetero-NiCo <sub>2</sub> S <sub>4</sub> /Co <sub>9</sub> S <sub>8</sub> submicro-spindles: unusual formation and excellent pseudocapacitance towards hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 133-144	13	210
278	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> nanosheets/nitrogen doped graphene/carbon nanotube film with ultrahigh capacitance and long cycle stability as a flexible binder-free electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 689-698	13	109
277	Effect of Pre-Punched Current Collector for Lithiation on the Electrochemical Performance of Lithium-Ion Capacitor. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , <b>2017</b> , 33, 780-786	3.8	4
276	Design of nanoconfined MWNTs@NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> coaxial cables with superior rate capability and long-cycle life for Na-ion batteries. <i>Applied Materials Today</i> , <b>2016</b> , 4, 54-61	6.6	20
275	Interface miscibility induced double-capillary carbon nanofibers for flexible electric double layer capacitors. <i>Nano Energy</i> , <b>2016</b> , 28, 232-240	17.1	54
274	Effect of Graphene Modified Cu Current Collector on the Performance of LiTiO Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30926-30932	9.5	65
273	Analogous graphite carbon sheets derived from corn stalks as high performance sodium-ion battery anodes. <i>RSC Advances</i> , <b>2016</b> , 6, 106218-106224	3.7	23
272	Metal-organic-framework-derived two-dimensional ultrathin mesoporous hetero-ZnFeO/ZnO nanosheets with enhanced lithium storage properties for Li-ion batteries. <i>Nanotechnology</i> , <b>2016</b> , 27, 465402	3.4	26
271	Self-sacrifice Template Formation of Hollow Hetero-Ni <sub>7</sub> S <sub>6</sub> /Co <sub>3</sub> S <sub>4</sub> Nanoboxes with Intriguing Pseudo-capacitance for High-performance Electrochemical Capacitors. <i>Scientific Reports</i> , <b>2016</b> , 6, 20973	4.9	82
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267	An advanced high-energy sodium ion full battery based on nanostructured Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> /VOPO <sub>4</sub> layered materials. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3399-3405	35.4	196
266	Preparation of a two-dimensional flexible MnO <sub>2</sub> /graphene thin film and its application in a supercapacitor. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 10618-10626	13	66
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264	Ruthenium Oxide/Reduced Graphene Oxide Nanoribbon Composite and Its Excellent Rate Capability in Supercapacitor Application. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 114-122	4.9	19

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262	A modified molten-salt method to prepare graphene electrode with high capacitance and low self-discharge rate. <i>Carbon</i> , <b>2016</b> , 102, 255-261	10.4	66
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258	Porous Silicon@Polythiophene CoreShell Nanospheres for Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 75-81	3.1	11
257	Self-Sacrificial Template-Directed Synthesis of MetalOrganic Framework-Derived Porous Carbon for Energy-Storage Devices. <i>ChemElectroChem</i> , <b>2016</b> , 3, 668-674	4.3	42
256	Anion-Exchange Formation of Hollow NiCo S Nanoboxes from Mesocrystalline Nickel Cobalt Carbonate Nanocubes towards Enhanced Pseudocapacitive Properties. <i>ChemPlusChem</i> , <b>2016</b> , 81, 557-563 <sup>2,8</sup>	2.8	68
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249	A two-step etching route to ultrathin carbon nanosheets for high performance electrical double layer capacitors. <i>Nanoscale</i> , <b>2016</b> , 8, 11136-42	7.7	46
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243	Three-dimensional graphene nanosheets/carbon nanotube paper as flexible electrodes for electrochemical capacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 22173-22177	3.7	7
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238	Formation of nickel cobalt sulfide ball-in-ball hollow spheres with enhanced electrochemical pseudocapacitive properties. <i>Nature Communications</i> , <b>2015</b> , 6, 6694	17.4	941
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190	A facile one-pot synthesis of TiO <sub>2</sub> /nitrogen-doped reduced graphene oxide nanocomposite as anode materials for high-rate lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 133, 209-216	6.7	53
189	Mesoporous Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /carbon nanofibers for high-rate lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 587, 171-176	5.7	34
188	Promotive effect of multi-walled carbon nanotubes on Co <sub>3</sub> O <sub>4</sub> nanosheets and their application in lithium-ion battery. <i>Progress in Natural Science: Materials International</i> , <b>2014</b> , 24, 184-190	3.6	5
187	Development of a dual-acting axial piston pump for displacement-controlled system. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2014</b> , 228, 606-616	2.4	21
186	Enhanced Performance of Aqueous Sodium-Ion Batteries Using Electrodes Based on the NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /MWNTs/Na <sub>0.44</sub> MnO <sub>2</sub> System. <i>Energy Technology</i> , <b>2014</b> , 2, 705-712	3.5	47
185	Development of an asymmetric axial piston pump for displacement-controlled system. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2014</b> , 228, 1418-1430	1.3	24
184	Enhanced Lithium-Storage Performance from Three-Dimensional MoS <sub>2</sub> Nanosheets/Carbon Nanotube Paper. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1118-1125	4.3	40
183	Construction of porous anode by sacrificial template for a passive direct methanol fuel cell. <i>Journal of Power Sources</i> , <b>2014</b> , 262, 213-218	8.9	24
182	High performance three-dimensional Ge/cyclized-polyacrylonitrile thin film anodes prepared by RF magnetron sputtering for lithium ion batteries. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 2279-2285	4.3	18
181	Preparation and Supercapacitive Performance of Polyaniline Covalently Grafted Carbon Nanotubes Composite Material. <i>Acta Chimica Sinica</i> , <b>2014</b> , 72, 1175	3.3	5
180	Preparation and electrochemical performances of porous polypyrrole film by interfacial polymerization. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 2938-2944	2.9	16
179	Porous nitrogen-doped carbon nanotubes derived from tubular polypyrrole for energy-storage applications. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 12306-12	4.8	149
178	3D porous layered double hydroxides grown on graphene as advanced electrochemical pseudocapacitor materials. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9046	13	165
177	Enhancing the electrochemical performance of Li <sub>1.2</sub> Ni <sub>0.2</sub> Mn <sub>0.6</sub> O <sub>2</sub> by surface modification with nickel-manganese composite oxide. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 2087-2093	2.6	14
176	Template-engaged synthesis of uniform mesoporous hollow NiCo <sub>2</sub> O <sub>4</sub> sub-microspheres towards high-performance electrochemical capacitors. <i>RSC Advances</i> , <b>2013</b> , 3, 18573	3.7	106
175	Polymer-assisted synthesis of a 3D hierarchical porous network-like spinel NiCo <sub>2</sub> O <sub>4</sub> framework towards high-performance electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11145	13	140
174	Synthesis of nanostructured materials by using metal-cyanide coordination polymers and their lithium storage properties. <i>Nanoscale</i> , <b>2013</b> , 5, 11087-93	7.7	23

173	Mesoporous N-containing carbon nanosheets towards high-performance electrochemical capacitors. <i>Carbon</i> , <b>2013</b> , 64, 141-149	10.4	76
172	Electrochemical reduction of graphene oxide and its electrochemical capacitive performance. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 2857-2863	2.6	36
171	Advanced Energy-Storage Architectures Composed of Spinel Lithium Metal Oxide Nanocrystal on Carbon Textiles. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 1484-1489	21.8	101
170	Fabrication of a sandwich structured electrode for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14280	13	37
169	Facile synthesis of Co <sub>2</sub> P <sub>2</sub> O <sub>7</sub> nanorods as a promising pseudocapacitive material towards high-performance electrochemical capacitors. <i>RSC Advances</i> , <b>2013</b> , 3, 21558	3.7	29
168	Encapsulating sulfur into hierarchically ordered porous carbon as a high-performance cathode for lithium-sulfur batteries. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 1013-9	4.8	201
167	Carbon coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanorods as superior anode material for high rate lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 572, 37-42	5.7	71
166	Preparation and electrochemical performances of PEDOT/sulfonic acid-functionalized graphene composite hydrogel. <i>Synthetic Metals</i> , <b>2013</b> , 172, 21-27	3.6	34
165	Sulfur embedded in metal organic framework-derived hierarchically porous carbon nanoplates for high performance lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4490	13	245
164	Sacrificial template synthesis of short mesoporous NiO nanotubes and their application in electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2013</b> , 88, 507-512	6.7	45
163	Unusual electrochemical behavior of Ru <sub>2</sub> Ir binary oxide-based aqueous symmetric supercapacitors in KOH solution. <i>Electrochimica Acta</i> , <b>2013</b> , 88, 654-658	6.7	12
162	Preparation and properties of polystyrene nanocomposites with graphite oxide and graphene as flame retardants. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 4214-4222	4.3	104
161	Chemically tailoring the nanostructure of graphene nanosheets to confine sulfur for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1096-1101	13	170
160	Flexible Films Derived from Electrospun Carbon Nanofibers Incorporated with Co <sub>3</sub> O <sub>4</sub> Hollow Nanoparticles as Self-Supported Electrodes for Electrochemical Capacitors. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3909-3915	15.6	215
159	Enhanced cycling performance and electrochemical reversibility of a novel sulfur-impregnated mesoporous hollow TiO <sub>2</sub> sphere cathode for advanced Li-S batteries. <i>Nanoscale</i> , <b>2013</b> , 5, 5743-6	7.7	85
158	Surfactant-assisted microemulsion approach of chrysanthemum-like Co <sub>3</sub> O <sub>4</sub> microspheres and their application in lithium-ion battery. <i>Solid State Ionics</i> , <b>2013</b> , 231, 63-68	3.3	8
157	Facile synthesis of N-doped carbon-coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> microspheres using polydopamine as a carbon source for high rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 7270	13	158
156	Encapsulating sulfur into mesoporous TiO <sub>2</sub> host as a high performance cathode for lithium-sulfur battery. <i>Electrochimica Acta</i> , <b>2013</b> , 107, 78-84	6.7	112

155	Preparation and capacitive performances of PEDOT/indigo carmine composite hydrogel. <i>Polymer Composites</i> , <b>2013</b> , 34, 989-996	3	13
154	Nitrogen-doped carbon coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanocomposite: Superior anode materials for rechargeable lithium ion batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 221, 122-127	8.9	88
153	FACILE SYNTHESIS AND UNUSUAL ELECTROCHEMICAL CAPACITANCE OF Ni-DOPED TITANATE NANOTUBES. <i>Journal of Molecular and Engineering Materials</i> , <b>2013</b> , 01, 1340016	1.3	
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149	One-step electrochemical composite polymerization of polypyrrole integrated with functionalized graphene/carbon nanotubes nanostructured composite film for electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2012</b> , 62, 132-139	6.7	33
148	Preparation and electrochemistry of graphene nanosheets/multiwalled carbon nanotubes hybrid nanomaterials as Pd electrocatalyst support for formic acid oxidation. <i>Electrochimica Acta</i> , <b>2012</b> , 62, 242-249	6.7	71
147	Facile hydrothermal synthesis of single crystalline TiO <sub>2</sub> nanocubes and their phase transitions to TiO <sub>2</sub> hollow nanocages as anode materials for lithium-ion battery. <i>Electrochimica Acta</i> , <b>2012</b> , 62, 408-415	6.7	52
146	Preparation and electrochemical capacitance of hierarchical graphene/polypyrrole/carbon nanotube ternary composites. <i>Electrochimica Acta</i> , <b>2012</b> , 69, 160-166	6.7	83
145	Functionalized ionic liquid-assisted mechanochemical synthesis of graphene nanosheet/polypyrrole nanocomposites. <i>Materials Letters</i> , <b>2012</b> , 71, 57-59	3.3	10
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143	Enhanced high-current capacitive behavior of graphene/CoAl-layered double hydroxide composites as electrode material for supercapacitors. <i>Journal of Power Sources</i> , <b>2012</b> , 199, 395-401	8.9	175
142	Facile growth of mesoporous Co <sub>3</sub> O <sub>4</sub> nanowire arrays on Ni foam for high performance electrochemical capacitors. <i>Journal of Power Sources</i> , <b>2012</b> , 203, 250-256	8.9	213
141	Ultrathin Mesoporous NiCo <sub>2</sub> O <sub>4</sub> Nanosheets Supported on Ni Foam as Advanced Electrodes for Supercapacitors. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4592-4597	15.6	1385
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138	Flower-like LiMnPO <sub>4</sub> hierarchical microstructures assembled from single-crystalline nanosheets for lithium-ion batteries. <i>CrystEngComm</i> , <b>2012</b> , 14, 4284	3.3	55

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134	Uniform urchin-like nickel cobaltite microspherical superstructures constructed by one-dimension nanowires and their application for electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2012</b> , 81, 172-178	6.7	71
133	General strategy for designing core-shell nanostructured materials for high-power lithium ion batteries. <i>Nano Letters</i> , <b>2012</b> , 12, 5673-8	11.5	183
132	Hydrogenated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanowire arrays for high rate lithium ion batteries. <i>Advanced Materials</i> , <b>2012</b> , 24, 6502-6	24	411
131	Growth of ultrathin mesoporous Co <sub>3</sub> O <sub>4</sub> nanosheet arrays on Ni foam for high-performance electrochemical capacitors. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7883	35.4	725
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128	Three-dimensional coherent titania-mesoporous carbon nanocomposite and its lithium-ion storage properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 2985-92	9.5	76
127	Synthesis and supercapacitance of flower-like Co(OH) <sub>2</sub> hierarchical superstructures self-assembled by mesoporous nanobelts. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 1519-1525	2.6	19
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97	Synthesis of flexible and porous cobalt hydroxide/conductive cotton textile sheet and its application in electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 6683-6687	6.7	33
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79	Preparation and electrochemical properties of polyaniline doped with benzenesulfonic functionalized multi-walled carbon nanotubes. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 2311-2318	6.7	42
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72	Electrochemical properties of LiFePO <sub>4</sub> /C synthesized using polypyrrole as carbon source. <i>Journal of Solid State Electrochemistry</i> , <b>2009</b> , 13, 1361-1366	2.6	22
71	Microwave-assisted synthesis of organic/inorganic poly(3,4-ethylenedioxythiophene)/RuO <sub>2</sub> ·xH <sub>2</sub> O nanocomposite for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , <b>2009</b> , 13, 1925-1933	2.6	29
70	Poly(sodium-p-styrenesulfonate) assisted microwave synthesis of ordered mesoporous carbon supported Pd nanoparticles for formic acid electro-oxidation. <i>Applied Surface Science</i> , <b>2009</b> , 256, 33-38	6.7	14
69	Synthesis and electrochemical capacitance of core-shell poly(3,4-ethylenedioxythiophene)/poly(sodium 4-styrenesulfonate)-modified multiwalled carbon nanotube nanocomposites. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 2335-2341	6.7	103
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60	A facile approach towards sulfonate functionalization of multi-walled carbon nanotubes as Pd catalyst support for ethylene glycol electro-oxidation. <i>Journal of Power Sources</i> , <b>2009</b> , 191, 366-370	8.9	47
59	Highly dispersed Pd nanoparticles on covalent functional MWNT surfaces for methanol oxidation in alkaline solution. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 557-561	5.1	64
58	High dispersion and electrochemical capacitive performance of NiO on benzenesulfonic functionalized carbon nanotubes. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 3561-3567	6.7	32
57	Effect of calcination temperature on the morphology and electrochemical properties of Co <sub>3</sub> O <sub>4</sub> for lithium-ion battery. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 4180-4185	6.7	83
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53	Density functional study of aurophilic interaction in [X(AuPH <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> (X = F, Cl, Br, I). <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 5796-804	3.6	11
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50	High capacitive performance of nanostructured Mn <sub>2</sub> Co oxide composites for supercapacitor. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 1119-1125	5.1	89
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48	Symmetric Self-Hybrid Supercapacitor Consisting of Multiwall Carbon Nanotubes and Co/Al Layered Double Hydroxides. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, A110	3.9	47

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46	Electrochemical performance of Co/Al layered double hydroxide nanosheets mixed with multiwall carbon nanotubes. <i>Journal of Solid State Electrochemistry</i> , <b>2008</b> , 12, 1129-1134	2.6	74
45	High-voltage aqueous symmetric electrochemical capacitor based on Ru <sub>0.7</sub> Sn <sub>0.3</sub> O <sub>2</sub> ·xH <sub>2</sub> O electrodes in 1 M KOH. <i>Journal of Solid State Electrochemistry</i> , <b>2008</b> , 12, 1645-1652	2.6	13
44	Interface synthesis of mesoporous MnO <sub>2</sub> and its electrochemical capacitive behaviors. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 322, 545-50	9.3	94
43	Pd nanoparticles supported on functionalized multi-walled carbon nanotubes (MWCNTs) and electrooxidation for formic acid. <i>Journal of Power Sources</i> , <b>2008</b> , 175, 26-32	8.9	111
42	Preparation and enhanced capacitance of core-shell polypyrrole/polyaniline composite electrode for supercapacitors. <i>Journal of Power Sources</i> , <b>2008</b> , 176, 403-409	8.9	198
41	Insights into the electrochemistry of layered double hydroxide containing cobalt and aluminum elements in lithium hydroxide aqueous solution. <i>Journal of Power Sources</i> , <b>2008</b> , 179, 388-394	8.9	24
40	A simple approach towards sulfonated multi-walled carbon nanotubes supported by Pd catalysts for methanol electro-oxidation. <i>Journal of Power Sources</i> , <b>2008</b> , 185, 801-806	8.9	73
39	Synthesis of LiV <sub>3</sub> O <sub>8</sub> nanocrystallites as cathode materials for lithium ion batteries. <i>Journal of Materials Processing Technology</i> , <b>2008</b> , 207, 265-270	5.3	25
38	Hydrothermal synthesis of Co <sub>3</sub> O <sub>4</sub> microspheres as anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 2507-2513	6.7	166
37	Enhanced electrochemical stability and charge storage of MnO <sub>2</sub> /carbon nanotubes composite modified by polyaniline coating layer in acidic electrolytes. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 7039-7047	6.7	110
36	A novel asymmetric capacitor based on Co(OH) <sub>2</sub> /USY composite and activated carbon electrodes. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 473, 317-322	5.3	32
35	Ultrasonic synthesis of highly dispersed Pt nanoparticles supported on MWCNTs and their electrocatalytic activity towards methanol oxidation. <i>Carbon</i> , <b>2007</b> , 45, 2424-2432	10.4	88
34	Microwave-assisted synthesis and electrochemical capacitance of polyaniline/multi-wall carbon nanotubes composite. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 2859-2862	5.1	131
33	Electrochemical capacitance of NiO/Ru <sub>0.35</sub> V <sub>0.65</sub> O <sub>2</sub> asymmetric electrochemical capacitor. <i>Journal of Power Sources</i> , <b>2007</b> , 173, 606-612	8.9	162
32	Effect of carbon entrapped in Co/Al double oxides on structural restacking and electrochemical performances. <i>Journal of Power Sources</i> , <b>2007</b> , 172, 999-1006	8.9	46
31	Synthesis and electrochemical capacitance of mesoporous Co(OH) <sub>2</sub> . <i>Materials Chemistry and Physics</i> , <b>2007</b> , 101, 148-152	4.4	73
30	Electrochemical capacitance of polypyrrole nanowire prepared by using cetyltrimethylammonium bromide (CTAB) as soft template. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 101, 367-371	4.4	112

29	Oxygen reduction reaction on (Pt <sub>1-x</sub> NbPO <sub>x</sub> )/MWCNTs electrodes prepared by microwave irradiation method. <i>Journal of Solid State Electrochemistry</i> , <b>2007</b> , 12, 113-119	2.6	3
28	Solid state synthesis of hydrous ruthenium oxide for supercapacitors. <i>Journal of Power Sources</i> , <b>2007</b> , 173, 599-605	8.9	38
27	Preparation of urchinlike NiO nanostructures and their electrochemical capacitive behaviors. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 620-627	5.1	131
26	Self-assembly preparation of mesoporous hollow nanospheric manganese dioxide and its application in zinc-air battery. <i>Journal of Solid State Electrochemistry</i> , <b>2006</b> , 10, 995-1001	2.6	14
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24	Electrochemical reduction of CO <sub>2</sub> on RuO <sub>2</sub> /TiO <sub>2</sub> nanotubes composite modified Pt electrode. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 3576-3580	6.7	167
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21	Enhanced photocatalytic activity of magnetic TiO <sub>2</sub> photocatalyst by silver deposition. <i>Materials Letters</i> , <b>2005</b> , 59, 2194-2198	3.3	69
20	Synthesis and characterization of aniline and o-toluidine conducting copolymer microtubes with the template-synthesis method. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 96, 1539-1543	2.9	9
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18	Hydrothermal synthesis and characterization of vanadium oxide/titanate composite nanorods. <i>Materials Chemistry and Physics</i> , <b>2004</b> , 87, 168-172	4.4	23
17	Studies on Me/Al-layered double hydroxides (Me = Ni and Co) as electrode materials for electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 3137-3141	6.7	118
16	Electrochemical insertion of magnesium ions into V <sub>2</sub> O <sub>5</sub> from aprotic electrolytes with varied water content. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 278, 160-5	9.3	66
15	NiO-based composite electrode with RuO <sub>2</sub> for electrochemical capacitors. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 229-232	6.7	68
14	MnO <sub>2</sub> /MCMB electrocatalyst for all solid-state alkaline zinc-air cells. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 873-877	3.8	38
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7	Investigation of Nonionic Surfactant Dynol-604 Based Reverse Microemulsions Formed in Supercritical Carbon Dioxide. <i>Langmuir</i> , <b>2001</b> , 17, 8040-8043	4	91
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5	A High-Voltage Lithium-Metal Batteries Electrolyte Based on Fully-Methylated Pivalonitrile. <i>Batteries and Supercaps</i> ,	5.6	1
4	A Facile Surface Passivation Method to Stabilized Lithium Metal Anodes Facilitate the Practical Application of Quasi-Solid-State Batteries. <i>Advanced Materials Interfaces</i> , 2102283	4.6	3
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2	Vanadium nitride nanoparticles embedded in carbon matrix with pseudocapacitive behavior for high performance lithium-ion capacitors. <i>Rare Metals</i> , 1	5.5	1
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