

Advances and challenges for flexible energy storage and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Biaxially Stretchable, Integrated Array of High Performance Microsupercapacitors. ACS Nano, 2014, 8, 11639-11650.	7.3	143
2	Reduced-temperature solution-processed transparent oxide low-voltage-operable field-effect transistors. MRS Communications, 2015, 5, 605-611.	0.8	1
3	High nitrogen-containing cotton derived 3D porous carbon frameworks for high-performance supercapacitors. Scientific Reports, 2015, 5, 15388.	1.6	44
4	1D Hierarchical MnCo ₂ O ₄ Nanowire@MnO ₂ Sheet Core-Shell Arrays on Graphite Paper as Superior Electrodes for Asymmetric Supercapacitors. ChemNanoMat, 2015, 1, 593-602.	1.5	111
5	Flexible and Foldable Li ⁺ Battery Based on Paper-Ink Cathode. Advanced Materials, 2015, 27, 8095-8101.	11.1	117
6	Design Considerations for Unconventional Electrochemical Energy Storage Architectures. Advanced Energy Materials, 2015, 5, 1402115.	10.2	271
7	Programmable Nanocarbon-Based Architectures for Flexible Supercapacitors. Advanced Energy Materials, 2015, 5, 1500677.	10.2	87
8	Electrocatalytic Interface Based on Novel Carbon Nanomaterials for Advanced Electrochemical Sensors. ChemCatChem, 2015, 7, 2744-2764.	1.8	59
9	Fabricating Continuous Supercapacitor Fibers with High Performances by Integrating All Building Materials and Steps into One Process. Advanced Materials, 2015, 27, 7854-7860.	11.1	176
11	Improved Electrochemical Performance of a ZnFe ₂ O ₄ Nanoflake-Based Supercapacitor Electrode by Using Thiocyanate-Functionalized Ionic Liquid Electrolytes. European Journal of Inorganic Chemistry, 2015, 2015, 5832-5838.	1.0	27
12	Diameter-Controlled Synthesis and Capacitive Performance of Mesoporous Dual-Layer MnO ₂ Nanotubes. ChemNanoMat, 2015, 1, 159-166.	1.5	11
13	High-performance nickel manganese ferrite/oxidized graphene composites as flexible and binder-free anodes for Li-ion batteries. RSC Advances, 2015, 5, 40018-40025.	1.7	8
14	A facile route for growth of CNTs on Si@hard carbon for conductive agent incorporating anodes for lithium-ion batteries. Nanoscale, 2015, 7, 11286-11290.	2.8	19
15	Multilayered paper-like electrodes composed of alternating stacked mesoporous Mo ₂ N nanobelts and reduced graphene oxide for flexible all-solid-state supercapacitors. Journal of Materials Chemistry A, 2015, 3, 14617-14624.	5.2	75
16	Novel flexible MWCNTs@MoO ₂ -C nanocable composites with excellent electrochemical performance for lithium ion battery anodes. Materials Research Express, 2015, 2, 095502.	0.8	3
17	Molybdenum-doped few-layered SnS ₂ architectures with enhanced electrochemical supercapacitive performance. RSC Advances, 2015, 5, 105862-105868.	1.7	52
18	Flexible graphene devices related to energy conversion and storage. Energy and Environmental Science, 2015, 8, 790-823.	15.6	328
19	Graphene Polymer Nanocomposites for Fuel Cells. , 2015, , 91-130.		3

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20	A Biodegradable Gel Electrolyte for Use in High-Performance Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3503-3511.	4.0	158
21	Novel scalable synthesis of highly conducting and robust PEDOT paper for a high performance flexible solid supercapacitor. <i>Energy and Environmental Science</i> , 2015, 8, 1339-1347.	15.6	350
23	Low-Temperature Processed and Carbon-Based ZnO/CH ₃ NH ₃ PbI ₃ /C Planar Heterojunction Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4600-4605.	1.5	153
24	Atomic layer deposition of Co ₃ O ₄ on carbon nanotubes/carbon cloth for high-capacitance and ultrastable supercapacitor electrode. <i>Nanotechnology</i> , 2015, 26, 094001.	1.3	84
25	Palladium-Cobalt Nanotube Arrays Supported on Carbon Fiber Cloth as High-Performance Flexible Electrocatalysts for Ethanol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3669-3673.	7.2	258
26	Honeycomb-like NiMoO ₄ ultrathin nanosheet arrays for high-performance electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6128-6135.	5.2	203
27	Fabrication of ultrathin CoMoO ₄ nanosheets modified with chitosan and their improved performance in energy storage device. <i>Dalton Transactions</i> , 2015, 44, 6158-6168.	1.6	129
28	Folding insensitive, high energy density lithium-ion battery featuring carbon nanotube current collectors. <i>Carbon</i> , 2015, 87, 292-298.	5.4	70
29	Biaxially stretchable supercapacitors based on the buckled hybrid fiber electrode array. <i>Nanoscale</i> , 2015, 7, 12492-12497.	2.8	53
30	Enhancement of CNT/PET film adhesion by nano-scale modification for flexible all-solid-state supercapacitors. <i>Applied Surface Science</i> , 2015, 355, 160-165.	3.1	45
31	SrCo _{0.9} Ti _{0.1} O ₃ as a New Electrocatalyst for the Oxygen Evolution Reaction in Alkaline Electrolyte with Stable Performance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17663-17670.	4.0	125
32	Flexible lithium-oxygen battery based on a recoverable cathode. <i>Nature Communications</i> , 2015, 6, 7892.	5.8	279
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35	Microwave Hydrothermal Synthesis of Ni-based Metal-Organic Frameworks and Their Derived Yolk-Shell NiO for Li-Ion Storage and Supported Ammonia Borane for Hydrogen Desorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1830-1838.	3.2	91
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38	Hierarchical 3-dimensional CoMoO ₄ nanoflakes on a macroporous electrically conductive network with superior electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13776-13785.	5.2	61

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39	Flexible two-dimensional Ti _{n+1} C _n (n = 1, 2 and 3) and their functionalized MXenes predicted by density functional theories. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15348-15354.	1.3	247
40	Electrospun materials for lithium and sodium rechargeable batteries: from structure evolution to electrochemical performance. <i>Energy and Environmental Science</i> , 2015, 8, 1660-1681.	15.6	362
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44	Titanium Dioxide@Polyaniline Core-Shell Nanowires as High-Performance and Stable Electrodes for Flexible Solid-State Supercapacitors. <i>Electrochimica Acta</i> , 2015, 184, 1-7.	2.6	10
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46	Synthesis, and crystal and electronic structure of sodium metal phosphate for use as a hybrid capacitor in non-aqueous electrolyte. <i>Dalton Transactions</i> , 2015, 44, 20108-20120.	1.6	50
47	Highly Flexible Full Lithium Batteries with Self-Knitted Li-MnO_2 Fabric Foam. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25298-25305.	4.0	34
48	Electrodeposition of Pluronic F127 assisted rod-like EMD/carbon arrays for efficient energy storage. <i>Dalton Transactions</i> , 2015, 44, 16446-16457.	1.6	9
49	Flexible thin-film battery based on graphene-oxide embedded in solid polymer electrolyte. <i>Nanoscale</i> , 2015, 7, 17516-17522.	2.8	69
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58	Recent advances in metal nitrides as high-performance electrode materials for energy storage devices. Journal of Materials Chemistry A, 2015, 3, 1364-1387.	5.2	396
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81	Flexible Electrode Design: Fabrication of Freestanding Polyaniline-Based Composite Films for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11379-11389.	4.0	78
82	3-V Solid-State Flexible Supercapacitors with Ionic-Liquid-Based Polymer Gel Electrolyte for AC Line Filtering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13909-13917.	4.0	76
83	Porous Co ₃ O ₄ nanoparticles derived from a Co(<i>scp</i>)-cyclohexanhexacarboxylate metal-organic framework and used in a supercapacitor with good cycling stability. <i>RSC Advances</i> , 2016, 6, 86447-86454.	1.7	28
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86	Cellulose-coupled graphene/polypyrrole composite electrodes containing conducting networks built by carbon fibers as wearable supercapacitors with excellent foldability and tailorability. <i>Journal of Power Sources</i> , 2016, 327, 438-446.	4.0	71
87	A Flexible and Wearable Lithium-Oxygen Battery with Record Energy Density achieved by the Interlaced Architecture inspired by Bamboo Slips. <i>Advanced Materials</i> , 2016, 28, 8413-8418.	11.1	138
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91	Interfacial stability and electrochemical behavior of Li/LiFePO ₄ batteries using novel soft and weakly adhesive photo-ionogel electrolytes. <i>Journal of Power Sources</i> , 2016, 330, 92-103.	4.0	15
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98	In Situ Study of Strain-Dependent Ion Conductivity of Stretchable Polyethylene Oxide Electrolyte. <i>Scientific Reports</i> , 2016, 6, 20128.	1.6	67
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102	Flexible Aqueous Lithium-Ion Battery with High Safety and Large Volumetric Energy Density. <i>Angewandte Chemie</i> , 2016, 128, 7600-7603.	1.6	20
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112	Solvate ionic liquid electrolyte with 1,1,2,2-tetrafluoroethyl 2,2,2-trifluoroethyl ether as a support solvent for advanced lithium-sulfur batteries. <i>RSC Advances</i> , 2016, 6, 18186-18190.	1.7	32
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121	Facile synthesis of layered MnWO ₄ /reduced graphene oxide for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2016, 666, 15-22.	2.8	62
122	A flexible solid-state electrolyte for wide-scale integration of rechargeable zinc-air batteries. <i>Energy and Environmental Science</i> , 2016, 9, 663-670.	15.6	275
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