

All-solid-state flexible planar lithium ion micro-capacit

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Recent Progress in Micro <sup>2</sup> Supercapacitor Design, Integration, and Functionalization. <i>Small Methods</i> , 2019, 3, 1800367.	4.6	154
2	Device Configurations and Future Prospects of Flexible/Stretchable Lithium <sup>ion</sup> Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1805596.	7.8	132
3	Two-dimensional materials for miniaturized energy storage devices: from individual devices to smart integrated systems. <i>Chemical Society Reviews</i> , 2018, 47, 7426-7451.	18.7	384
4	<i>In situ</i> growth of Cu(OH) <sub>2</sub> @FeOOH nanotube arrays on catalytically deposited Cu current collector patterns for high-performance flexible in-plane micro-sized energy storage devices. <i>Energy and Environmental Science</i> , 2019, 12, 194-205.	15.6	128
5	Recent progress in the synthesis of graphene and derived materials for next generation electrodes of high performance lithium ion batteries. <i>Progress in Energy and Combustion Science</i> , 2019, 75, 100786.	15.8	379
6	Flexible and high-performance microsupercapacitors with wide temperature tolerance. <i>Nano Energy</i> , 2019, 64, 103938.	8.2	49
7	Versatile Na <sup>Doped</sup> MXene Ink for Printed Electrochemical Energy Storage Application. <i>Advanced Energy Materials</i> , 2019, 9, 1901839.	10.2	301
8	All <sup>Solid</sup> -State Planar Sodium <sup>ion</sup> Microcapacitors with Multidirectional Fast Ion Diffusion Pathways. <i>Advanced Science</i> , 2019, 6, 1902147.	5.6	34
9	Thermally Durable Lithium <sup>ion</sup> Capacitors with High Energy Density from All Hydroxyapatite Nanowire <sup>Enabled</sup> Fire <sup>Resistant</sup> Electrodes and Separators. <i>Advanced Energy Materials</i> , 2019, 9, 1902497.	10.2	34
10	Direct Inkjet Printing of Aqueous Inks to Flexible All-Solid-State Graphene Hybrid Micro-Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46044-46053.	4.0	70
11	One <sup>Step</sup> Scalable Fabrication of Graphene <sup>Integrated</sup> Micro <sup>2</sup> Supercapacitors with Remarkable Flexibility and Exceptional Performance Uniformity. <i>Advanced Functional Materials</i> , 2019, 29, 1902860.	7.8	104
12	A perspective on two-dimensional materials for planar micro-supercapacitors. <i>APL Materials</i> , 2019, 7, .	2.2	28
13	An intelligent and portable power storage device able to visualize the energy status. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23028-23037.	5.2	38
14	Mesopore <sup>Induced</sup> Ultrafast Na <sup>+</sup> Storage in TaNb <sub>2</sub> O <sub>5</sub> /Carbon Nanofiber Films toward Flexible High <sup>Power</sup> Na <sup>ion</sup> Capacitors. <i>Small</i> , 2019, 15, e1804539.	5.2	109
15	The Road Towards Planar Microbatteries and Micro <sup>2</sup> Supercapacitors: From 2D to 3D Device Geometries. <i>Advanced Materials</i> , 2019, 31, e1900583.	11.1	160
16	Healable and shape editable supercapacitors based on shape memory polyurethanes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17456-17465.	5.2	40
17	General Interfacial Self <sup>Assembly</sup> Engineering for Patterning Two <sup>D</sup> Dimensional Polymers with Cylindrical Mesopores on Graphene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10173-10178.	7.2	85
18	General Interfacial Self <sup>Assembly</sup> Engineering for Patterning Two <sup>D</sup> Dimensional Polymers with Cylindrical Mesopores on Graphene. <i>Angewandte Chemie</i> , 2019, 131, 10279-10284.	1.6	25

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19	Construction of NiMoO <sub>4</sub> /CoMoO <sub>4</sub> nanorod arrays wrapped by Ni-Co-S nanosheets on carbon cloth as high performance electrode for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 799, 415-424.	2.8	51
20	Roadmap of in-plane electrochemical capacitors and their advanced integrated systems. <i>Energy Storage Materials</i> , 2019, 21, 219-239.	9.5	30
21	A facile and versatile strategy towards high-performance Si anodes for Li-ion capacitors: Concomitant conductive network construction and dual-interfacial engineering. <i>Nano Energy</i> , 2019, 63, 103824.	8.2	94
22	High-temperature adaptive and robust ultra-thin inorganic all-solid-state smart electrochromic energy storage devices. <i>Nano Energy</i> , 2019, 62, 46-54.	8.2	73
23	Advances on three-dimensional electrodes for micro-supercapacitors: A mini-review. <i>Informa Materials</i> , 2019, 1, 74-84.	8.5	129
24	Lithium ion capacitors (LICs): Development of the materials. <i>Energy Storage Materials</i> , 2019, 19, 314-329.	9.5	180
25	Carbon-based materials for lithium-ion capacitors. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1265-1279.	3.2	94
26	Ionic liquid pre-intercalated MXene films for ionogel-based flexible micro-supercapacitors with high volumetric energy density. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9478-9485.	5.2	120
27	General hybrid asymmetric capacitor model: Validation with a commercial lithium ion capacitor. <i>Journal of Power Sources</i> , 2019, 425, 110-120.	4.0	29
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29	2D hybrid interlayer of electrochemically exfoliated graphene and Co(OH) <sub>2</sub> nanosheet as a bi-functionalized polysulfide barrier for high-performance lithium-sulfur batteries. <i>JPhys Energy</i> , 2019, 1, 015002.	2.3	15
30	Scalable microfabrication of three-dimensional porous interconnected graphene scaffolds with carbon spheres for high-performance all carbon-based micro-supercapacitors. <i>Journal of Materiomics</i> , 2019, 5, 303-312.	2.8	13
31	2D mesoporous MnO <sub>2</sub> nanosheets for high-energy asymmetric micro-supercapacitors in water-in-salt gel electrolyte. <i>Energy Storage Materials</i> , 2019, 18, 397-404.	9.5	140
32	Two-dimensional materials for lithium/sodium-ion capacitors. <i>Materials Today Energy</i> , 2019, 11, 30-45.	2.5	88
33	Few-layer phosphorene: An emerging electrode material for electrochemical energy storage. <i>Applied Materials Today</i> , 2019, 15, 18-33.	2.3	53
34	Printable Fabrication of a Fully Integrated and Self-Powered Sensor System on Plastic Substrates. <i>Advanced Materials</i> , 2019, 31, e1804285.	11.1	148
35	Scalable fabrication of printed Zn//MnO <sub>2</sub> planar micro-batteries with high volumetric energy density and exceptional safety. <i>National Science Review</i> , 2020, 7, 64-72.	4.6	148
36	High-efficiency sacrificial prelithiation of lithium-ion capacitors with superior energy-storage performance. <i>Energy Storage Materials</i> , 2020, 24, 160-166.	9.5	124

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38	Highly conducting, extremely durable, phosphorylated cellulose-based ionogels for renewable flexible supercapacitors. <i>Energy Storage Materials</i> , 2020, 25, 70-75.	9.5	68
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40	On-chip 3D interdigital micro-supercapacitors with ultrahigh areal energy density. <i>Energy Storage Materials</i> , 2020, 27, 17-24.	9.5	54
41	Nitrogen Self-Doped Porous Carbon for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 1585-1592.	2.5	109
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43	Recent Advances and Challenges of Two-Dimensional Materials for High-Energy and High-Power Lithium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2020, 3, 10-29.	2.4	48
44	Recyclable High-Performance Polymer Electrolyte Based on a Modified Methyl Cellulose-Lithium Trifluoromethanesulfonate Salt Composite for Sustainable Energy Systems. <i>ChemSusChem</i> , 2020, 13, 376-384.	3.6	16
45	Substrate-Free and Shapeless Planar Micro-Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1908758.	7.8	57
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54	Inkjet-Printed Ultrathin MoS <sub>2</sub> -Based Electrodes for Flexible In-Plane Microsupercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39444-39454.	4.0	45

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56	Boron Carbonitride Lithium-Ion Capacitors with an Electrostatically Expanded Operating Voltage Window. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47425-47434.	4.0	20
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60	All Pseudocapacitive Nitrogen-Doped Reduced Graphene Oxide and Polyaniline Nanowire Network for High-Performance Flexible On-Chip Energy Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 6845-6852.	2.5	13
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63	Energy density issues of flexible energy storage devices. <i>Energy Storage Materials</i> , 2020, 28, 264-292.	9.5	106
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65	Recent Developments of Planar Micro $\mu$ Supercapacitors: Fabrication, Properties, and Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1910000.	7.8	86
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67	The construction of sea urchin spines-like polypyrrole arrays on cotton-based fabric electrode via a facile electropolymerization for high performance flexible solid-state supercapacitors. <i>Electrochimica Acta</i> , 2020, 354, 136746.	2.6	19
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71	Review of MXene electrochemical microsupercapacitors. <i>Energy Storage Materials</i> , 2020, 27, 78-95.	9.5	223
72	Atomic Modulation Triggering Improved Performance of MoO <sub>3</sub> Nanobelts for Fiber $\mu$ Shaped Supercapacitors. <i>Small</i> , 2020, 16, e1905778.	5.2	38

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95	Recent Developments of Two-Dimensional Anode Materials and Their Composites in Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 7440-7461.	2.5	48
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104	The role and the necessary features of electrolytes for microsupercapacitors. , 2022, , 47-116.		3
105	Recent advances in micro-supercapacitors for AC line-filtering performance: From fundamental models to emerging applications. <i>EScience</i> , 2021, 1, 124-140.	25.0	57
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141	Fast Kinetic Carbon Anode Inherited and Developed from Architectural Designed Porous Aromatic Framework for Flexible Lithium Ion Micro Capacitors. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	7