

# CITATION REPORT

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**Microsupercapacitors as miniaturized energy-storage components for on-chip electronics**

**DOI: 10.1038/nnano.2016.196**  
**Nature Nanotechnology, 2017, 12, 7-15.**

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**Version:** 2024-04-24

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659	Flexible micro-supercapacitors prepared using direct-write nanofibers. <b>2017</b> , 7, 11724-11731		21
658	Titanium vanadium nitride electrode for micro-supercapacitors. <b>2017</b> , 77, 40-43		55
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285	Recent advances in MXene-based nanocomposites for electrochemical energy storage applications. <b>2021</b> , 117, 100733	27
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280	Ultrathin, biomimetic multifunctional leaf-like silver nanowires/Ti3C2Tx MXene/cellulose nanofibrils nanocomposite film for high-performance electromagnetic interference shielding and thermal management. <b>2021</b> , 860, 158151	12
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264	Laser-Assisted Printing of Electrodes Using Metal-Organic Frameworks for Micro-Supercapacitors. <b>2021</b> , 31, 2009057	30
263	Preparation and application of a DNA conjugated electrochromic flexible electrode with side chain carbazole active groups in supercapacitors.	0
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258	Recent progress on pristine two-dimensional metal-organic frameworks as active components in supercapacitors. <b>2021</b> , 50, 11331-11346	47
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253	A First Outlook of Sputtered FeWO <sub>4</sub> Thin Films for Micro-Supercapacitor Electrodes. <b>2021</b> , 168, 030524	2
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251	Hybrid printed three-dimensionally integrated micro-supercapacitors for compact on-chip application. <b>2021</b> , 8, 011401	7
250	3D printing of high-performance micro-supercapacitors with patterned exfoliated graphene/carbon nanotube/silver nanowire electrodes. <b>2021</b> , 64, 1065-1073	9
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248	Understanding the Coffee ring Effect on Self-discharge Behavior of Printed micro-Supercapacitors.	2
247	Regulating Lattice-Water-Adsorbed Ions to Optimize Intercalation Potential in 3D Prussian Blue Based Multi-Ion Microbattery. <b>2021</b> , 17, e2007791	5

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243	A Study of All-solid-state Planar Micro-supercapacitors Using Printable MoS <sub>2</sub> Inks. <b>2021</b> , 50, 452-455	2
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234	Facile and Scalable Fabrication of High-Performance Microsupercapacitors Based on Laser-Scribed Heteroatom-Doped Porous Graphene. <b>2021</b> , 13, 22426-22437	11
233	Printed flexible supercapacitor: Ink formulation, printable electrode materials and applications. <b>2021</b> , 8, 021319	22
232	Amorphous molybdenum sulfide@carbon nanowalls hierarchical structures electrode with large areal capacitance for micro-supercapacitors. <b>2021</b> , 127, 1	
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228	Review on MXene synthesis, properties, and recent research exploring electrode architecture for supercapacitor applications. <b>2021</b> , 45, 19746	7
227	Oxalic acid-induced assembly of Co <sub>x</sub> Ni <sub>1-x</sub> -bimetallic polyaniline nanocomposite: a bifunctional material for supercapacitor and chromium removal applications. 1	0
226	Monolithic flexible supercapacitors drawn with nitrogen-doped carbon nanotube-graphene ink. <b>2021</b> , 139, 111266	6
225	An Aqueous Anti-Freezing and Heat-Tolerant Symmetric Microsupercapacitor with 2.3V Output Voltage. <b>2021</b> , 11, 2101523	10
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223	System-Engineered Miniaturized Robots: From Structure to Intelligence. 2000284	6
222	Recent advances in graphene-based micro-supercapacitors: Processes and applications. 1	2
221	Fully stretchable self-charging power unit with micro-supercapacitor and triboelectric nanogenerator based on oxidized single-walled carbon nanotube/polymer electrodes. <b>2021</b> , 86, 106083	17
220	MXene-carbon nanotubes layer-by-layer assembly based on-chip micro-supercapacitor with improved capacitive performance. <b>2021</b> , 386, 138420	10
219	Vertically-oriented graphene electrode deposited with MnO <sub>2</sub> on native SiO <sub>2</sub> /Si for high-performance supercapacitor electrodes. <b>2021</b> , 895, 115507	4
218	Nano-biosupercapacitors enable autarkic sensor operation in blood. <b>2021</b> , 12, 4967	12
217	A phosphorus integrated strategy for supercapacitor: 2D black phosphorus-doped and phosphorus-doped materials. <b>2021</b> , 21, 100480	6
216	Wearable Supercapacitors, Performance, and Future Trends.	
215	In-situ selective surface engineering of graphene micro-supercapacitor chips. 1	4
214	One-step laser fabrication of phosphorus-doped porous graphene electrodes for high-performance flexible microsupercapacitor. <b>2021</b> , 180, 56-66	19
213	Updated Insights into 3D Architecture Electrodes for Micropower Sources. <b>2021</b> , 33, e2103304	5
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211	Vertical Graphene Arrays as Electrodes for Ultra-High Energy Density AC Line-Filtering Capacitors.	2

210	Engineering 3D Architecture Electrodes for High-Rate Aqueous Zn/Mn Microbatteries. <b>2021</b> , 4, 10414-10422	3
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205	Synchronously manipulating Zn <sup>2+</sup> transfer and hydrogen/oxygen evolution kinetics in MXene host electrodes toward symmetric Zn-ions micro-supercapacitor with enhanced areal energy density. <b>2021</b> , 40, 10-21	18
204	Effects of Precursors and Carbon Nanotubes on Electrochemical Properties of Electrospun Nickel Oxide Nanofibers-Based Supercapacitors. <b>2021</b> , 26,	4
203	Photovoltaic Energy Conversion and Storage of Micro-Supercapacitors Based on Emulsion Self-Assembly of Upconverting Nanoparticles. <b>2021</b> , 7, 1611-1621	4
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197	Chemical Vapor Deposition of Ionic Liquids for the Fabrication of Ionogel Films and Patterns. <b>2021</b> , 133, 25872	
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176	Recent Advances in Design of Flexible Electrodes for Miniaturized Supercapacitors. <b>2020</b> , 4, 1900824	34
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165	Hierarchically Porous, Laser-Pyrolyzed Carbon Electrode from Black Photoresist for On-Chip Microsupercapacitors. <b>2021</b> , 11,	2
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161	Electroless nickel-phosphorus coated expanded graphite paper: Binder-free, ultra-thin, and low-cost electrodes for high-performance supercapacitors. <b>2021</b> , 44, 103364	3
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151	The role and the necessary features of electrolytes for microsupercapacitors. <b>2022</b> , 47-116	0
150	Design and technology processes used for microsupercapacitors. <b>2022</b> , 215-255	
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114	Electrochemically Exfoliated Chlorine-doped Graphene for Flexible All-Solid-State Micro-Supercapacitors with High Volumetric Energy Density.. <b>2022</b> , e2106309	2
113	Ultrafast Electrochemical Capacitors with Carbon Related Materials as Electrodes for AC Line Filtering.. <b>2022</b> ,	1
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111	On-demand solid-state artistic ultrahigh areal energy density microsupercapacitors. <b>2022</b> , 47, 569-578	0
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108	Ultrahigh-energy and -power aqueous rechargeable zinc-ion microbatteries based on highly cation-compatible vanadium oxides. <b>2022</b> , 120, 159-166	3
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101	Conformal coating by liquid route on three-dimensional topology.	
100	Exploring the chemistry of Organic/Water-in-salt Electrolyte in Graphene-polypyrrole based high-voltage (2.4 V) microsupercapacitor. <b>2022</b> , 140499	1
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98	Stacked On-Chip Supercapacitors for Extreme Environments.	0
97	Nanosupercapacitors. <b>2022</b> , 129-146	
96	Planar Microsupercapacitors Based on Oblique Angle Deposited Highly Porous TiN Thin Films.	1
95	Surface-Defect Engineering of Nickel Hexacyanoferrate Material for High-Performance Printed Flexible Supercapacitors.	0
94	A Carbon Nanotube@Silicon based Three-Dimensional Porous Photo-Supercapacitor for Self-Powered UV Detection. <b>2022</b> , 101054	
93	Metallization of Polyphenylene Sulfide by Low-Cost Mussel-Inspired Catechol/Polyamine Surface Modification.	0
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91	On-chip high-energy interdigital micro-supercapacitors with 3D nanotubular array electrodes.	2
90	Energy Storage Applications of MXene. <b>2022</b> , 139-169	
89	Strain-Driven Auto-Detachable Patterning of Flexible Electrodes. 2202877	4
88	Recent Trends in Carbon Nanotube Electrodes for Flexible Supercapacitors: A Review of Smart Energy Storage Device Assembly and Performance. <b>2022</b> , 10, 223	0
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86	Ultra-Foldable Integrated High-Performance In-Plane Micro-Supercapacitors from Laser-Induced Selective Metallization. <b>2022</b> ,	2
85	Ionic Transport and Charge Distribution in Miniaturized Electrochemical Energy Storage Devices by Modeling Investigation.	

84	Recent status and future perspectives of ultracompact and customizable micro-supercapacitors. <b>2022</b> , null	9
83	A Comprehensive Review on Nanocrystalline Coatings: Properties, Challenges and Applications. <b>2022</b> , 8,	1
82	Laser Processing of Flexible In-Plane Micro-supercapacitors: Progresses in Advanced Manufacturing of Nanostructured Electrodes.	4
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78	Surface/interface engineering strategy modulated electrode structure for a flexible quasi-solid-state fiber-shaped NiCo//Bi battery. <b>2022</b> , 26, 101055	
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76	Understanding Synthesis/Structure/Performance Correlations of Nanoarchitected Activated Carbons for Electrochemical Applications and Carbon Capture. 2204714	4
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73	Recent Progress and Challenges in Interdigital Microbatteries: Fabrication, Functionalization and Integration. <b>2022</b> ,	
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66	Stable carbon encapsulated titanium carbide MXene aqueous ink for fabricating high-performance supercapacitors. <b>2022</b> , 53, 51-61	2
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59	Recent Advance in Two-Dimensional MXenes: New Horizons in Flexible Batteries and Supercapacitors Technologies. <b>2022</b> ,	1
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53	Progress and prospects of graphene for in-plane micro-supercapacitors. <b>2022</b> , 37, 781-801	0
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36	Hybrid All-Solid-State Thin-Film Micro-supercapacitor Based on a Pseudocapacitive Amorphous TiO <sub>2</sub> Electrode.	1
35	Inkjet Printing of MnO <sub>2</sub> Nanoflowers on Surface-Modified A4 Paper for Flexible All-Solid-State Microsupercapacitors.	1
34	Sputtered titanium nitride films as pseudocapacitive electrode for on chip micro-supercapacitors. <b>2023</b> , 58, 337-354	0
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