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All-solid-state high-energy planar hybrid micro-supercapacitors based on 2D VN nanosheets and Co(OH)₂ nanoflowers

DOI: 10.1038/s41699-018-0052-8

Npj 2D Materials and Applications, 2018, 2, .

Source: <https://exaly.com/paper-pdf/69334517/citation-report.pdf>

Version: 2024-04-09

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#	Paper	IF	Citations
64	Two-dimensional materials for miniaturized energy storage devices: from individual devices to smart integrated systems. <i>Chemical Society Reviews</i> , 2018 , 47, 7426-7451	58.5	270
63	Two-Dimensional Double Hydroxide Nanoarchitecture with High Areal and Volumetric Capacitance. <i>ACS Omega</i> , 2018 , 3, 7204-7213	3.9	16
62	All-Solid-State Planar Sodium-Ion Microcapacitors with Multidirectional Fast Ion Diffusion Pathways. <i>Advanced Science</i> , 2019 , 6, 1902147	13.6	23
61	On-chip micro/nano devices for energy conversion and storage. <i>Nano Today</i> , 2019 , 28, 100764	17.9	13
60	A perspective on two-dimensional materials for planar micro-supercapacitors. <i>APL Materials</i> , 2019 , 7, 090902	5.7	18
59	General Interfacial Self-Assembly Engineering for Patterning Two-Dimensional Polymers with Cylindrical Mesopores on Graphene. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10173-10178	16.4	53
58	General Interfacial Self-Assembly Engineering for Patterning Two-Dimensional Polymers with Cylindrical Mesopores on Graphene. <i>Angewandte Chemie</i> , 2019 , 131, 10279-10284	3.6	15
57	Roadmap of in-plane electrochemical capacitors and their advanced integrated systems. <i>Energy Storage Materials</i> , 2019 , 21, 219-239	19.4	19
56	Shape-tailorable high-energy asymmetric micro-supercapacitors based on plasma reduced and nitrogen-doped graphene oxide and MoO ₂ nanoparticles. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14328-14337	13.3	37
55	Hybridization design of materials and devices for flexible electrochemical energy storage. <i>Energy Storage Materials</i> , 2019 , 19, 212-241	19.4	114
54	Sp ² -carbon dominant carbonaceous materials for energy conversion and storage. <i>Materials Science and Engineering Reports</i> , 2019 , 137, 1-37	30.9	18
53	Nanostructured ternary metal chalcogenide-based binder-free electrodes for high energy density asymmetric supercapacitors. <i>Nano Energy</i> , 2019 , 57, 307-316	17.1	96
52	Miniaturized Energy Storage Devices Based on Two-Dimensional Materials. <i>ChemSusChem</i> , 2020 , 13, 1420-1446	8.3	15
51	Structural Engineering and Coupling of Two-Dimensional Transition Metal Compounds for Micro-Supercapacitor Electrodes. <i>ACS Central Science</i> , 2020 , 6, 1901-1915	16.8	17
50	Laser-oxidized Fe ₃ O ₄ nanoparticles anchored on 3D macroporous graphene flexible electrodes for ultrahigh-energy in-plane hybrid micro-supercapacitors. <i>Nano Energy</i> , 2020 , 77, 105058	17.1	32
49	Sand-Milling Fabrication of Screen-Printable Graphene Composite Inks for High-Performance Planar Micro-Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56319-56329	9.5	12
48	Bilayered microelectrodes based on electrochemically deposited MnO/polyppyrrrole towards fast charge transport kinetics for micro-supercapacitors.. <i>RSC Advances</i> , 2020 , 10, 18245-18251	3.7	5

47	Reflow Soldering-Resistant Solid-State 3D Micro-Supercapacitors Based on Ionogel Electrolyte for Powering the Internet of Things. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 100551	3.9	11
46	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	6.1	7
45	Recent Developments of Planar Micro-Supercapacitors: Fabrication, Properties, and Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 1910000	15.6	38
44	Asymmetric Pseudocapacitors Based on Interfacial Engineering of Vanadium Nitride Hybrids. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
43	Hierarchical Ordered Dual-Mesoporous Polypyrrole/Graphene Nanosheets as Bi-Functional Active Materials for High-Performance Planar Integrated System of Micro-Supercapacitor and Gas Sensor. <i>Advanced Functional Materials</i> , 2020 , 30, 1909756	15.6	55
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41	Laser patterning of boron carbon nitride electrodes for flexible micro-supercapacitor with remarkable electrochemical stability/capacity. <i>Carbon</i> , 2021 , 171, 750-757	10.4	17
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20	Structures, properties and applications of two-dimensional metal nitrides: From nitride MXene to other metal nitrides. <i>2D Materials</i> ,	5.9	3
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