

Co-Electrodeposited porous PEDOTâ€“CNT microelectrode
micro-supercapacitors with high energy density, high r

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Growth of close-packed crystalline polypyrrole on graphene oxide via in situ polymerization of two-monomer-connected precursors. <i>Nanoscale</i> , 2019, 11, 15641-15646.	2.8	14
2	Design of 2D Self-Supported Hybrid CuSe@PANI Core/Shell Nanosheet Arrays for High-Performance Flexible Microsupercapacitors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29133-29143.	1.5	14
3	Correlation between the interfacial ion dynamics and charge storage properties of poly(ortho-phenylenediamine) electrodes exhibiting high cycling stability. <i>Journal of Power Sources</i> , 2019, 438, 227032.	4.0	9
4	Integration of VS ₂ nanosheets into carbon for high energy density micro-supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020, 823, 151769.	2.8	32
5	PEDOT hollow nanospheres for integrated bifunctional electrochromic supercapacitors. <i>Organic Electronics</i> , 2020, 77, 105497.	1.4	28
6	Progress in supercapacitors: roles of two dimensional nanotubular materials. <i>Nanoscale Advances</i> , 2020, 2, 70-108.	2.2	164
7	Supercapacitors based on (carbon nanostructure)/PEDOT/(eggshell membrane) electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113658.	1.9	25
8	Fabrication of petal-like Ni ₃ S ₂ nanosheets on 3D carbon nanotube foams as high-performance anode materials for Li-ion batteries. <i>Electrochimica Acta</i> , 2020, 331, 135383.	2.6	26
9	Interwoven Nanowire Based On-Chip Asymmetric Microsupercapacitor with High Integrability, Areal Energy, and Power Density. <i>Advanced Energy Materials</i> , 2020, 10, 2001873.	10.2	40
10	Structural Engineering and Coupling of Two-Dimensional Transition Metal Compounds for Micro-Supercapacitor Electrodes. <i>ACS Central Science</i> , 2020, 6, 1901-1915.	5.3	53
11	Capillary force driven printing of asymmetric Na-ion micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22083-22089.	5.2	8
12	3D printed hybrid-dimensional electrodes for flexible micro-supercapacitors with superior electrochemical behaviours. <i>Virtual and Physical Prototyping</i> , 2020, 15, 511-519.	5.3	43
13	A review on the field patents and recent developments over the application of metal organic frameworks (MOFs) in supercapacitors. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213441.	9.5	121
14	Electrodeposited Films of Graphene, Carbon Nanotubes, and Their Mixtures for Supercapacitor Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 10003-10013.	2.4	17
15	Fabrication of a 2.8 V high-performance aqueous flexible fiber-shaped asymmetric micro-supercapacitor based on MnO ₂ /PEDOT:PSS-reduced graphene oxide nanocomposite grown on carbon fiber electrode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19588-19602.	5.2	59
16	Toward Spontaneous Neuronal Differentiation of SH-SY5Y Cells Using Novel Three-Dimensional Electropolymerized Conductive Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57330-57342.	4.0	16
17	Bilayered microelectrodes based on electrochemically deposited MnO ₂ /polypyrrole towards fast charge transport kinetics for micro-supercapacitors. <i>RSC Advances</i> , 2020, 10, 18245-18251.	1.7	10
18	Low-dimensional carbon-based nanomaterials for energy conversion and storage applications. , 2020, , 15-68.		2

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19	Advances of Electrode Materials. , 2020, , 389-389.		1
20	Texture and nanostructural engineering of conjugated conducting and semiconducting polymers. Materials Today Advances, 2020, 8, 100086.	2.5	49
21	High Stable Supercapacitors Based on Poly(2,3-dihydrothieno[3,4- <i>b</i>][1,4]dioxin-2-yl)methanol Nanonet@Nanotube Array by Template-Free Electrochemical Preparation. Journal of the Electrochemical Society, 2020, 167, 100548.	1.3	2
22	Preparation of Porous Carbon Nanofibers with Tailored Porosity for Electrochemical Capacitor Electrodes. Materials, 2020, 13, 729.	1.3	13
23	Hierarchical Ti ₃ C ₂ MXene-derived sodium titanate nanoribbons/PEDOT for signal amplified electrochemical immunoassay of prostate specific antigen. Journal of Electroanalytical Chemistry, 2020, 860, 113869.	1.9	41
24	Janus-faced film with dual function of conductivity and pseudo-capacitance for flexible supercapacitors with ultrahigh energy density. Chemical Engineering Journal, 2020, 388, 124197.	6.6	21
25	Self-assembly of pendant functional groups grafted PEDOT as paracetamol detection material. Physical Chemistry Chemical Physics, 2020, 22, 3592-3603.	1.3	5
26	Boosting the electrochemical performance and reliability of conducting polymer microelectrode via intermediate graphene for on-chip asymmetric micro-supercapacitor. Journal of Energy Chemistry, 2020, 49, 224-232.	7.1	53
27	Stamp-assisted flexible graphene-based micro-supercapacitors. Journal of Power Sources, 2020, 462, 228166.	4.0	27
28	Confinement of single polyoxometalate clusters in molecular-scale cages for improved flexible solid-state supercapacitors. Nanoscale, 2020, 12, 11887-11898.	2.8	31
29	A novel ternary composite aerogel for high-performance supercapacitor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125644.	2.3	16
30	All-MXene Cotton-Based Supercapacitor-Powered Human Body Thermal Management System. ChemElectroChem, 2021, 8, 648-655.	1.7	33
31	Electrode materials and device architecture strategies for flexible supercapacitors in wearable energy storage. Journal of Materials Chemistry A, 2021, 9, 8099-8128.	5.2	93
32	Single Wall Carbon Nanotubes/Polypyrrole Composite Thin Film Electrodes: Investigation of Interfacial Ion Exchange Behavior. Journal of Composites Science, 2021, 5, 25.	1.4	2
33	Poly(<i>ortho</i> -phenylenediamine) overlaid fibrous carbon networks exhibiting a synergistic effect for enhanced performance in hybrid micro energy storage devices. Journal of Materials Chemistry A, 2021, 9, 10487-10496.	5.2	5
34	Electrochemical self-assembled core/shell PEDOT@MoS ₂ composite with ultra-high areal capacitance for supercapacitor. Electrochimica Acta, 2021, 370, 137791.	2.6	11
35	PEDOT-hydroxypropyl- β -cyclodextrin Inclusion Complex as Additive for Epoxy Coating with Enhanced Anticorrosion Performance. International Journal of Electrochemical Science, 2021, 16, 210443.	0.5	2
36	Co-electrodeposited porous poplar flower-like poly(hydroxymethyl-3,4-ethylenedioxythiophene)/PEG/WS ₂ hybrid material for high-performance supercapacitor. Journal of Electroanalytical Chemistry, 2021, 891, 115261.	1.9	4

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37	Facile synthesis of ultrathin ZnCo ₂ O ₄ nanosheets/carbon cloth composite electrode for hybrid supercapacitors with high-rate and excellent reversibility. <i>Materials Letters</i> , 2021, 293, 129636.	1.3	6
38	Advanced Metallic and Polymeric Coatings for Neural Interfacing: Structures, Properties and Tissue Responses. <i>Polymers</i> , 2021, 13, 2834.	2.0	23
39	Volumetric Double-Layer Charge Storage in Composites Based on Conducting Polymer PEDOT and Cellulose. <i>ACS Applied Energy Materials</i> , 2021, 4, 8629-8640.	2.5	10
40	Poly(5- <i>n</i> -tropyndole) Thin Film as Conductive and Adhesive Interfacial Layer for Robust Neural Interface. <i>Advanced Functional Materials</i> , 2021, 31, 2105857.	7.8	15
41	High performance 2D MXene based conducting polymer hybrids: synthesis to emerging applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10193-10215.	2.7	31
42	Electrochemical assembly of homogenized poly(3,4-ethylenedioxythiophene methanol)/SWCNT nano-networks and their high performances for supercapacitor electrodes. <i>Ionics</i> , 2020, 26, 3631-3642.	1.2	17
44	Conducting Polymers-Based Supercapacitors. , 2022, , 486-496.		4
45	Metal-organic framework materials for supercapacitors. <i>Journal of Physics: Conference Series</i> , 2021, 2021, 012008.	0.3	5
46	Fabrication of High-Performance Flexible Supercapacitor Electrodes with Poly(3,4-ethylenedioxythiophene) (PEDOT) Grown on Carbon-Deposited Polyurethane Sponge. <i>Energies</i> , 2021, 14, 7393.	1.6	5
47	Surface acoustic wave sensor based on Au/TiO ₂ /PEDOT with dual response to carbon dioxide and humidity. <i>Analytica Chimica Acta</i> , 2022, 1190, 339264.	2.6	16
48	Flexible and Self-Healable Supercapacitor with High Capacitance Restoration. <i>ACS Applied Energy Materials</i> , 2022, 5, 2211-2220.	2.5	18
49	Capacitive studies of electrodeposited PEDOT-maleimide. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8440-8458.	5.2	7
50	Layer-by-Layer Electrode Fabrication for Improved Performance of Porous Polyimide-Based Supercapacitors. <i>Materials</i> , 2022, 15, 4.	1.3	5
51	Cobalt vanadium chalcogenide microspheres decorated with dendrite-like fiber nanostructures for flexible wire-typed energy conversion and storage microdevices. <i>Nanoscale</i> , 2022, 14, 9150-9168.	2.8	13
52	Space-Partitioning and metal coordination in Free-Standing Covalent organic framework Nano-Films: Over 230 mWh/cm ³ energy density for flexible in-Plane Micro-Supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 447, 137447.	6.6	10
53	Ultra-sensitive and Quick-responsive Hybrid Supercapacitive Iontronic Pressure Sensor for Intuitive Electronics and Artificial Tactile Applications. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	9
54	Microsized Electrochemical Energy Storage Devices and Their Fabrication Techniques For Portable Applications. <i>Advanced Materials Technologies</i> , 2023, 8, .	3.0	11
55	Interdigital MnO ₂ /PEDOT Alternating Stacked Microelectrodes for High-Performance On-Chip Microsupercapacitor and Humidity Sensing. <i>Energy and Environmental Materials</i> , 0, , .	7.3	9

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56	Bending Resistance Covalent Organic Framework Superlattice: "Nano-Hourglass"-Induced Charge Accumulation for Flexible In-Plane Micro-Supercapacitors. Nano-Micro Letters, 2023, 15, .	14.4	12
57	Sustainability of current state-of-the-art supercapacitors: a case study. , 2023, , 713-744.		0
58	Advances on Microsupercapacitors: Real Fast Miniaturized Devices toward Technological Dreams for Powering Embedded Electronics?. ACS Omega, 2023, 8, 8977-8990.	1.6	6
59	Carbon nanostructures for energy generation and storage. , 2023, , 57-94.		0
66	Advancements in silicon carbide-based supercapacitors: materials, performance, and emerging applications. Nanoscale, 0, , .	2.8	0