

CITATION REPORT

List of articles citing

Flexible Solid-State Supercapacitor Based on a Metal-Organic Framework Interwoven by Electrochemically-Deposited PANI

DOI: 10.1021/jacs.5b01613

Journal of the American Chemical Society, 2015, 137, 4920-3.

Source: <https://exaly.com/paper-pdf/62186140/citation-report.pdf>

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
758	Polyoxometalate-Based MetalOrganic Frameworks with Conductive Polypyrrole for Supercapacitors.		
757	Weak Intermolecular Interactions in Covalent Organic Framework-Carbon Nanofiber Based Crystalline yet Flexible Devices.		
756	Three-Dimensional Networked MetalOrganic Frameworks with Conductive Polypyrrole Tubes for Flexible Supercapacitors.		
755	Nanocomposites Containing Keggin Anions Anchored on Pyrazine-Based Frameworks for Use as Supercapacitors and Photocatalysts.		
754	Conjugated Microporous Polymer Films: Designed Synthesis, Conducting Properties, and Photoenergy Conversions. 2015 , 127, 13798-13802		40
753	Conjugated Microporous Polymer Films: Designed Synthesis, Conducting Properties, and Photoenergy Conversions. 2015 , 54, 13594-8		151
752	Combination of porous silica monolith and gold thin films for electrode material of supercapacitor. 2015 , 2, 125001		
751	Formation of Foam-like Microstructural Carbon Material by Carbonization of Porous Coordination Polymers through a Ligand-Assisted Foaming Process. 2015 , 21, 13278-83		9
750	Quick synthesis of zeolitic imidazolate framework microflowers with enhanced supercapacitor and electrocatalytic performances. 2015 , 5, 58772-58776		45
749	Flexible carbon cloth based polypyrrole for an electrochemical supercapacitor. 2015 , 26, 6373-6379		18
748	Exploration and progress of high-energy supercapacitors and related electrode materials. 2015 , 58, 1851-1863		13
747	Al-coordination polymer-derived nanoporous nitrogen-doped carbon microfibers as metal-free catalysts for oxygen electroreduction and acetalization reactions. 2015 , 3, 23716-23724		49
746	Combination effect of ionic liquid components on the structure and properties in 1,4-benzenedicarboxylate based zinc metal-organic frameworks. 2015 , 44, 17980-9		22
745	Hierarchically structured layered-double-hydroxide@zeolitic-imidazolate-framework derivatives for high-performance electrochemical energy storage. 2016 , 4, 12526-12534		65
744	Tailorable pseudocapacitors for energy storage clothes. 2016 , 6, 67764-67770		3
743	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. 2016 , 128, 3101-3105		22
742	Nitrogen-Doped Nanoporous Carbons through Direct Carbonization of a Metal-Biomolecule Framework for Supercapacitor. 2016 , 34, 203-209		5

741	A Simple Approach to Boost Capacitance: Flexible Supercapacitors Based on Manganese Oxides@MOFs via Chemically Induced In Situ Self-Transformation. 2016 , 28, 5242-8	190
740	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. 2016 , 55, 3049-53	95
739	Plasma-Induced Polyaniline Grafted on Carbon Nanotube-embedded Carbon Nanofibers for High-Performance Supercapacitors. 2016 , 212, 130-140	33
738	Fabrication of Reduced Graphene Oxide Based UltraHigh Cycle Life Flexible Fiber Supercapacitor with Different Modes. 2016 , 1, 6476-6484	7
737	Zeolite CAN and AFI-Type Zeolitic Imidazolate Frameworks with Large 12-Membered Ring Pore Openings Synthesized Using Bulky Amides as Structure-Directing Agents. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16232-16235	16.4 39
736	A Highly Conductive and Hierarchical PANI Micro/nanostructure and Its Supercapacitor Application. 2016 , 222, 701-708	35
735	Flexible-wire shaped all-solid-state supercapacitors based on facile electropolymerization of polythiophene with ultra-high energy density. 2016 , 4, 7406-7415	65
734	Ionothermal synthesis, structures, properties of cobalt-1,4-benzenedicarboxylate metalorganic frameworks. 2016 , 238, 217-222	20
733	Carbon nanotube/dendrimer hybrids as electrodes for supercapacitors. 2016 , 20, 1991-2000	5
732	Flexible solid-state supercapacitor fabricated by metal-organic framework/graphene oxide hybrid interconnected with PEDOT. 2016 , 179, 166-173	68
731	(Metal-Organic Framework)-Polyaniline sandwich structure composites as novel hybrid electrode materials for high-performance supercapacitor. 2016 , 316, 176-182	102
730	Asymmetric supercapacitor based on flexible TiC/CNF felt supported interwoven nickel-cobalt binary hydroxide nanosheets. 2016 , 317, 57-64	42
729	A copper(II)-based MOF film for highly efficient visible-light-driven hydrogen production. 2016 , 4, 7174-7177	45
728	An amphiphilic blockgraft copolymer electrolyte: synthesis, nanostructure, and use in solid-state flexible supercapacitors. 2016 , 4, 7848-7858	23
727	A high-temperature flexible supercapacitor based on pseudocapacitive behavior of FeOOH in an ionic liquid electrolyte. 2016 , 4, 8316-8327	105
726	Nanosized inorganic porous materials: fabrication, modification and application. 2016 , 4, 16756-16770	34
725	High capacity supercapacitor material based on reduced graphene oxide loading mesoporous murdochite-type Ni ₆ MnO ₈ nanospheres. 2016 , 219, 284-294	18
724	High performance, flexible, poly(3,4-ethylenedioxythiophene) supercapacitors achieved by doping redox mediators in organogel electrolytes. 2016 , 332, 413-419	30

723	Brick-and-mortar β sandwiched porous carbon building constructed by metal-organic framework and graphene: Ultrafast charge/discharge rate up to 2 V s $^{-1}$ for supercapacitors. 2016 , 30, 84-92	69
722	In-Situ Fabrication of Graphene Oxide Hybrid Ni-Based Metal-Organic Framework (Ni-MOFs@GO) with Ultrahigh Capacitance as Electrochemical Pseudocapacitor Materials. 2016 , 8, 28904-28916	134
721	Phase-Separated Polyaniline/Graphene Composite Electrodes for High-Rate Electrochemical Supercapacitors. 2016 , 28, 10211-10216	103
720	Partitioning MOF-5 into Confined and Hydrophobic Compartments for Carbon Capture under Humid Conditions. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10100-3	16.4 159
719	Bridging of Ultrathin NiCo ₂ O ₄ Nanosheets and Graphene with Polyaniline: A Theoretical and Experimental Study. 2016 , 28, 5855-5863	96
718	Flexible solid β tate supercapacitor of metal β rganic framework coated on carbon nanotube film interconnected by electrochemically -codeposited PEDOT-GO. 2016 , 1, 285-289	44
717	Electrochemical capacitors: mechanism, materials, systems, characterization and applications. 2016 , 45, 5925-5950	2202
716	Superior Charge Storage and Power Density of a Conducting Polymer-Modified Covalent Organic Framework. 2016 , 2, 667-673	274
715	Polyaniline (PANi) based electrode materials for energy storage and conversion. 2016 , 1, 225-255	242
714	Synthesis of Ag Anchored Ag ₃ VO ₄ Stacked Nanosheets: Toward a Negative Electrode Material for High-Performance Asymmetric Supercapacitor Devices. 2016 , 120, 18963-18970	16
713	Controllable synthesis of Ni-Co nanosheets covered hollow box via altering the concentration of nitrate for high performance supercapacitor. 2016 , 215, 500-505	48
712	Electro-synthesized Ni coordination supermolecular-networks-coated exfoliated graphene composite materials for high-performance asymmetric supercapacitors. 2016 , 4, 16476-16483	20
711	Textile-Based Electrochemical Energy Storage Devices. 2016 , 6, 1600783	216
710	High-Performance Flexible Solid-State Ni/Fe Battery Consisting of Metal Oxides Coated Carbon Cloth/Carbon Nanofiber Electrodes. 2016 , 6, 1601034	213
709	Nitrogen-doped reduced graphene oxide and aniline based redox additive electrolyte for a flexible supercapacitor. 2016 , 6, 67898-67909	25
708	Thermally Chargeable Solid-State Supercapacitor. 2016 , 6, 1600546	107
707	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. 2016 , 55, 8228-34	138
706	Layered nickel metal β rganic framework for high performance alkaline battery-supercapacitor hybrid devices. 2016 , 4, 13344-13351	180

705	Synthesis of Monocrystalline Nanoframes of Prussian Blue Analogues by Controlled Preferential Etching. 2016 , 128, 8368-8374	25
704	Fabrication of flexible fiber supercapacitor using covalently grafted CoFe ₂ O ₄ /reduced graphene oxide/polyaniline and its electrochemical performances. 2016 , 213, 469-481	92
703	Large areal mass, flexible and freestanding polyaniline/bacterial cellulose/graphene film for high-performance supercapacitors. 2016 , 6, 107426-107432	25
702	Facile synthesis of an accordion-like Ni-MOF superstructure for high-performance flexible supercapacitors. 2016 , 4, 19078-19085	305
701	Facile and Scale Up Synthesis of Red Phosphorus-Graphitic Carbon Nitride Heterostructures for Energy and Environment Applications. 2016 , 6, 27713	45
700	Hierarchical cerium oxide derived from metal-organic frameworks for high performance supercapacitor electrodes. 2016 , 222, 773-780	85
699	3 D Interlayer Nanohybrids Composed of Sulfamic-Acid-Doped PEdot Grown on Expanded Graphite for High-Performance Supercapacitors. 2016 , 81, 242-250	10
698	Metal Organic Framework-Derived Metal Phosphates as Electrode Materials for Supercapacitors. 2016 , 6, 1501833	165
697	Ultrahigh performance supercapacitors utilizing core-shell nanoarchitectures from a metal-organic framework-derived nanoporous carbon and a conducting polymer. 2016 , 7, 5704-5713	201
696	Facile synthesis of novel metal-organic nickel hydroxide nanorods for high performance supercapacitor. 2016 , 211, 595-602	85
695	Electrodeposition of polypyrrole on carbon nanotube-coated cotton fabrics for all-solid flexible supercapacitor electrodes. 2016 , 6, 13359-13364	40
694	One-step electrospinning of carbon nanowebbs on metallic textiles for high-capacitance supercapacitor fabrics. 2016 , 4, 6802-6808	66
693	High performance electrochemical capacitor materials focusing on nickel based materials. 2016 , 3, 175-202	238
692	Adjust the electrochemical performances of graphene oxide nanosheets-loaded poly(3,4-ethylenedioxythiophene) composites for supercapacitors with ultralong cycle life. 2016 , 27, 2773-2782	12
691	Electroactive ion exchange materials: current status in synthesis, applications and future prospects. 2016 , 4, 6236-6258	65
690	Discovery of a Bipolar Charging Mechanism in the Solid-State Electrochemical Process of a Flexible Metal-Organic Framework. 2016 , 28, 1298-1303	84
689	Inorganic and organic hybrid solid electrolytes for lithium-ion batteries. 2016 , 18, 4236-4258	79
688	Electrochemical deposition of zeolitic imidazolate framework electrode coatings for supercapacitor electrodes. 2016 , 197, 228-240	95

- 687 Exploiting redox activity in metal-organic frameworks: concepts, trends and perspectives. **2016**, 52, 8957-71 231
- 686 Encapsulation of metal layers within metal-organic frameworks as hybrid thin films for selective catalysis. **2016**, 9, 158-164 36
- 685 Towards sustainable solid-state supercapacitors: electroactive conducting polymers combined with biohydrogels. **2016**, 4, 1792-1805 79
- 684 Metal organic frameworks for energy storage and conversion. **2016**, 2, 35-62 386
- 683 Bifunctional Nitrogen-Doped Microporous Carbon Microspheres Derived from Poly(o-methylaniline) for Oxygen Reduction and Supercapacitors. **2016**, 8, 3601-8 75
- 682 Metal-organic frameworks for energy storage: Batteries and supercapacitors. **2016**, 307, 361-381 878
- 681 Cobalt oxide and N-doped carbon nanosheets derived from a single two-dimensional metal-organic framework precursor and their application in flexible asymmetric supercapacitors. **2017**, 2, 99-105 183
- 680 Direct white-light-emitting and near-infrared phosphorescence of zeolitic imidazolate framework-8. **2017**, 53, 1801-1804 73
- 679 Materials Design and System Construction for Conventional and New-Concept Supercapacitors. **2017**, 4, 1600382 289
- 678 Electrospun metal-organic framework derived hierarchical carbon nanofibers with high performance for supercapacitors. **2017**, 53, 1751-1754 150
- 677 Metal-Organic Frameworks for Energy Applications. **2017**, 2, 52-80 737
- 676 A Ni/Zn bi-metallic coordination supramolecular network applied for high performance energy storage material. **2017**, 228, 233-240 13
- 675 Rational Design of Metal-Organic Framework Derived Hollow NiCo₂O₄ Arrays for Flexible Supercapacitor and Electrocatalysis. **2017**, 7, 1602391 650
- 674 Palladium nanoparticles supported on a carbazole functionalized mesoporous organic polymer: synthesis and their application as efficient catalysts for the Suzuki-Miyaura cross coupling reaction. **2017**, 8, 1488-1494 21
- 673 Waterproof, Ultrahigh Areal-Capacitance, Wearable Supercapacitor Fabrics. **2017**, 29, 1606679 249
- 672 Electrochemical and viscoelastic evolution of dodecyl sulfate-doped polypyrrole films during electrochemical cycling. **2017**, 233, 262-273 15
- 671 High-Performance Energy Storage and Conversion Materials Derived from a Single Metal-Organic Framework/Graphene Aerogel Composite. **2017**, 17, 2788-2795 289
- 670 Conductive silver nanowires-fenced carbon cloth fibers-supported layered double hydroxide nanosheets as a flexible and binder-free electrode for high-performance asymmetric supercapacitors. **2017**, 36, 58-67 222

669	Ball-in-cage nanocomposites of metal-organic frameworks and three-dimensional carbon networks: synthesis and capacitive performance. 2017 , 9, 6478-6485	32
668	Nickel metal-organic framework nanoparticles as electrode materials for Li-ion batteries and supercapacitors. 2017 , 21, 2415-2423	44
667	Two-dimensional CoNi nanoparticles@S,N-doped carbon composites derived from S,N-containing Co/Ni MOFs for high performance supercapacitors. 2017 , 5, 9873-9881	52
666	Polyaniline-Carbon Nanotubes@Zeolite Imidazolate Framework@Carbon Cloth Hierarchical Nanostructures for Supercapacitor Electrode. 2017 , 240, 16-23	64
665	High energy density asymmetric supercapacitors based on MOF-derived nanoporous carbon/manganese dioxide hybrids. 2017 , 322, 582-589	57
664	Electrochemical Growth of Polyaniline Nanowire Arrays on Graphene Sheets in Partially Exfoliated Graphite Foil for High-Performance Supercapacitive Materials. 2017 , 240, 72-79	19
663	Lanthanide Metal-Organic Framework Microrods: Colored Optical Waveguides and Chiral Polarized Emission. 2017 , 56, 7853-7857	190
662	MnO ₂ nanograsses on porous carbon cloth for flexible solid-state asymmetric supercapacitors with high energy density. 2017 , 8, 127-133	71
661	Transition-Metal (Fe, Co, Ni) Based Metal-Organic Frameworks for Electrochemical Energy Storage. 2017 , 7, 1602733	582
660	Lanthanide Metal-Organic Framework Microrods: Colored Optical Waveguides and Chiral Polarized Emission. 2017 , 129, 7961-7965	36
659	Metal-Organic Framework-Derived Non-Precious Metal Nanocatalysts for Oxygen Reduction Reaction. 2017 , 7, 1700363	228
658	Carbon Nanotubes on Highly Interconnected Carbonized Cotton for Flexible and Light-Weight Energy Storage. 2017 , 1, 1700022	17
657	Modifying Commercial Carbon with Trace Amounts of ZIF to Prepare Derivatives with Superior ORR Activities. 2017 , 29, 1701354	82
656	Rapid synthesis of self-supported three-dimensional bubble-like graphene frameworks as high-performance electrodes for supercapacitors. 2017 , 1, 1557-1567	20
655	Design of carbon materials with ultramicro-, supermicro- and mesopores using solvent- and self-template strategy for supercapacitors. 2017 , 253, 1-9	79
654	Exploring metal organic frameworks for energy storage in batteries and supercapacitors. 2017 , 20, 191-209	290
653	Conductive Metal-Organic Framework Nanowire Array Electrodes for High-Performance Solid-State Supercapacitors. 2017 , 27, 1702067	325
652	High performance solid-state flexible supercapacitor based on Fe ₃ O ₄ /carbon nanotube/polyaniline ternary films. 2017 , 5, 11271-11277	93

651	A superhydrophilic nanoglue for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. 2017 , 10, 1958-1965	228
650	Layered manganese-based metal-organic framework as a high capacity electrode material for supercapacitors. 2017 , 7, 29611-29617	48
649	Pseudocapacitive-dye-molecule-based high-performance flexible supercapacitors. 2017 , 9, 9879-9885	13
648	Flexible Supercapacitors Based on Polyaniline Arrays Coated Graphene Aerogel Electrodes. 2017 , 12, 394	49
647	A metal-organic framework and conducting polymer based electrochemical sensor for high performance cadmium ion detection. 2017 , 5, 8385-8393	190
646	Fabrication of Hierarchical Porous Metal-Organic Framework Electrode for Aqueous Asymmetric Supercapacitor. 2017 , 5, 4144-4153	74
645	Hierarchical flower-like nickel phenylphosphonate microspheres and their calcined derivatives for supercapacitor electrodes. 2017 , 5, 7474-7481	42
644	Rendering High Surface Area, Mesoporous Metal-Organic Frameworks Electronically Conductive. 2017 , 9, 12584-12591	78
643	Assembling nitrogen and oxygen co-doped graphene quantum dots onto hierarchical carbon networks for all-solid-state flexible supercapacitors. 2017 , 235, 561-569	62
642	Three-dimensional macroporous carbon supported hierarchical ZnO-NiO nanosheets for electrochemical glucose sensing. 2017 , 698, 800-806	36
641	Metal-organic framework/sulfonated polythiophene on carbon cloth as a flexible counter electrode for dye-sensitized solar cells. 2017 , 32, 19-27	90
640	Redox-active organic molecules functionalized nitrogen-doped porous carbon derived from metal-organic framework as electrode materials for supercapacitor. 2017 , 223, 74-84	69
639	Nickel foam supported hierarchical Co ₉ S ₈ nanostructures for asymmetric supercapacitors. 2017 , 41, 1142-1148	41
638	Three-Dimensional Networked Metal-Organic Frameworks with Conductive Polypyrrole Tubes for Flexible Supercapacitors. 2017 , 9, 38737-38744	228
637	Highly-Efficient Dendritic Cable Electrodes for Flexible Supercapacitive Fabric. 2017 , 9, 40207-40214	17
636	Emerging crystalline porous materials as a multifunctional platform for electrochemical energy storage. 2017 , 46, 6927-6945	258
635	Fabrication of an advanced asymmetric supercapacitor based on a microcubical PB@MnO ₂ hybrid and PANI/GNP composite with excellent electrochemical behaviour. 2017 , 5, 22242-22254	62
634	Metal-Organic Frameworks and Their Composites: Synthesis and Electrochemical Applications. 2017 , 1, 1700187	119

633	Incorporation of metal-organic framework in polymer membrane enhances vanadium flow battery performance. 2017 , 257, 243-249	28
632	Hierarchical mesoporous Co ₃ O ₄ /C@MoS ₂ core-shell structured materials for electrochemical energy storage with high supercapacitive performance. 2017 , 233, 101-110	26
631	Hierarchical and hybrid RGO/ZIF-8 nanocomposite as electrochemical sensor for ultrasensitive determination of dopamine. 2017 , 801, 496-502	55
630	Synthesis of oriented coral-like polyaniline nano-arrays for flexible all-solid-state supercapacitor. 2017 , 232, 87-95	12
629	Facile Preparation of Varisized ZIF-8 and ZIF-8/Polypyrrole Composites for Flexible Solid-State Supercapacitor. 2017 , 2, 7530-7534	1
628	Color-tunable entangled coordination polymers based on long flexible bis(imidazole) ligands and phenylenediacetate. 2017 , 41, 12139-12146	9
627	Recent Progress on Flexible and Wearable Supercapacitors. 2017 , 13, 1701827	260
626	Multidimensional performance optimization of conducting polymer-based supercapacitor electrodes. 2017 , 1, 1857-1874	97
625	High performance all-solid-state symmetric supercapacitor based on porous carbon made from a metal-organic framework compound. 2017 , 364, 9-15	58
624	Degradation-induced capacitance: a new insight into the superior capacitive performance of polyaniline/graphene composites. 2017 , 10, 2372-2382	99
623	Composites of hierarchical metal-organic framework derived nitrogen-doped porous carbon and interpenetrating 3D hollow carbon spheres from lotus pollen for high-performance supercapacitors. 2017 , 41, 12835-12842	15
622	Nanocomposite of ZIF-67 metal-organic framework with reduced graphene oxide nanosheets for high-performance supercapacitor applications. 2017 , 28, 18040-18048	47
621	Conjugated polymer-mediated synthesis of nitrogen-doped carbon nanoribbons for oxygen reduction reaction. 2017 , 124, 630-636	35
620	Nanocoating covalent organic frameworks on nickel nanowires for greatly enhanced-performance supercapacitors. 2017 , 28, 33LT01	29
619	Synthesis of polyaniline/Fe ₂ O ₃ nanocomposite electrode material for supercapacitor applications. 2017 , 12, 72-78	26
618	Explosives in the Cage: Metal-Organic Frameworks for High-Energy Materials Sensing and Desensitization. 2017 , 29, 1701898	90
617	A series of transition metal coordination polymers based on a rigid bi-functional carboxylate-triazolate tecton. 2017 , 19, 4586-4594	10
616	Chemical crosslinking engineered nitrogen-doped carbon aerogels from polyaniline-boric acid-polyvinyl alcohol gels for high-performance electrochemical capacitors. 2017 , 123, 471-480	37

615	CoxZn1-x ZIF-derived binary Co3O4/ZnO wrapped by 3D reduced graphene oxide for asymmetric supercapacitor: Comparison of pure and heat-treated bimetallic MOF. 2017 , 43, 14413-14425	76
614	Hierarchical metal-organic framework derived nitrogen-doped porous carbon/graphene composite for high performance supercapacitors. 2017 , 248, 215-224	34
613	A Metal-Free Covalent Organic Polymer for Electrocatalytic Hydrogen Evolution. 2017 , 7, 6120-6127	120
612	Combination effect of ligands and ionic liquid components on the structure and properties of manganese metal-organic frameworks. 2017 , 19, 5402-5411	8
611	Direct growth of nickel terephthalate on Ni foam with large mass-loading for high-performance supercapacitors. 2017 , 5, 19323-19332	48
610	Ultrathin metal-organic framework array for efficient electrocatalytic water splitting. 2017 , 8, 15341	794
609	Metal-organic frameworks based on halogen-bridged dinuclear-Cu-nodes as promising materials for high performance supercapacitor electrodes. 2017 , 19, 7177-7184	22
608	A new Tb(III)-functionalized layer-like Cd MOF as luminescent probe for high-selectively sensing of Cr3+. 2017 , 19, 7270-7276	28
607	Multifunctional Prussian blue analogous@polyaniline core-shell nanocubes for lithium storage and overall water splitting. 2017 , 7, 50812-50821	24
606	Porphyritic metal-organic framework/macroporous carbon composites for electrocatalytic applications. 2017 , 247, 41-49	29
605	N-doped porous reduced graphene oxide as an efficient electrode material for high performance flexible solid-state supercapacitor. 2017 , 8, 141-149	55
604	Flexible all-solid-state supercapacitors based on polyaniline orderly nanotubes array. 2017 , 9, 193-200	92
603	Layered Structural Co-Based MOF with Conductive Network Frames as a New Supercapacitor Electrode. 2017 , 23, 631-636	183
602	High-Performance Supercapacitor Based on Polyaniline/Poly(vinylidene fluoride) Composite with KOH. 2017 , 5, 588-598	8
601	Wearable Thermoelectric Power Generators Combined With Flexible Supercapacitor for Low-Power Human Diagnosis Devices. 2017 , 64, 1477-1485	67
600	Energy Storage Devices Based on Polymers. 2017 , 197-242	8
599	A Flexible Stretchable Hydrogel Electrolyte for Healable All-in-One Configured Supercapacitors. 2018 , 14, e1704497	158
598	A dual Ni/Co-MOF-reduced graphene oxide nanocomposite as a high performance supercapacitor electrode material. 2018 , 275, 76-86	170

597	Seven luminescent metal-organic frameworks constructed from 5-(triazol-1-yl)nicotinic acid: luminescent sensors for Cr(VI) and MnO ₄ ⁻ ions in an aqueous medium. 2018 , 42, 9865-9875	32
596	Lanthanide(Tb ³⁺ , Eu ³⁺)-functionalized a new one dimensional Zn-MOF composite as luminescent probe for highly selectively sensing Fe ³⁺ . 2018 , 148, 178-183	18
595	Flower-like Cu _{1.8} S nanostructures for high-performance flexible solid-state supercapacitors. 2018 , 448, 547-558	21
594	Intercalated graphene oxide for flexible and practically large thermoelectric voltage generation and simultaneous energy storage. 2018 , 48, 582-589	30
593	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage. 2018 , 8, 1703259	479
592	A novel adenine-based metal organic framework derived nitrogen-doped nanoporous carbon for flexible solid-state supercapacitor. 2018 , 5, 171028	6
591	Conjugated Polymers for Flexible Energy Harvesting and Storage. 2018 , 30, e1704261	117
590	Nitrogen doped carbon derived from polyimide/multiwall carbon nanotube composites for high performance flexible all-solid-state supercapacitors. 2018 , 380, 55-63	42
589	Hierarchical Co ₃ O ₄ /PANI hollow nanocages: Synthesis and application for electrode materials of supercapacitors. 2018 , 441, 194-203	134
588	Towards flexible solid-state supercapacitors for smart and wearable electronics. 2018 , 47, 2065-2129	936
587	Engineering a Zirconium MOF through Tandem "Click" Reactions: A General Strategy for Quantitative Loading of Bifunctional Groups on the Pore Surface. 2018 , 57, 2288-2295	22
586	A high-capacitance flexible solid-state supercapacitor based on polyaniline and Metal-Organic Framework (UiO-66) composites. 2018 , 379, 350-361	99
585	Recent advancements in metal organic framework based electrodes for supercapacitors. 2018 , 61, 159-184	62
584	Free-Standing Hybrid Graphene Paper Encapsulating Nanostructures for High Cycle-Life Supercapacitors. 2018 , 11, 907-915	12
583	NiCo ₂ O ₄ grown on Co/C hybrid nanofiber film with excellent electrochemical performance for flexible supercapacitor electrodes. 2018 , 29, 6909-6915	11
582	Facile synthesis of cuboid Ni-MOF for high-performance supercapacitors. 2018 , 53, 6807-6818	121
581	Fabrication of hierarchical porous nickel based metal-organic framework (Ni-MOF) constructed with nanosheets as novel pseudo-capacitive material for asymmetric supercapacitor. 2018 , 518, 57-68	162
580	Fabrication of polyanilinefew-layer MoS ₂ nanocomposite for high energy density supercapacitors. 2018 , 75, 4359-4375	30

579	A core/shell structured tubular graphene nanoflake-coated polypyrrole hybrid for all-solid-state flexible supercapacitors. 2018 , 6, 3913-3918	69
578	Fabrication of hybrid supercapacitor based on rod-like HKUST-1@polyaniline as cathode and reduced graphene oxide as anode. 2018 , 99, 16-23	37
577	Covalent organic framework-derived microporous carbon nanoparticles coated with conducting polypyrrole as an electrochemical capacitor. 2018 , 439, 833-838	37
576	Rationally designed ultrathin Ni-Al layered double hydroxide and graphene heterostructure for high-performance asymmetric supercapacitor. 2018 , 740, 1051-1059	56
575	Controlled synthesis of Ni(OH) ₂ /MoS ₂ nanohybrids for high-performance supercapacitors. 2018 , 209, 291-297	26
574	Solid-State Supercapacitor Fabricated in a Single Woven Textile Layer for E-Textiles Applications. 2018 , 20, 1700860	34
573	Cobalt@Nitrogen-Doped Porous Carbon Fiber Derived from the Electrospun Fiber of Bimetal@Organic Framework for Highly Active Oxygen Reduction. 2018 , 2, 1800049	75
572	Ni ₂ P ₂ O ₇ Nanoarrays with Decorated C ₃ N ₄ Nanosheets as Efficient Electrode for Supercapacitors. 2018 , 1, 2016-2023	26
571	In-situ growth of high-performance all-solid-state electrode for flexible supercapacitors based on carbon woven fabric/ polyaniline/ graphene composite. 2018 , 384, 278-286	55
570	Design of Open-Shell Conjugated Microporous Polymer Film with Super-High Conductivity. 2018 , 219, 1700600	2
569	MOF-74 derived porous hybrid metal oxide hollow nanowires for high-performance electrochemical energy storage. 2018 , 6, 8396-8404	72
568	Encapsulation of platinum nanoparticles into a series of zirconium-based metal-organic frameworks: Effect of the carrier structures on electrocatalytic performances of composites. 2018 , 815, 198-209	14
567	Three-dimensional NiCo ₂ O ₄ @NiCo ₂ O ₄ core-shell nanocones arrays for high-performance supercapacitors. 2018 , 344, 311-319	125
566	Wearable superhigh energy density supercapacitors using a hierarchical ternary metal selenide composite of CoNiSe ₂ microspheres decorated with CoFe ₂ Se ₄ nanorods. 2018 , 6, 7439-7448	107
565	3D Hybrids of Interconnected Porous Carbon Nanosheets/Vertically Aligned Polyaniline Nanowires for High-Performance Supercapacitors. 2018 , 5, 1800106	26
564	Supercapacitors based on metal coordination materials. 2018 , 373, 2-21	180
563	P-type conductive polymer/zeolitic imidazolate framework-67 (ZIF-67) nanocomposite film: Synthesis, characterization, and electrochemical performance as efficient electrode materials in pseudocapacitors. 2018 , 509, 189-194	57
562	V ₂ O ₅ / nitrogen enriched mesoporous carbon spheres nanocomposite as supercapacitor electrode. 2018 , 258, 83-94	32

561	A hydrogel-mediated scalable strategy toward core-shell polyaniline/poly(acrylic acid)-modified carbon nanotube hybrids as efficient electrodes for supercapacitor applications. 2018 , 436, 189-197	17
560	A high-performance electrochemical supercapacitor based on a polyaniline/reduced graphene oxide electrode and a copper(ii) ion active electrolyte. 2017 , 20, 131-136	34
559	Metal organic frameworks-derived porous carbons/ruthenium oxide composite and its application in supercapacitor. 2018 , 735, 1673-1681	20
558	A novel two-dimensional coordination polymer-polypyrrole hybrid material as a high-performance electrode for flexible supercapacitor. 2018 , 334, 2547-2557	69
557	Confinement effect of natural hollow fibers enhances flexible supercapacitor electrode performance. 2018 , 260, 204-211	16
556	Metal-Organic Framework-Derived Materials for Sodium Energy Storage. 2018 , 14, 1702648	102
555	Realizing High Capacitance and Rate Capability in Polyaniline by Enhancing the Electrochemical Surface Area through Induction of Superhydrophilicity. 2018 , 10, 676-686	32
554	Laser-Printed In-Plane Micro-Supercapacitors: From Symmetric to Asymmetric Structure. 2018 , 10, 723-732	27
553	Electropolymerization of Aniline on Nickel-Based Electrocatalysts Substantially Enhances Their Performance for Hydrogen Evolution. 2018 , 1, 3-8	44
552	Hierarchical porous organic polymer as an efficient metal-free catalyst for acetalization of carbonyl compounds with alcohols. 2018 , 451, 43-50	11
551	Pristine Metal-Organic Frameworks and their Composites for Energy Storage and Conversion. 2018 , 30, e1702891	399
550	Nitrogen-doped porous carbon using ZnCl ₂ as activating agent for high-performance supercapacitor electrode materials. 2018 , 53, 2669-2684	23
549	Recent Advances toward Achieving High-Performance Carbon-Fiber Materials for Supercapacitors. 2018 , 5, 571-582	42
548	Nanoionic transport and electric double layer formation at the electrode/polymer interface for high-performance supercapacitors. 2018 , 6, 23650-23658	12
547	Wearable super-high specific performance supercapacitors using a honeycomb with folded silk-like composite of NiCoO nanoplates decorated with NiMoO honeycombs on nickel foam. 2018 , 47, 15545-15554	34
546	Ultralight supercapacitors utilizing waste cotton pads for wearable energy storage. 2018 , 47, 16684-16695	8
545	Molybdenum carbide promotion on Fe-N-doped carbon nanolayers facilely prepared for enhanced oxygen reduction. 2018 , 10, 21944-21950	9
544	Interweaving metal-organic framework-templated Co ₃ O ₄ layered double hydroxide nanocages with nanocellulose and carbon nanotubes to make flexible and foldable electrodes for energy storage devices. 2018 , 6, 24050-24057	67

543	Free-standing WS ₂ -MWCNTs hybrid paper integrated with polyaniline for high-performance flexible supercapacitor. 2018 , 20, 1	17
542	Synthesis of Hollow Nano-Structured Cobalt Metal-Organic Framework for Supercapacitor Electrodes. 2018 ,	2
541	High-Performance Symmetrical Supercapacitor with a Combination of a ZIF-67/rGO Composite Electrode and a Redox Additive Electrolyte. 2018 , 3, 17348-17358	83
540	A mixed-ion strategy to construct CNT-decorated Co/N-doped hollow carbon for enhanced oxygen reduction. 2018 , 54, 11570-11573	27
539	Advanced metal-organic frameworks (MOFs) and their derived electrode materials for supercapacitors. 2018 , 402, 281-295	99
538	Oxygen Defect Modulated Titanium Niobium Oxide on Graphene Arrays: An Open-Door for High-Performance 1.4 V Symmetric Supercapacitor in Acidic Aqueous Electrolyte. 2018 , 28, 1805618	86
537	Polyaniline-Encapsulated Metal-Organic Framework MIL-101: Adsorbent with Record-High Adsorption Capacity for the Removal of Both Basic Quinoline and Neutral Indole from Liquid Fuel. 2018 , 10, 35639-35646	41
536	Editable asymmetric all-solid-state supercapacitors based on high-strength, flexible, and programmable 2D-metal-organic framework/reduced graphene oxide self-assembled papers. 2018 , 6, 20254-20266	73
535	Cotton fabric and zeolitic imidazolate framework (ZIF-8) derived hierarchical nitrogen-doped porous carbon nanotubes/carbon fabric electrodes for all-solid-state supercapacitors. 2018 , 402, 413-421	28
534	Facile preparation of hierarchical vanadium pentoxide (V ₂ O ₅)/titanium dioxide (TiO ₂) heterojunction composite nano-arrays for high performance supercapacitor. 2018 , 404, 47-55	30
533	Ultramicroporous Carbons Puzzled by Graphene Quantum Dots: Integrated High Gravimetric, Volumetric, and Areal Capacitances for Supercapacitors. 2018 , 28, 1805898	102
532	Hybrid Composite Based on Porous Cobalt-Benzenetricarboxylic Acid Metal Organic Framework and Graphene Nanosheets as High Performance Supercapacitor Electrode. 2018 , 3, 11368-11380	23
531	Electrospun polyporous VN nanofibers for symmetric all-solid-state supercapacitors. 2018 , 7, 246-255	13
530	Hollow Bimetallic Zinc Cobalt Phosphosulfides for Efficient Overall Water Splitting. 2019 , 25, 621-626	9
529	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. 2018 , 5, 1700931	57
528	Influence of synthesis temperature on cobalt metal-organic framework (Co-MOF) formation and its electrochemical performance towards supercapacitor electrodes. 2018 , 22, 3873-3881	36
527	Metal-Organic Framework Derived Spindle-like Carbon Incorporated α -FeO Grown on Carbon Nanotube Fiber as Anodes for High-Performance Wearable Asymmetric Supercapacitors. 2018 , 12, 9333-9341	198
526	From fundamentals to applications: a toolbox for robust and multifunctional MOF materials. 2018 , 47, 8611-8638	656

525	Polyoxometalate-Based Metal-Organic Frameworks with Conductive Polypyrrole for Supercapacitors. 2018 , 10, 32265-32270	106
524	A self-supported hierarchical Co-MOF as a supercapacitor electrode with ultrahigh areal capacitance and excellent rate performance. 2018 , 54, 10499-10502	110
523	Facile and fast microwave-assisted fabrication of activated and porous carbon cloth composites with graphene and MnO ₂ for flexible asymmetric supercapacitors. 2018 , 280, 9-16	54
522	Facile synthesis of a two-dimensional layered Ni-MOF electrode material for high performance supercapacitors.. 2018 , 8, 17747-17753	33
521	Hierarchically porous N-doped carbon derived from supramolecular assembled polypyrrole as a high performance supercapacitor electrode material.. 2018 , 8, 18714-18722	12
520	Ternary nanocomposites of conductive polymer/functionalized GO/MOFs: Synthesis, characterization and electrochemical performance as effective electrode materials in pseudocapacitors. 2018 , 265, 155-166	70
519	Tuning the Photoinduced Electron Transfer in a Zr-MOF: Toward Solid-State Fluorescent Molecular Switch and Turn-On Sensor. 2018 , 30, e1802329	81
518	MOF-Derived Metal Oxide Composites for Advanced Electrochemical Energy Storage. 2018 , 14, e1704435	193
517	Cobalt Single Atoms Immobilized N-Doped Carbon Nanotubes for Enhanced Bifunctional Catalysis toward Oxygen Reduction and Oxygen Evolution Reactions. 2018 , 1, 3283-3291	64
516	Conductive Leaflike Cobalt Metal-Organic Framework Nanoarray on Carbon Cloth as a Flexible and Versatile Anode toward Both Electrocatalytic Glucose and Water Oxidation. 2018 , 57, 8422-8428	69
515	Application of Nanomaterials Prepared by Thermolysis of Metal Chelates. 2018 , 459-541	
514	Magnetoresistance of a self-assembled polyaniline single microfiber. 2018 , 53, 14850-14857	1
513	Fabrication of three-dimensional composite textile electrodes by metal-organic framework, zinc oxide, graphene and polyaniline for all-solid-state supercapacitors. 2018 , 530, 29-36	35
512	Electrochemical redox induced rapid uptake/release of Pb(II) ions with high selectivity using a novel porous electroactive HZSM-5@PANI/PSS composite film. 2018 , 282, 384-394	13
511	Nafion/polyaniline/Zeolitic Imidazolate Framework-8 nanocomposite sensor for the electrochemical determination of dopamine. 2018 , 824, 147-152	27
510	Balancing crystallinity and specific surface area of metal-organic framework derived nickel hydroxide for high-performance supercapacitor. 2018 , 284, 202-210	29
509	Facile Synthesis of Vanadium Metal-Organic Frameworks for High-Performance Supercapacitors. 2018 , 14, e1801815	128
508	A 2D zinc coordination polymer constructed from long and flexible N-containing tricarboxylate ligand for encapsulating Ln ³⁺ ions and luminescent sensing. 2018 , 479, 213-220	5

507	Co@C Nanoparticle Embedded Hierarchically Porous N-Doped Hollow Carbon for Efficient Oxygen Reduction. 2018 , 24, 10178		32
506	Metal-organic frameworks and their composites as efficient electrodes for supercapacitor applications. 2018 , 369, 15-38		178
505	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. 2018 , 10, 18021-18028		120
504	Blocking Polysulfides and Facilitating Lithium-Ion Transport: Polystyrene Sulfonate@HKUST-1 Membrane for Lithium-Sulfur Batteries. 2018 , 10, 30451-30459		51
503	Metal-organic frameworks for direct electrochemical applications. 2018 , 376, 292-318		294
502	Preparation of Co-MOF derived Co(OH) ₂ /multiwalled carbon nanotubes as an efficient bifunctional electro catalyst for hydrazine and hydrogen peroxide detections. 2018 , 93, 79-86		13
501	Supercapacitor with high cycling stability through electrochemical deposition of metal-organic frameworks/polypyrrole positive electrode. 2018 , 47, 13472-13478		39
500	The insights from X-ray absorption spectroscopy into the local atomic structure and chemical bonding of Metal-organic frameworks. 2018 , 155, 232-253		23
499	Interlayer Hydrogen-Bonded Covalent Organic Frameworks as High-Performance Supercapacitors. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10941-10945	16.4	215
498	Temperature-induced hierarchical Tremella-like and Pinecone-like NiO microspheres for high-performance supercapacitor electrode materials. 2018 , 53, 12477-12491		12
497	Aptamer immobilization on amino-functionalized metal-organic frameworks: an ultrasensitive platform for the electrochemical diagnostic of Escherichia coli O157:H7. 2018 , 143, 3191-3201		53
496	Tannic Acid-Decorated Spongy Graphene for Flexible and High Performance Supercapacitors. 2018 , 165, A1706-A1712		4
495	Self-Templated Synthesis of Cuprous Oxide Nanofiber-Assembled Hollow Spheres for High-Performance Electrochemical Energy Storage. 2018 , 5, 1724-1731		3
494	Metal-organic framework templated synthesis of porous NiCo ₂ O ₄ /ZnCo ₂ O ₄ /Co ₃ O ₄ hollow polyhedral nanocages and their enhanced pseudocapacitive properties. 2018 , 351, 74-84		83
493	PVP-assisted transformation of a metal-organic framework into Co-embedded N-enriched meso/microporous carbon materials as bifunctional electrocatalysts. 2018 , 54, 7519-7522		112
492	Review and prospect of NiCo ₂ O ₄ -based composite materials for supercapacitor electrodes. 2019 , 31, 54-78		178
491	Weak Intermolecular Interactions in Covalent Organic Framework-Carbon Nanofiber Based Crystalline yet Flexible Devices. 2019 , 11, 30828-30837		23
490	Synthesis of Nano-Flower Metal-organic Framework/Graphene Composites As a High-Performance Electrode Material for Supercapacitors. 2019 , 48, 7011-7024		16

489	Self-Assembled Nanostructured MoS ₂ Quantum Dot Polyaniline Hybrid Gels for High Performance Solid State Flexible Supercapacitors. 2019 , 2, 6642-6654	15
488	The disordering-enhanced performances of the Al-MOF/graphene composite anodes for lithium ion batteries. 2019 , 65, 104032	38
487	Fe/Ni bimetal organic framework as efficient oxygen evolution catalyst with low overpotential. 2019 , 555, 541-547	47
486	A directly grown pristine Cu-CAT metal-organic framework as an anode material for high-energy sodium-ion capacitors. 2019 , 55, 11207-11210	28
485	Cellulose Nanofiber @ Conductive Metal-Organic Frameworks for High-Performance Flexible Supercapacitors. 2019 , 13, 9578-9586	136
484	Facile synthesis of NF/ZnOx and NF/CoOx nanostructures for high performance supercapacitor electrode materials.. 2019 , 9, 21225-21232	
483	Exposing {001} Crystal Plane on Hexagonal Ni-MOF with Surface-Grown Cross-Linked Mesh-Structures for Electrochemical Energy Storage. 2019 , 15, e1902463	69
482	TiO ₂ -C nanowire arrays@polyaniline core-shell nanostructures on carbon cloth for high performance supercapacitors. 2019 , 493, 1125-1133	15
481	Extraordinary cycling stability of Ni ₃ (HITP) ₂ supercapacitors fabricated by electrophoretic deposition: Cycling at 100,000 cycles. 2019 , 378, 122150	35
480	An excellent cycle performance of asymmetric supercapacitor based on ZIF-derived C/N-doped porous carbon nanostructures. 2019 , 805, 1200-1207	12
479	Four coordination polymers based on bifunctional ligands: Syntheses, crystal structures and physical properties. 2019 , 278, 120873	5
478	In-situ synthesis of Ni-MOF@CNT on graphene/Ni foam substrate as a novel self-supporting hybrid structure for all-solid-state supercapacitors with a high energy density. 2019 , 848, 113301	33
477	Core-Shell Self-Doped Polyaniline Coated Metal-Organic-Framework (SPAN@UIO-66-NH ₂) Screen Printed Electrochemical Sensor for Cd ²⁺ Ions. 2019 , 166, B873-B880	25
476	Polypyrrole coated hollow metal-organic framework composites for lithium-sulfur batteries. 2019 , 7, 19465-19470	94
475	Ultrathin NiCo LDH nanosheets grown on carbon fiber cloth via electrodeposition for high-performance supercapacitors. 2019 , 30, 13360-13371	21
474	Facile Exfoliation of Single-Crystalline Copper Alkylphosphates to Single-Layer Nanosheets and Enhanced Supercapacitance. 2019 , 58, 16844-16849	12
473	Polymer-Based Flexible Electrodes for Supercapacitor Applications. 2019 , 573-624	
472	Polyvinyl pyrrolidone-induced assembly of NiCo-LDHs nanosheets: A facile method for fabricating three-dimensional flower-like microspheres with excellent supercapacitor performance. 2019 , 110, 107587	4

471	Polyoxometalates-Based Metal-Organic Frameworks Made by Electrodeposition and Carbonization Methods as Cathodes and Anodes for Asymmetric Supercapacitors. 2019 , 25, 16617	14
470	A Novel Ultrastable and High-Performance Electrode Material for Asymmetric Supercapacitors Based on ZIF-9@Polyaniline. 2019 , 6, 1901571	18
469	Design of 2D Self-Supported Hybrid Core/Shell Nanosheet Arrays for High-Performance Flexible Microsupercapacitors. 2019 , 123, 29133-29143	9
468	Redox Tuning in Crystalline and Electronic Structure of Bimetal-Organic Frameworks Derived Cobalt/Nickel Boride/Sulfide for Boosted Faradaic Capacitance. 2019 , 31, e1905744	93
467	Facile Exfoliation of Single-Crystalline Copper Alkylphosphates to Single-Layer Nanosheets and Enhanced Supercapacitance. 2019 , 131, 17000-17005	3
466	The synergistic supercapacitive performance of Mo-MOF/PANI and its electrochemical impedance spectroscopy investigation. 2019 , 21, 100711	2
465	Electrocatalytic Enhancement of 0D/1D/2D Multidimensional PtCo Alloy@Cobalt Benzoate/Graphene Composite Catalyst for Alcohol Electro-Oxidation. 2019 , 6, 1900946	8
464	Thermoelectric phase diagram of the SrTiO ₃ -LaTiO ₃ solid-solution system through a metal to Mott insulator transition. 2019 , 126, 075104	2
463	Pyridine-Rich Covalent Organic Frameworks as High-Performance Solid-State Supercapacitors. 2019 , 1, 490-497	36
462	Synthesis of novel functionalized graphene oxide with incorporation pyrimidine group including cobalt-iodine bonds their nanocomposites with p-type conductive polymer as excellent pseudocapacitor electrode materials. 2019 , 30, 18439-18451	8
461	Effect of the cobalt and zinc ratio on the preparation of zeolitic imidazole frameworks (ZIFs): synthesis, characterization and supercapacitor applications. 2019 , 48, 14808-14819	18
460	Construction of Hierarchical NiCoO@Ni-MOF Hybrid Arrays on Carbon Cloth as Superior Battery-Type Electrodes for Flexible Solid-State Hybrid Supercapacitors. 2019 , 11, 37675-37684	95
459	On the potential for nanoscale metal-organic frameworks for energy applications. 2019 , 7, 21545-21576	61
458	A long-life pseudocapacitive triazine-based porous organic framework and resulting N-doped microporous carbons for supercapacitance application. 2019 , 12, 1950065	2
457	Exfoliated nanosheets of Co ₃ O ₄ webbed with polyaniline nanofibers: A novel composite electrode material for enzymeless glucose sensing application. 2019 , 73, 106-117	24
456	Hollow core-shell ZnO@ZIF-8 on carbon cloth for flexible supercapacitors with ultrahigh areal capacitance. 2019 , 55, 1746-1749	61
455	Assembling laminated films via the synchronous reduction of graphene oxide and formation of copper-based metal organic frameworks. 2019 , 7, 107-111	20
454	A chain-block strategy to construct a conjugated copolymer network for supercapacitor applications. 2019 , 7, 116-123	19

453	Mesopore-Induced Ultrafast Na ⁺ -Storage in T-Nb ₂ O ₇ /Carbon Nanofiber Films toward Flexible High-Power Na-Ion Capacitors. 2019 , 15, e1804539	95
452	Coordination derived stable Ni ²⁺ /Co MOFs for foldable all-solid-state supercapacitors with high specific energy. 2019 , 7, 4998-5008	73
451	Redox active azo-based metal-organic frameworks as anode materials for lithium-ion batteries. 2019 , 43, 1710-1715	8
450	Solvent-tuned chemoselective carboazidation and diazidation of alkenes via iron catalysis. 2019 , 6, 512-516	18
449	Reverse synthesis of star anise-like cobalt doped Cu-MOF/Cu ₂ O hybrid materials based on a Cu(OH) ₂ precursor for high performance supercapacitors. 2019 , 7, 3815-3827	97
448	MOF-derived PPy/carbon-coated copper sulfide ceramic nanocomposite as high-performance electrode for supercapacitor. 2019 , 45, 17216-17223	23
447	Fabrication of 2D metal-organic framework nanosheet@fiber composites by spray technique. 2019 , 55, 8293-8296	18
446	Textile carbon network with enhanced areal capacitance prepared by chemical activation of cotton cloth. 2019 , 553, 705-712	30
445	A versatile integrated rechargeable lead dioxide-polyaniline system with energy storage mechanism transformation. 2019 , 183, 358-367	8
444	Oxygen Groups Immobilized on Micropores for Enhancing the Pseudocapitance. 2019 , 7, 11407-11414	11
443	Growth of PANI thin layer on MoS ₂ nanosheet with high electro-capacitive property for symmetric supercapacitor. 2019 , 798, 227-234	26
442	Toward Metal-Organic-Framework-Based Supercapacitors: Room-Temperature Synthesis of Electrically Conducting MOF-Based Nanocomposites Decorated with Redox-Active Manganese. 2019 , 2019, 3036-3044	23
441	Covalent Connection of Polyaniline with MoS ₂ Nanosheets toward Ultrahigh Rate Capability Supercapacitors. 2019 , 7, 11540-11549	43
440	Large-Scale and Low-Cost Motivation of Nitrogen-Doped Commercial Activated Carbon for High-Energy-Density Supercapacitor. 2019 , 2, 4234-4243	26
439	Design of a Functionalized Carbon Cloth Substrate for a Ni and Co-Based High-Performance Supercapacitor. 2019 , 2, 4316-4324	6
438	Synergistic effect of Ni-based metal organic framework with graphene for enhanced electrochemical performance of supercapacitors. 2019 , 30, 12351-12363	15
437	Room-Temperature Fabrication of a Nickel-Functionalized Copper Metal-Organic Framework (Ni@Cu-MOF) as a New Pseudocapacitive Material for Asymmetric Supercapacitors. 2019 , 11,	25
436	Metal-Organic Framework Films and Their Potential Applications in Environmental Pollution Control. 2019 , 52, 1461-1470	193

435	Highly Conductive Bimetallic NiBe Metal Organic Framework as a Novel Electrocatalyst for Water Oxidation. 2019 , 7, 9743-9749	79
434	Polyoxometalate-based metal-organic frameworks for boosting electrochemical capacitor performance. 2019 , 373, 587-597	72
433	A new strategy for the improvement of direct use of MOFs as supercapacitor electrodes. 2019 , 251, 102-105	7
432	Mesoporous Composite Nanomaterials for Dye Removal and Other Applications. 2019 , 265-293	11
431	Selective edge etching to improve the rate capability of Prussian blue analogues for sodium ion batteries. 2019 , 6, 1361-1366	7
430	Thermally etched porous carbon cloth catalyzed by metal organic frameworks as sulfur hosts for lithium-sulfur batteries. 2019 , 150, 76-84	37
429	Recent development of carbon based materials for energy storage devices. 2019 , 2, 417-428	32
428	Direct growth of flake-like metal-organic framework on textile carbon cloth as high-performance supercapacitor electrode. 2019 , 428, 124-130	45
427	Robust and superwetting island-shaped phytate bimetallic oxyhydroxide porous nanoclusters via a mild self-assembly-etching-catching-electrochemical oxidization strategy for an enhanced oxygen evolution reaction. 2019 , 55, 4503-4506	2
426	Cohesive Porous Co ₃ O ₄ /C Composite Derived from Zeolitic Imidazole Framework-67 (ZIF-67) Single-Source Precursor as Supercapacitor Electrode. 2019 , 166, A960-A967	21
425	New design of all-solid state asymmetric flexible supercapacitor with high energy storage and long term cycling stability using m-CuO/FSS and h-CuS/FSS electrodes. 2019 , 307, 30-42	23
424	A N, S dual doping strategy via electrospinning to prepare hierarchically porous carbon polyhedra embedded carbon nanofibers for flexible supercapacitors. 2019 , 7, 9040-9050	88
423	Wrinkled two-dimensional ultrathin Cu(ii)-porphyrin framework nanosheets hybridized with polypyrrole for flexible all-solid-state supercapacitors. 2019 , 48, 9631-9638	24
422	Ultrathin Ni-MOF nanosheet arrays grown on polyaniline decorated Ni foam as an advanced electrode for asymmetric supercapacitors with high energy density. 2019 , 48, 4119-4123	75
421	Thermally doped polypyrrole nanotubes with sulfuric acid for flexible all-solid-state supercapacitors. 2019 , 30, 245402	9
420	Bi-metal organic framework nanosheets assembled on nickel wire films for volumetric-energy-dense supercapacitors. 2019 , 423, 80-89	40
419	Recent advance in new-generation integrated devices for energy harvesting and storage. 2019 , 60, 600-619	126
418	Recent advances in mesoporous metal-organic frameworks. 2019 , 45, 20-34	9

4 ¹⁷	Metal-organic frameworks governed well-aligned conducting polymer/bacterial cellulose membranes with high areal capacitance. 2019 , 23, 594-601	31
4 ¹⁶	Metal-organic framework composites and their electrochemical applications. 2019 , 7, 7301-7327	186
4 ¹⁵	ZIF-67 derived Co ₃ O ₄ /carbon aerogel composite for supercapacitor electrodes. 2019 , 43, 5666-5669	22
4 ¹⁴	Interlayer Hydrogen-Bonded Metal Porphyrin Frameworks/MXene Hybrid Film with High Capacitance for Flexible All-Solid-State Supercapacitors. 2019 , 15, e1901351	68
4 ¹³	Layer-by-layer integration of conducting polymers and metal organic frameworks onto electrode surfaces: enhancement of the oxygen reduction reaction through electrocatalytic nanoarchitectonics. 2019 , 4, 893-900	24
4 ¹²	MOF derived Ni-Co-S nanosheets on electrochemically activated carbon cloth via an etching/ion exchange method for wearable hybrid supercapacitors. 2019 , 371, 461-469	145
4 ¹¹	Dual-Purpose 3D Pillared Metal-Organic Framework with Excellent Properties for Catalysis of Oxidative Desulfurization and Energy Storage in Asymmetric Supercapacitor. 2019 , 11, 14759-14773	69
4 ¹⁰	Boost-up electrochemical performance of MOFs via confined synthesis within nanoporous carbon matrices for supercapacitor and oxygen reduction reaction applications. 2019 , 7, 5561-5574	26
4 ⁰⁹	Polypyrrole@metal-organic framework (UIO-66)@cotton fabric electrodes for flexible supercapacitors. 2019 , 26, 3387-3399	42
4 ⁰⁸	Nitrogen-doped-carbon-coated hexagonal cobalt oxyhydroxide/reduced graphene oxide nanocomposite for sensitive and selective detection of nitrite in human hepatoma cells. 2019 , 30, 265502	4
4 ⁰⁷	Oxygen-vacancy Bi ₂ O ₃ nanosheet arrays with excellent rate capability and CoNi ₂ S ₄ nanoparticles immobilized on N-doped graphene nanotubes as robust electrode materials for high-energy asymmetric supercapacitors. 2019 , 7, 7918-7931	66
4 ⁰⁶	Cadmium-Based Coordination Polymers from 1D to 3D: Synthesis, Structures, and Photoluminescent and Electrochemiluminescent Properties. 2019 , 84, 190-202	25
4 ⁰⁵	An amino-functionalized metal-organic framework nanosheet array as a battery-type electrode for an advanced supercapattery. 2019 , 48, 17163-17168	23
4 ⁰⁴	Isomorphism combined with intercalation methods to construct a hybrid electrode material for high-energy storage capacitors. 2019 , 7, 25120-25131	11
4 ⁰³	Electronically conductive metal-organic framework-based materials. 2019 , 7, 110902	43
4 ⁰²	Polyaniline Nanotubes/Carbon Cloth Composite Electrode by Thermal Acid Doping for High-Performance Supercapacitors. 2019 , 11,	4
4 ⁰¹	Self-supported hierarchical bead-chain graphite felt@FePO ₄ @polyaniline: A flexible electrode for all-solid-state supercapacitors with ultrahigh energy density. 2019 , 361, 342-352	15
4 ⁰⁰	Non-metallic element modified metal-organic frameworks as high-performance electrodes for all-solid-state asymmetric supercapacitors. 2019 , 539, 370-378	37

399	Assembling 2D MXenes into Highly Stable Pseudocapacitive Electrodes with High Power and Energy Densities. 2019 , 31, e1806931	160
398	NiCo-layered double-hydroxide and carbon nanosheets microarray derived from MOFs for high performance hybrid supercapacitors. 2019 , 539, 545-552	105
397	Mesoporous Ni ₂ CoS ₄ electrode materials derived from coordination polymer bricks for high-performance supercapacitor. 2019 , 271, 239-245	10
396	Two-dimensional π -conjugated metal-organic framework with high electrical conductivity for electrochemical sensing. 2019 , 66, 522-528	13
395	The recent progress on three-dimensional porous graphene-based hybrid structure for supercapacitor. 2019 , 165, 10-46	105
394	ZnO@MOF@PANI core-shell nanoarrays on carbon cloth for high-performance supercapacitor electrodes. 2019 , 35, 124-131	75
393	Metal-Organic Frameworks (MOFs) and MOF-Derived Materials for Energy Storage and Conversion. 2019 , 2, 29-104	152
392	Metal-organic frameworks for energy storage devices: Batteries and supercapacitors. 2019 , 21, 632-646	165
391	Flexible Solid-State Supercapacitor Based on Carbon Nanotube/Fe ₃ O ₄ /Reduced Graphene Oxide Binary Films. 2019 , 4, 437-440	15
390	In-situ electropolymerization of porous conducting polyaniline fibrous network for solid-state supercapacitor. 2019 , 469, 446-455	62
389	Employment of Pd nanoparticles at the structure of poly aminohippuric acid as a nanocomposite for hydrogen peroxide detection. 2019 , 832, 142-151	17
388	Pillared sulfonate-based metal-organic framework as negative electrode for Li-ion batteries. 2019 , 236, 73-76	7
387	Flexible all-solid-state supercapacitors of polyaniline nanowire arrays deposited on electrospun carbon nanofibers decorated with MOFs. 2019 , 30, 085404	21
386	A stretchable and bendable all-solid-state pseudocapacitor with dodecylbenzenesulfonate-doped polypyrrole-coated vertically aligned carbon nanotubes partially embedded in PDMS. 2019 , 30, 095401	12
385	Green synthesis of nanoarchitected nickel fabrics as high performance electrodes for supercapacitors. 2019 , 135, 1445-1451	7
384	Super flexible electrospun carbon/nickel nanofibrous film electrode for supercapacitors. 2019 , 774, 593-600	17
383	A highly alkaline-stable metal oxide@metal-organic framework composite for high-performance electrochemical energy storage. 2020 , 7, 305-314	265
382	Achieving ultrahigh-energy-density in flexible and lightweight all-solid-state internal asymmetric tandem 6.6 V all-in-one supercapacitors. 2020 , 25, 893-902	12

381	MOFs and COFs for Batteries and Supercapacitors. 2020 , 3, 81-126	57
380	Integrated Conductive Hybrid Architecture of Metal-Organic Framework Nanowire Array on Polypyrrole Membrane for All-Solid-State Flexible Supercapacitors. 2020 , 10, 1901892	97
379	Formation of Hollow Co-Ni-S Nanowedges Arrays via Sulfidation-etch of ZIF-L for Advanced Hybrid Supercapacitor. 2020 , 5, 660-667	10
378	A General Approach to Direct Growth of Oriented Metal-Organic Framework Nanosheets on Reduced Graphene Oxides. 2020 , 7, 1901480	14
377	A new promising Ni-MOF superstructure for high-performance supercapacitors. 2020 , 56, 1803-1806	41
376	Solid-Solid interface growth of conductive metal-organic framework nanowire arrays and their supercapacitor application. 2020 , 4, 243-251	22
375	Magnetic recyclable CoFeO@PPy prepared by Fenton oxidization polymerization with advanced photo-Fenton performance.. 2020 , 10, 1858-1869	9
374	Facile synthesis of Fe, Co bimetal embedded nanoporous carbon polyhedron composites for an efficient oxygen evolution reaction. 2020 , 563, 189-196	21
373	Binder free lanthanum doped manganese oxide @ graphene oxide composite as high energy density electrode material for flexible symmetric solid state supercapacitor. 2020 , 335, 135613	25
372	Construction of an electrochemical stable conductive network to improve the pseudocapacitance of polyaniline. 2020 , 331, 135279	9
371	Made-to-order porous electrodes for supercapacitors: MOFs embedded with redox-active centers as a case study. 2020 , 56, 1883-1886	19
370	Synthesis of hybrid ZIF-derived binary ZnS/CoS composite as high areal-capacitance supercapacitor. 2020 , 260, 116262	30
369	CNT yarn-based supercapacitors. 2020 , 243-270	5
368	Layer-by-layer growth of ZIF-8 on electrospun carbon nanofiber membranes for high-performance supercapacitor electrode. 2020 , 47, 221-224	8
367	Metal-organic frameworks derived porous carbon, metal oxides and metal sulfides-based compounds for supercapacitors application. 2020 , 26, 1-22	110
366	ZIF-8/PEDOT @ flexible carbon cloth electrode as highly efficient electrocatalyst for oxygen reduction reaction. 2020 , 45, 1890-1900	19
365	Conductive Polymer Coated Cathodes in LiO ₂ Batteries. 2020 , 3, 951-956	9
364	Metal-Organic Frameworks Based Porous Carbons for Oxygen Reduction Reaction Electrocatalysts for Fuel Cell Applications. 2020 , 251-284	2

363	A ZIF-8-derived nanoporous carbon nanocomposite wrapped with Co ₃ O ₄ -polyaniline as an efficient electrode material for an asymmetric supercapacitor. 2020 , 856, 113670	38
362	Supramolecule-assisted synthesis of cyclodextrin polymer functionalized polyaniline/carbon nanotube with core-shell nanostructure as high-performance supercapacitor material. 2020 , 331, 135345	17
361	Recent progress in metal-organic frameworks as active materials for supercapacitors. 2020 , 2, 100025	228
360	Chemoresistive Room-Temperature Sensing of Ammonia Using Zeolite Imidazole Framework and Reduced Graphene Oxide (ZIF-67/rGO) Composite. 2020 , 5, 27492-27501	22
359	Controllable layer-by-layer assembly of metal-organic frameworks/polyaniline membranes for flexible solid-state microsupercapacitors. 2020 , 474, 228681	4
358	Recent progress in metal-organic framework-based supercapacitor electrode materials. 2020 , 420, 213438	118
357	Conductive Metal-Organic Frameworks: Design, Synthesis, and Applications. 2020 , 4, 2000396	43
356	In-situ growth of core-shell NiCo ₂ O ₄ @Ni-Co layered double hydroxides for all-solid-state flexible hybrid supercapacitor. 2020 , 607, 125417	7
355	Reduced Graphene Oxide/Polyester Yarns Supported Conductive Metal-Organic Framework Nanorods as Novel Electrodes for All-Solid-State Supercapacitors. 2020 , 34, 16879-16884	12
354	Hybrid Architecture of a Porous Polypyrrole Scaffold Loaded with Metal-Organic Frameworks for Flexible Solid-State Supercapacitors. 2020 , 3, 11920-11928	12
353	Cobalt Oxide Nanograins and Silver Nanoparticles Decorated Fibrous Polyaniline Nanocomposite as Battery-Type Electrode for High Performance Supercapattery. 2020 , 12,	6
352	Metal-Organic Framework/Polyaniline Nanocomposites for Lightweight Energy Storage. 2020 , 3, 12368-12377	7
351	Surface modification of a polylactic acid nanofiber membrane by zeolitic imidazolate framework-8 from secondary growth for drug delivery. 2020 , 55, 15275-15287	12
350	Large-Area and 3D Polyaniline Nanoweb Film for Flexible Supercapacitors with High Rate Capability and Long Cycle Life. 2020 , 3, 7746-7755	20
349	Flexible supercapacitor electrodes using metal-organic frameworks. 2020 , 12, 17649-17662	42
348	Ti ₃ Bi ₂ C ₇ /Carbon Nanofibers Fabricated by Electrospinning as Electrode Material for High-Performance Supercapacitors. 2020 , 20, 6441-6449	0
347	A review on the field patents and recent developments over the application of metal organic frameworks (MOFs) in supercapacitors. 2020 , 422, 213441	56
346	Hydrophobic electrocatalyst for the enhanced activity of oxygen reduction reaction through controllable liquid/gas/solid interface. 2020 , 532, 147357	8

345	In-situ pyrolysis of MnO ₂ /PVDF composites on carbon cloths and their enhanced electrochemical performances. 2020 , 109, 106403	
344	Nanostructured materials for energy conversion and storage. 2020 , 351-386	
343	Polyaniline stabilized activated carbon from Eichhornia Crassipes: Potential charge storage material from bio-waste. 2020 , 162, 2285-2296	3
342	Microfluidic-Oriented Synthesis of Graphene Oxide Nanosheets toward High Energy Density Supercapacitors. 2020 , 34, 11519-11526	8
341	Electrode Materials for Supercapacitors: A Review of Recent Advances. 2020 , 10, 969	81
340	Simultaneous Square Wave Voltammetric Detection of Endocrine-Disrupting Agents Using a Nanocomposite of Magnetic Fe ₃ O ₄ Nanorods and Poly(3,4-Methylenedioxy)aniline. 2020 , 8, 15108-15119	5
339	Co ^{II} -Codoped Carbon/ Cloth Hybrid Derived from ZIF-67 for the Oxygen Evolution Reaction and Supercapacitors. 2020 , 34, 13023-13031	10
338	Metal-organic framework composites for energy conversion and storage. 2020 , 41, 091707	9
337	Efficient Blood-toleration Enzymatic Biofuel Cell Protection of an Enzyme Catalyst. 2020 , 12, 41429-41436	15
336	Ultrafast Synthesis of Large-Area Conductive Metal-Organic Frameworks on Substrates for Flexible Chemiresistive Sensing. 2020 , 12, 57235-57244	8
335	Improving the Performance of a Graphite Foil/Polyaniline Electrode Material by a Thin PEDOT:PSS Layer for Application in Flexible, High Power Supercapacitors. 2020 , 13,	3
334	Application of MOF-based materials in electrochemical sensing. 2020 , 49, 17121-17129	19
333	Highly effective antibacterial zeolitic imidazolate framework-67/alginate fibers. 2020 , 31, 375707	6
332	Stretchable electrochemical energy storage devices. 2020 , 49, 4466-4495	110
331	Conductive copper-based metal-organic framework nanowire arrays grown on graphene fibers for flexible all-solid-state supercapacitors. 2020 , 835, 155238	26
330	Nano-sized metal-organic frameworks: Synthesis and applications. 2020 , 417, 213366	89
329	High-performance and freestanding PPy/Ti ₃ C ₂ T _x composite film for flexible all-solid-state supercapacitors. 2020 , 465, 228267	32
328	Two-Step Synthesis of CuS/C@PANI Nanocomposite as Advanced Electrode Materials for Supercapacitor Applications. 2020 , 10,	10

327	A novel amperometric determination of flufenamic acid using CuMOF ribbons incorporated with activated carbon. 2020 , 44, 12586-12594	8
326	Self-assembled Mo doped Ni-MOF nanosheets based electrode material for high performance battery-supercapacitor hybrid device. 2020 , 45, 20820-20831	28
325	Graphene Quantum Dots-Based Advanced Electrode Materials: Design, Synthesis and Their Applications in Electrochemical Energy Storage and Electrocatalysis. 2020 , 10, 2001275	52
324	Preparation of a Super Flexible Cu/Carbon Composite Nanofiber Film Electrode for High-Performance Flexible All-Solid-State Supercapacitors. 2020 , 49, 3165-3173	6
323	Coupled Electrical Conduction in Coordination Polymers: From Electrons/Ions to Mixed Charge Carriers. 2020 , 15, 1202-1213	4
322	Construction of carbon quantum dots embed Co/Ni(OH)_2 hollow nanocages with enhanced supercapacitor performance. 2020 , 103, 4342-4351	15
321	Conductive MOFs. 2020 , 2, 100029	156
320	Ionic Liquid-Assisted Synthesis of Hierarchical One-Dimensional MoP/NPC for High-Performance Supercapacitor and Electrocatalysis. 2020 , 8, 6343-6351	27
319	Photocatalytic and Oxidative Synthetic Pathways for Highly Efficient PANI-TiO Nanocomposites as Organic and Inorganic Pollutant Sorbents. 2020 , 10,	13
318	Metal-Organic frameworks encapsulated with vanadium-substituted heteropoly acid for highly stable asymmetric supercapacitors. 2020 , 28, 101292	27
317	In-plane Assembly of Distinctive 2D MOFs with Optimum Supercapacitive Performance. 2020 , 23, 101220	15
316	Hydrophilic Bridge- H_3N_4 stabilizing CuO onto graphenes with enhanced energy density for asymmetric supercapacitors. 2020 , 4, 4196-4206	3
315	A three-dimensional Co_5 -cluster-based MOF as a high-performance electrode material for supercapacitor. 2020 , 26, 5189-5197	6
314	Fishnet-like superstructures constructed from ultrafine and ultralong Ni-MOF nanowire arrays directionally grown on highly rough and conductive scaffolds: synergistic activating effect for efficient and robust alkaline water oxidation activity. 2020 , 529, 147030	4
313	Assembling well-arranged covalent organic frameworks on MOF-derived graphitic carbon for remarkable formaldehyde sensing. 2020 , 12, 15611-15619	45
312	MOF-derived NiS Encapsulated in 3D Conductive Network for High-Performance Supercapacitor. 2020 , 59, 2406-2412	42
311	Cu-MOF derived Cu-C nanocomposites towards high performance electrochemical supercapacitors.. 2020 , 10, 4621-4629	8
310	Novel Elastically Stretchable Metal-Organic Framework Laden Hydrogel with Pearl-Net Microstructure and Freezing Resistance through Post-Synthetic Polymerization. 2020 , 41, e1900573	2

309	High-Performance All-Solid-State Supercapacitor Based on Activated Carbon Coated Fiberglass Cloth Using Asphalt as Active Binder. 2020 , 167, 020540	8
308	Magnetothermal Microfluidic-Assisted Hierarchical Microfibers for Ultrahigh-Energy-Density Supercapacitors. 2020 , 59, 7934-7943	31
307	A Spiderweb-Like Metal-Organic Framework Multifunctional Foam. 2020 , 59, 9506-9513	20
306	POSS-tetraaniline based giant molecule: Synthesis, self-assembly, and active corrosion protection of epoxy-based organic coatings. 2020 , 168, 108555	21
305	Covalent conductive polymer chain and organic ligand ethylenediamine modified MXene-like-{AlW12O40} compounds for fully symmetric supercapacitors, electrochemical sensors and photocatalysis mechanisms. 2020 , 8, 5709-5720	19
304	Deterministic control of surface mounted metal-organic framework growth orientation on metallic and insulating surfaces. 2020 , 22, 5839-5846	10
303	A Spiderweb-Like Metal-Organic Framework Multifunctional Foam. 2020 , 132, 9593-9600	2
302	Magnetothermal Microfluidic-Assisted Hierarchical Microfibers for Ultrahigh-Energy-Density Supercapacitors. 2020 , 132, 8008-8017	14
301	Flexible and Wearable Solar Cells and Supercapacitors. 2020 , 87-129	3
300	Multifunctional micro-/nanoscaled structures based on polyaniline: an overview of modern emerging devices. 2020 , 16, 100249	23
299	Spatial Distribution Control on the Energy Storage Performance of [email[protected]]@ACNT-Based Flexible Solid-State Supercapacitors. 2020 , 3, 3082-3091	8
298	Recent advances in the interface design of solid-state electrolytes for solid-state energy storage devices. 2020 , 7, 1246-1278	30
297	Metal-organic framework-derived ZnMoO ₄ nanosheet arrays for advanced asymmetric supercapacitors. 2020 , 31, 3631-3641	3
296	Metal-organic frameworks with different spatial dimensions for supercapacitors. 2020 , 44, 3147-3167	27
295	{P2W18O62}-Encapsulated Potassium-Ion Nanotubes Intercalated in Copper Bimidazole Frameworks for Supercapacitors and Hydrogen Peroxide Sensing. 2020 , 3, 1497-1507	12
294	In Situ Growth of Ni-Doped Co-MOF-74 on Ni Foam for High-Performance Electrochemical Energy Storage. 2020 , 167, 020539	12
293	MOF-modified polyester fabric coated with reduced graphene oxide/polypyrrole as electrode for flexible supercapacitors. 2020 , 336, 135743	28
292	Applications of metal-organic framework-derived materials in fuel cells and metal-air batteries. 2020 , 409, 213214	97

291	A wearable breathable pressure sensor from metal-organic framework derived nanocomposites for highly sensitive broad-range healthcare monitoring. 2020 , 70, 104560	56
290	Coral-like {SiW ₁₀ Mn ₂ }-based Mn-MOFs: Facile fabrication with high electrochemical capacitor performance. 2020 , 288, 121409	13
289	Flexible Energy Storage Device Based on Poly(N-phenylglycine), an Incentive-Energy Pseudocapacitive Conducting Polymer, and Electrochemically Exfoliated Graphite Sheets. 2020 , 8, 6433-6441	9
288	Advances in metal-organic framework coatings: versatile synthesis and broad applications. 2020 , 49, 3142-3186	167
287	Porous Cobalt Metal-Organic Frameworks as Active Elements in Battery-Supercapacitor Hybrid Devices. 2020 , 59, 6808-6814	111
286	A review of electrochemical energy storage behaviors based on pristine metal-organic frameworks and their composites. 2020 , 416, 213341	94
285	Ultrathin nickel terephthalate nanosheet three-dimensional aggregates with disordered layers for highly efficient overall urea electrolysis. 2020 , 395, 125166	31
284	Ni/Co bimetallic organic framework nanosheet assemblies for high-performance electrochemical energy storage. 2020 , 12, 10685-10692	24
283	Practical MOF Nanoarchitectonics: New Strategies for Enhancing the Processability of MOFs for Practical Applications. 2020 , 36, 4231-4249	39
282	Ship in a Bottle Design of ZIF-9@CoAl LDH hybrid compound as a high performance asymmetric supercapacitor. 2020 , 44, 7528-7540	5
281	Extended Metal-Organic Frameworks on Diverse Supports as Electrode Nanomaterials for Electrochemical Energy Storage. 2020 , 3, 3964-3990	46
280	Two-dimensional (2D) electrode materials for supercapacitors. 2021 , 41, 498-505	24
279	Spatial-controlled etching of coordination polymers. 2021 , 32, 635-641	2
278	Selective Formation of Polyaniline Confined in the Nanopores of a Metal-Organic Framework for Supercapacitors. 2021 , 27, 3560-3567	10
277	Polyaniline-TiO ₂ -based photocatalysts for dyes degradation. 2021 , 78, 4743-4777	16
276	NiO nanoparticles decorated hexagonal Nickel-based metal-organic framework: Self-template synthesis and its application in electrochemical energy storage. 2021 , 581, 709-718	19
275	Review of polymeric materials for energy harvesting and storage applications. 2021 , 60, 626-649	1
274	Redox active covalent organic framework-based conductive nanofibers for flexible energy storage device. 2021 , 171, 248-256	17

273	Carbon Related Materials. 2021 ,	2
272	Ultrathin holey reduced graphene oxide/Ni(picolinic acid) ₂ papers for flexible battery-supercapacitor hybrid devices. 2021 , 408, 127302	9
271	Design and construction of ZIF(8 and 67) supported Fe ₃ O ₄ composite as advanced materials of high performance supercapacitor. 2021 , 126, 114442	12
270	Toward high-performance and flexible all-solid-state micro-supercapacitors: MOF bulk vs. MOF nanosheets. 2021 , 413, 127520	15
269	Sandwich-like GO@Co(OH) ₂ /PANI derived from MOFs as high-performance electrode for supercapacitors. 2021 , 863, 157699	10
268	Novel ZIF67/Mn/MWCNTs decorated with layer double hydroxide supercapacitor electrodes. 2021 , 368, 137577	8
267	A new two-dimensional covalent organic framework with intralayer hydrogen bonding as supercapacitor electrode material. 2021 , 312, 110766	7
266	Post synthetic annealing of zeolitic imidazolate framework-67 for high-performance hybrid supercapacitors. 2021 , 542, 148716	9
265	Polyaniline/reduced graphene oxide nanosheets on TiO ₂ nanotube arrays as a high-performance supercapacitor electrode: Understanding the origin of high rate capability. 2021 , 368, 137615	8
264	The electrochemical kinetics of cerium selenide nano-pebbles: the design of a device-grade symmetric configured wide-potential flexible solid-state supercapacitor. 2021 , 3, 1057-1066	5
263	Necklace-like C-ZIF-8@MWCNTs fabricated by electrochemical deposition towards enhanced supercapacitor. 2021 , 853, 157368	12
262	Interweaving polyaniline and a metal-organic framework grown in situ for enhanced supercapacitor behavior. 2021 , 854, 157181	12
261	Metal-organic frameworks as diverse chemical applications. 2021 , 349-364	
260	A well-controlled three-dimensional tree-like core-shell structured electrode for flexible all-solid-state supercapacitors with favorable mechanical and electrochemical durability. 2021 , 9, 16099-16107 ⁴	
259	Ten polytorsional-amide-induced helical-based coordination polymers with difunctional electrochemical activities. 2021 , 23, 1263-1271	3
258	Design and Synthesis of Conductive Metal-Organic Frameworks and Their Composites for Supercapacitors. 2021 , 8, 1021-1034	11
257	MOF/PEDOT/HPMo-based polycomponent hierarchical hollow micro-vesicles for high performance flexible supercapacitors. 2021 , 9, 2948-2958	14
256	Hybrid dual-function thermal energy harvesting and storage technologies: towards self-chargeable flexible/wearable devices. 2021 , 50, 9983-10013	3

255	Recent advances in metal-organic framework-based electrode materials for supercapacitors. 2021 , 50, 11701-11710	23
254	Scalable electrode materials with nanoporous current collector shells for supercapacitors with ultrahigh areal and volumetric capacitances. 2021 , 9, 21302-21312	3
253	Hexagonal petal-like cobalt oxide nanowire arrays encapsulated by MOF-derived Co/N-codoped carbon for boosting electrochemical capacitor behaviour. 2021 , 5, 6969-6977	1
252	Electrochemical aspects of metal-organic frameworks. 2021 , 65-109	1
251	Magnetic molecularly imprinting polymers, reduced graphene oxide, and zeolitic imidazolate frameworks modified electrochemical sensor for the selective and sensitive detection of catechin. 2021 , 188, 71	5
250	Envisaging Future Energy Storage Materials for Supercapacitors: An Ensemble of Preliminary Attempts. 2021 , 6, 1127-1161	3
249	Recent advances on zeolitic imidazolate -67 metal-organic framework-derived electrode materials for electrochemical supercapacitors. 2021 , 34, 102195	10
248	A Cu ₄ cluster-based MOF as a supercapacitor electrode material with ultrahigh capacitance. 2021 , 27, 1699-1707	2
247	Electroactive and Sustainable Cu-MOF/PEDOT Composite Electrocatalysts for Multiple Redox Mediators and for High-Performance Dye-Sensitized Solar Cells. 2021 , 13, 8435-8444	6
246	Exceptional Capacitance Enhancement of a Non-Conducting COF through Potential-Driven Chemical Modulation by Redox Electrolyte. 2021 , 11, 2003626	6
245	Postsynthetic-Modified PANI/MOF Composites with Tunable Thermoelectric and Photoelectric Properties. 2021 , 27, 5011-5018	6
244	Thermo-induced nanocomposites with improved catalytic efficiency for oxygen evolution. 2021 , 64, 1556-15624	
243	Layer-by-layer assembled free-standing and flexible nanocellulose/porous Co ₃ O ₄ polyhedron hybrid film as supercapacitor electrodes. 2021 , 4, 306-316	55
242	Disclosure of charge storage mechanisms in molybdenum oxide nanobelts with enhanced supercapacitive performance induced by oxygen deficiency. 2021 , 40, 2447-2454	14
241	Weak Coordination Bond of Chloromethane: A Unique Way to Activate Metal Node Within an Unstable Metal-Organic Framework DUT-34. 2021 , 42, 658-666	6
240	Recent Progress on Conductive Metal-Organic Framework Films. 2021 , 8, 2002151	14
239	A Covalent Black Phosphorus/Metal-Organic Framework Hetero-nanostructure for High-Performance Flexible Supercapacitors. 2021 , 133, 10454-10462	3
238	High-performance zeolitic imidazolate frameworks derived three-dimensional Co ₃ S ₄ /polyaniline nanocomposite for supercapacitors. 2021 , 35, 102303	5

237	A Covalent Black Phosphorus/Metal-Organic Framework Hetero-nanostructure for High-Performance Flexible Supercapacitors. 2021 , 60, 10366-10374	32
236	Fibre-based composites from the integration of metal-organic frameworks and polymers. 2021 , 6, 605-621	37
235	Metal-Organic Frameworks Nanocomposites with Different Dimensionalities for Energy Conversion and Storage. 2100346	25
234	A review on polyaniline composites: Synthesis, characterization, and applications. 2021 , 42, 3142-3157	5
233	Improved Electrochemical Performances of Graphene Hybrids Embedded with Silica as the Functional Connection Layer for Supercapacitors. 2021 , 36, 102315	3
232	Cerium-Based Metal-Organic Framework Nanocrystals Interconnected by Carbon Nanotubes for Boosting Electrochemical Capacitor Performance. 2021 , 13, 16418-16426	14
231	Imine-Nitrogen-Doped Carbon Nanotubes for the Electrocatalytic Reduction of Flue Gas CO ₂ . 2021 , 8, 1792-1797	0
230	Hybridization of Emerging Crystalline Porous Materials: Synthesis Dimensionality and Electrochemical Energy Storage Application. 2100321	11
229	A conductive chlorine ion-imprinted polymer threaded in metal-organic frameworks for electrochemically selective separation of chloride ions. 2021 , 412, 128576	8
228	Tailored Hierarchical Porous Carbon through Template Modification for Antifreezing Quasi-Solid-State Zinc Ion Hybrid Supercapacitors. 2021 , 2, 2000112	1
227	Polyoxometalate-Based Metal-Organic Framework/Polypyrrole Composites toward Enhanced Supercapacitor Performance. 2021 , 2021, 2063-2069	5
226	All-in-One Hollow Flower-Like Covalent Organic Frameworks for Flexible Transparent Devices. 2021 , 31, 2010306	6
225	Nanocomposites of MXene for industrial applications. 2021 , 862, 158547	19
224	Metal-Organic Frameworks and Their Derived Functional Materials for Supercapacitor Electrode Application. 2021 , 2, 2100024	9
223	Fluorinated pillared-layer metal-organic framework microrods for improved electrochemical cycling stability. 2021 , 32, 3817-3817	12
222	Metal-organic frameworks as highly efficient electrodes for long cycling stability supercapacitors. 2021 , 46, 18179-18206	12
221	Conferring supramolecular guanosine gel nanofiber with ZIF-67 for high-performance oxygen reduction catalysis in rechargeable zinc-air batteries. 2021 , 286, 119888	19
220	Assembly of Copolymer and Metal-Organic Framework HKUST-1 to Form CuS/CNFs Intertwining Network for Efficient Electrocatalytic Hydrogen Evolution. 2021 , 11,	1

219	Synthesis of nickel-metal organic framework nanoplates with pyridine modulation and application to supercapacitors. 2021 , 38, 102528	4
218	Multifunctional Self-Charging Electrochromic Supercapacitors Driven by Direct-Current Triboelectric Nanogenerators. 2021 , 31, 2104348	13
217	Enhanced energy storage ability of UIO66 active material on acid-treated carbon cloth for flexible supercapacitors. 2021 , 380, 138241	4
216	Ragone Plots for Electrochemical Double-Layer Capacitors. 2021 , 4, 1291-1303	7
215	Supercapacitor electrodes based on metal-organic compounds from the first transition metal series. 2021 , 3, e12106	9
214	Electrically Conductive Metal-Organic Frameworks for Electrocatalytic Applications. 2100100	4
213	Advances in Si and SiC Materials for High-Performance Supercapacitors toward Integrated Energy Storage Systems. 2021 , 17, e2101775	4
212	Facile synthesis of ZIF-8@poly(3,4-ethylenedioxythiophene):poly(4-styrenesulfonate) and its application as efficient electrochemical sensor for the determination dichlorophenol. 2021 , 277, 116769	5
211	Solid-State, Single-Anion-Conducting Networks for Flexible and Stable Supercapacitor Electrolytes. 2021 , 3, 4168-4176	1
210	Hierarchical Co ₃ S ₄ /CoS/MoS ₂ leaf-like nanoflakes array derived from Co-ZIF-L as an advanced anode for flexible supercapacitor. 2021 , 870, 159393	9
209	Achieving high initial coulombic efficiency and low voltage dropping in Li-rich Mn-based cathode materials by Metal-Organic frameworks-derived coating. 2021 , 499, 229967	11
208	Fabrication and properties of polyaniline/ramie composite fabric based on in situ polymerization. 096739112110283	
207	Recent advances on redox active composites of metal-organic framework and conducting polymers as pseudocapacitor electrode material. 2021 , 145, 110854	13
206	Recent advances and challenges of electrode materials for flexible supercapacitors. 2021 , 438, 213910	60
205	Design principles and direct applications of cobalt-based metal-organic frameworks for electrochemical energy storage. 2021 , 438, 213872	20
204	Oxygen vacancies enhancing capacitance of MgCo ₂ O ₄ for high performance asymmetric supercapacitors. 2021 , 869, 159294	7
203	Metal-Organic Framework-Derived Trimetallic Nanocomposites as Efficient Bifunctional Oxygen Catalysts for Zinc-Air Batteries. 2021 , 13, 33209-33217	3
202	Recent advances in the development of electronically and ionically conductive metal-organic frameworks. 2021 , 439, 213915	40

201	Nanocomposite of p-type conductive polymer/iron (III) trimesic (Fe-BTC) metal-organic frameworks: synthesis, characterisation and pseudocapacitance performance. 1-9	0
200	Metal/covalent-organic frameworks for electrochemical energy storage applications. 2021 , 3, e12133	8
199	A green and template-free electropolymerization of imipramine. The decoration of sponge-like polymer film with gold nanoparticles. 2021 , 894, 115340	2
198	Synthesis of nickel cobalt manganese metal organic framework@high quality graphene composites as novel electrode materials for high performance supercapacitors. 2021 , 895, 115452	1
197	Secondary Dopants of Electrically Conducting Polyanilines. 2021 , 13,	1
196	Review of Pristine Metal-Organic Frameworks for Supercapacitors: Recent Progress and Perspectives. 2021 , 35, 12884-12901	8
195	Development of Eu-based metal-organic frameworks (MOFs) for luminescence sensing and entrapping of arsenate ion. 2021 , 236, 118102	5
194	Binder-free and flexible delta-MnO ₂ @multiwalled carbon nanotubes as high-performance cathode material for aqueous magnesium ion battery. 2021 , 32,	1
193	A review of alternative polymer electrolyte membrane for fuel cell application based on sulfonated poly(ether ether ketone).	8
192	High performance flexible silk fabric electrodes with antibacterial, flame retardant and UV resistance for supercapacitors and sensors. 2021 , 390, 138895	4
191	Cerium based metal organic framework derived composite with reduced graphene oxide as efficient supercapacitor electrode. 2021 , 41, 102999	3
190	Bioinspired Neuron-like Adsorptive Networks for Heavy Metal Capture and Tunable Electrochemically Mediated Recovery. 2021 , 13, 45077-45088	2
189	Universal Strategy to Prepare a Flexible Photothermal Absorber Based on Hierarchical Fe-MOF-74 toward Highly Efficient Solar Interfacial Seawater Desalination. 2021 , 13, 45944-45956	7
188	Green-synthesized Zn-BTC metal-organic frameworks as a highly efficient material to improving electrochemical pseudocapacitance performance of P-type conductive polymer. 1	0
187	Electrodeposition of Binder-Free Peptide/Co(OH) ₂ Nanohybrid Electrodes for Solid-State Symmetric Supercapacitors.	2
186	Advances and perspectives of ZIFs-based materials for electrochemical energy storage: Design of synthesis and crystal structure, evolution of mechanisms and electrochemical performance. 2021 , 43, 531-531	9
185	Electrophoretic deposition of metal-organic framework derived porous copper oxide anode for lithium and sodium ion rechargeable cells. 2021 , 879, 160462	4
184	Two-dimensional Mg-doped MnO ₂ @ carbon cloth nanosheets for high performance typical flexible solid supercapacitor. 2021 , 877, 160243	13

183	Wire spherical-shaped Co-MOF electrode materials for high-performance all-solid-state flexible asymmetric supercapacitor device. 2021 , 879, 160423	9
182	MOF-derived hierarchical carbon network as an extremely-high-performance supercapacitor electrode. 2021 , 394, 139058	20
181	Metal-organic frameworks based nanostructure platforms for chemo-resistive sensing of gases. 2021 , 445, 214073	6
180	Heteroatom-doped porous carbon derived from zeolite imidazole framework/polymer core-shell fibers as an electrode material for supercapacitor. 2021 , 225, 109256	6
179	General fabrication of metal-organic frameworks on electrospun modified carbon nanofibers for high-performance asymmetric supercapacitors. 2021 , 603, 199-209	14
178	Fiber-intercepting-particle structured MOF fabrics for simultaneous solar vapor generation and organic pollutant adsorption. 2022 , 428, 131365	10
177	Design and synthesis of transition metal oxide/zeolitic imidazolate framework-67 composites. 2022 , 429, 132146	4
176	Bi-Fe chalcogenides anchored carbon matrix and structured core-shell Bi-Fe-P@Ni-P nanoarchitectures with appealing performances for supercapacitors. 2022 , 606, 1352-1363	8
175	Porphyrin-assisted synthesis of hierarchical flower-like polypyrrole arrays based flexible electrode with high areal capacitance. 2022 , 428, 131089	1
174	Metal-organic framework for batteries and supercapacitors. 2021 , 19-35	0
173	Recent Advances on Molecular Crystalline Luminescent Materials for Optical Waveguides. 2001768	11
172	A Ti3C2TX@PEDOT composite for electrode materials of supercapacitors. 2021 , 881, 114958	6
171	Conductive electrodes of metallic-organic compound CHCuS nanowires for all-solid-state flexible supercapacitors. 2021 , 13, 6921-6926	5
170	Electrode Material Selection for Supercapacitors. 2021 , 159-200	6
169	Role of graphene in solid-state asymmetric supercapacitors. 2021 , 123-147	
168	Design and synthesis of a 3D flexible film electrode based on a sodium carboxymethyl cellulose/polypyrrole/reduced graphene oxide composite for supercapacitors. 2021 , 45, 6630-6639	1
167	Polymer Nanocomposites for Ion Transport. 2021 , 85-127	
166	Recent progress in emerging metal and covalent organic frameworks for electrochemical and functional capacitors. 2021 , 9, 8832-8869	16

165	Recent Progress of Nanoscale Metal-Organic Frameworks in Synthesis and Battery Applications. 2021 , 8, 2001980	27
164	Hierarchical ZnCo Nanowires as Advanced Electrodes for All Solid State Asymmetric Supercapacitors. 2018 , 8, 1702014	168
163	Self-healing flexible and strong hydrogel nanocomposites based on polyaniline for supercapacitors. 2020 , 26, 3015-3025	18
162	Migration-Prevention Strategy to Fabricate Single-Atom Fe Implanted N-Doped Porous Carbons for Efficient Oxygen Reduction. 2019 , 2019, 1768595	22
161	Metal-Organic Frameworks Constructed from Iron-Series Elements for Supercapacitors. 2100115	19
160	Wood-Derived Monolithic Ultrathick Porous Carbon Electrodes Filled with Reduced Graphene Oxide for High-Performance Supercapacitors with Ultrahigh Areal Capacitances. 2021 , 8, 4328	2
159	Nitrogen doped CuCoO nanoparticles anchored on beaded-like carbon nanofibers as an efficient bifunctional oxygen catalyst toward zinc-air battery. 2021 , 608, 1105-1115	1
158	Electrochemical Production of 2,5-Furandicarboxylic from 5-Hydroxymethylfurfural Using Ultrathin Co(OH) ₂ on ZIF-67.	2
157	Preparation of high-performance flexible microsupercapacitors based on papermaking and laser-induced graphene techniques. 2021 , 401, 139490	1
156	2 D -Materials-Based Heterostructures for EC Energy Conversion. 2022 , 53-128	
155	MOFs and their derivatives as Sn-based anode materials for lithium/sodium ion batteries.	4
154	Electrochemical technologies for lithium recovery from liquid resources: A review. 2022 , 154, 111813	6
153	electrochemical polymerization of aniline on flexible conductive substrates for supercapacitors and non-enzymatic ascorbic acid sensors. 2021 , 33,	0
152	One-dimensional metal-organic frameworks for electrochemical applications. 2021 , 298, 102562	8
151	Synergetic Effect of Graphene Oxide and Metal Organic Framework Nanocomposites as Electrocatalysts for Hydrogen Evolution Reaction. 2021 , 23-54	0
150	High-Quality Carbon Nanotubes and Graphene Produced from MOFs for Supercapacitor Application. 2020 , 87-117	
149	Microporous MOF as nanogen facilitating diffusion-coupled charge transfer near the percolation threshold in a polyaniline pseudo-supercapacitor.	1
148	Hierarchical porous carbon derived from elm bark mucus for efficient energy storage and conversion. 2022 , 277, 125450	0

147	Metal-organic framework-based materials for flexible supercapacitor application. 2022 , 452, 214300	21
146	An overview of supercapacitors electrode materials based on metal organic frameworks and future perspectives.	0
145	Two-Dimensional Metal-Organic Framework Nanosheets Grown on Carbon Fiber Paper Interwoven with Polyaniline as an Electrode for Supercapacitors. 2021 , 35, 19818-19826	3
144	Microwave-Induced Polyindole on Cobalt MOF- Electrodes for High-Performance Supercapacitors.	1
143	Resistive Memory Devices Based on Reticular Materials for Electrical Information Storage. 2021 , 13, 56777-56792	2
142	Sodium Carboxymethylcellulose as Versatile Biotemplates of Zeolitic Imidazolate Frameworks for Reduced Graphene Oxide-/N-Doped Porous Carbon Hydrogel Electrodes for Supercapacitors.	0
141	Polyaniline Nanowire Array-Assisted Surface Oxidation of Carbon Cloth for Superior Flexible Solid-State Supercapacitors.	
140	Review Metal-Organic Framework-Based Supercapacitors.	1
139	Fabrication of uniform MnO ₂ layer-modified activated carbon cloth for high-performance flexible quasi-solid-state asymmetric supercapacitor. 2022 , 57, 3497	1
138	Two isostructural Ni/Co(II) MOFs based on nitrogen heterocyclic ligands and their derived carbon materials for HER performance. 2022 , 1252, 132184	3
137	Coupling Bimetallic NiMn-MOF Nanosheets on NiCo ₂ O ₄ Nanowire Arrays with Boosted Electrochemical Performance for Hybrid Supercapacitor. 2022 , 149, 111707	1
136	ZIF-8/PI Nanofibrous Membranes With High-Temperature Resistance for Highly Efficient PM Air Filtration and Oil-Water Separation.. 2021 , 9, 810861	3
135	Wearable Self-Powered Smart Sensors for Portable Nutrition Monitoring.. 2022 ,	7
134	Electrode Materials for Supercapacitors in Hybrid Electric Vehicles: Challenges and Current Progress. 2022 , 7, 6	5
133	A flexible, lightweight and stretchable all-solid-state supercapacitor based on warp-knitted stainless-steel mesh for wearable electronics. 004051752110698	1
132	State of the art developments and prospects of metal-organic frameworks for energy applications.. 2021 ,	4
131	Modified Metal-Organic Frameworks for Electrochemical Applications. 2100200	4
130	Metal Organic Frameworks Based Nanomaterial: Synthesis and Applications; Removal of Heavy Metal Ions from Waste Water. 2022 , 377-392	1

129	Three-Dimensional ZnCo-MOF Modified Graphene Sponge: Flexible Electrode Material for Symmetric Supercapacitor. 2022 , 36, 1735-1745	2
128	Metal-organic framework/conductive polymer hybrid materials for supercapacitors. 2022 , 26, 101387	6
127	Construction of advanced zeolitic imidazolate framework derived cobalt sulfide/MXene composites as high-performance electrodes for supercapacitors.. 2022 , 615, 282-292	2
126	Electrochemical polymerization of polypyrrole on carbon cloth@ZIF67 using alizarin red S as redox dopant for flexible supercapacitors. 2022 , 407, 139869	2
125	Revealing the intrinsic effects of introduced carbon nanotubes for Bi ₂ O ₃ energy storage materials. 2022 , 409, 139948	1
124	Pillared-layer Ni-MOF nanosheets anchored on TiC MXene for enhanced electrochemical energy storage.. 2022 , 614, 130-137	11
123	Interfacial Assembly of Functional Mesoporous Carbon-Based Materials into Films for Batteries and Electrocatalysis. 2101998	4
122	Advanced applications of 2/3D nanocellulose-based hybrid materials prepared via in-situ mineralization.	0
121	Framework materials for supercapacitors. 2022 , 11, 1005-1046	6
120	Research progress on metal and covalent organic framework-based materials for high-performance supercapacitors. 2022 , 37, 109-135	4
119	Unveiling the Redox Electrochemistry of MOF-Derived fcc-NiCo@GC Polyhedron as an Advanced Electrode Material for Boosting Specific Energy of the Supercapattery.. 2022 , e2107284	4
118	Effect of framework metal ions of analogous magnetic porous coordination polymers on adsorption of cationic and anionic dyes from aqueous solution. 1	
117	Recent Advancements in Electrochemical Deposition of Metal-Based Electrode Materials for Electrochemical Supercapacitors.. 2022 , e202200013	1
116	ZnCo-MOF on solution-free CuO nanowires for flexible hybrid energy storage devices. 2022 , 23, 100655	10
115	Strip-like Co-based metal-organic framework as electrode material for supercapacitors. 2022 , 33, 8256-8269	
114	Recent advancements in metal-organic frameworks composites based electrochemical (bio)sensors.. 2022 , 189, 161	2
113	Shaping of metal-organic frameworks, a critical step toward industrial applications. 2022 , 5, 1070-1091	0
112	Aptamer-functionalized metal organic frameworks as an emerging nanoprobe in the food safety field: Promising development opportunities and translational challenges. 2022 , 116622	3

111	A bi-functional Co/Ni layered double hydroxide three-dimensional porous array electrode derived from ZIF-L(Co)@ZIF-L(Co, Ni) for oxygen evolution reaction and supercapacitors. 2022 ,	2
110	In situ anodic electrodeposition of two-dimensional conductive metal-organic framework@nickel foam for high-performance flexible supercapacitor. 2022 , 526, 231163	7
109	Highly stable supercapacitive performance of a (3, 4, 6- c)-connected 2D Co-MOF.	1
108	High capacitance of polypyrrole hydrogel electrode synthesized by polymerization of conjugated pyrrole salt. 2022 , 412, 140108	2
107	Amine-Functionalized Metal-Organic Frameworks: from Synthetic Design to Scrutiny in Application. 2022 , 459, 214445	1
106	3D juniperus sabina-like Ni/Co metal-organic framework as an enhanced electrode material for supercapacitors. 2022 , 310, 123056	0
105	Flexible all-solid-state supercapacitors with high capacitance, long cycle life, and wide operational potential window: Recent progress and future perspectives. 2022 , 50, 104223	4
104	ZIF-67 derived in-situ grown NiCo3S4-GN/CNT interlinked conductive networks for high-performance especially cycling stable supercapacitors. 2022 , 194, 10-22	2
103	Controllable synthesis of nickel doped hierarchical zinc MOF with tunable morphologies for enhanced supercapability.. 2022 , 618, 375-385	2
102	Facile Synthesis and Characterization of the Mn-MOF Electrode Material for Flexible Supercapacitors. 2022 , 19,	0
101	Ternary Composite of Molybdenum Disulfide-Graphene Oxide-Polyaniline for Supercapacitor. 2021 , 168, 120542	3
100	Recent advances in solid-state supercapacitors: From emerging materials to advanced applications.	1
99	Facile synthesis of novel PANI covered Y2O3/ZnO nanocomposite: A promising electrode material for supercapacitor. 2022 , 106883	0
98	Metal-organic framework-derived MCF/PPy/MoS2 hybrid nanocomposites as an anode for lithium-ion batteries.	0
97	Recent advances in MOFs for electrochemical energy storage and conversion devices. 2022 , 11-33	0
96	Novel MOF-derived 3D hierarchical needlelike array architecture with excellent EMI shielding, thermal insulation and supercapacitor performance.. 2022 , 14, 7322-7331	6
95	MOFs-carbon nanocomposites for supercapacitors. 2022 , 413-437	
94	Recent Advancements of Polyaniline/Metal Organic Framework (PANI/MOF) Composite Electrodes for Supercapacitor Applications: A Critical Review.. 2022 , 12,	6

93	Preparation of Zeolitic Imidazolate Framework-8-Based Nanofiber Composites for Carbon Dioxide Adsorption.. 2022 , 12,	1
92	Performance research of PVA (Polyvinyl alcohol) based on HKUST-1 as additive.	
91	Self-sacrifice MOFs for heterogeneous catalysis: Synthesis mechanisms and future perspectives. 2022 ,	6
90	Efficient metal-oriented electrodeposition of Co-based metal-organic framework with superior capacitive performance.. 2022 ,	0
89	Other nanocomposites of MOFs for supercapacitors. 2022 , 461-484	
88	Flexible supercapacitors based on nanocomposites of MOFs. 2022 , 439-459	
87	Multilayered Mesoporous Composite Nanostructures for Highly Sensitive Label-Free Quantification of Cardiac Troponin-I. 2022 , 12, 337	1
86	The supercapacitor and photocatalytic supermolecule materials constructed by 4 β -pyridine and {PMo ₁₂ O ₄₀ }. 2022 , 123235	1
85	Flexible Supercapacitors. 2022 , 579-617	
84	Heterogeneous Ni-MOF/V ₂ CTx/MXene hierarchically-porous nanorods for robust and high energy density hybrid supercapacitors.	3
83	Nanostructured Materials for Supercapacitors. 2022 , 1-26	
82	Integrating MXene waste materials into value-added products for smart wearable self-powered healthcare monitoring. 2022 , 100908	1
81	A Novel Znco-Mof/Ppy/Ag ₂ o Ternary Composites for High-Performance Flexible Supercapacitors.	
80	Nitrogen-doped porous nanocarbons-conducting polymer composite film electrodes for flexible supercapacitors.	
79	Recent Progresses of Metal-Organic Framework-Based Materials in Electrochemical Energy Storage. 2022 , 100174	0
78	Electrochemical properties of modified poly(4-aminothiophenol)-Zn-Ni MOF-reduced graphene oxide nanocomposite for high-performance supercapacitors. 2022 , 324, 124724	0
77	Advances in Environmental Applications of MetalOrganic Frameworks. 25-52	
76	Advances in pseudocapacitive and battery-like electrode materials for high performance supercapacitors.	11

- 75 Tungsten oxide-based nanomaterials for supercapacitors: Mechanism, fabrication, characterization, multifunctionality, and electrochemical performance. **2022**, 130, 100978 1
- 74 Free-standing 3D core-shell architecture of Ni₃S₂@NiCoP as an efficient cathode material for hybrid supercapacitors. **2022**, 625, 565-575 0
- 73 Supercapacitors: a review on electrode materials and models based on conjugated polymers. **2022**, 335-365
- 72 Conjugated polymer-based electrodes for flexible all-solid-state supercapacitors. **2022**, 243-281
- 71 Nanoarchitectonics of conjugated polymers in supercapacitor applications. **2022**, 175-218
- 70 Synthesis and electrochemical analysis of S/ZIF-67@rGO composite cathodes for lithium-sulfur batteries. **2022**, 24, 1
- 69 Metal-organic framework (MOF) composites as promising materials for energy storage applications. **2022**, 102732 6
- 68 Overview of MXene and conducting polymer matrix composites for electromagnetic wave absorption. 12
- 67 Approaches to Enhancing Electrical Conductivity of Pristine Metal-Organic Frameworks for Supercapacitor Applications. 2203307 3
- 66 MOF-derived Metal Sulfides for Electrochemical Energy Applications. **2022**, 1
- 65 Facile Synthesis of Conductive Metal-Organic Frameworks Nanotubes for Ultrahigh-Performance Flexible NO Sensors. 2200581 0
- 64 Recent Trends and Advances in Porous Metal-Organic Framework Nanostructures for the Electrochemical and Optical Sensing of Heavy Metals in Water. 1-25 2
- 63 Selectively Confined Poly(3,4-Ethylenedioxythiophene) in the Nanopores of a Metal-Organic Framework for Electrochemical Nitrite Detection with Reduced Limit of Detection.
- 62 Research Progress on MXene-Based Flexible Supercapacitors: A Review. **2022**, 12, 1099 1
- 61 In-situ immobilization cobalt-based metal-organic frameworks nanosheets on carbon composites for supercapacitors. **2022**, 55, 105319 0
- 60 Template-free electrodeposition of sponge-like porous polymer interwoven with the bi-metallic metal-organic framework and reduced graphene oxide and application in energy storage device. **2022**, 55, 105381 0
- 59 Recent advances in metal-based nanoporous materials for sensing environmentally-related biomolecules. **2022**, 307, 135999
- 58 CuS/polyaniline nanoarray electrodes for application in high-performance flexible supercapacitors. **2022**, 55, 105385 1

57	Advanced MOF-based electrode materials for supercapacitors and electrocatalytic oxygen reduction.	0
56	A helical polypyrrole nanotube interwoven zeolitic imidazolate framework and its derivative as an oxygen electrocatalyst. 2022 , 58, 11288-11291	1
55	TiO ₂ @MOF-919(Fe/Cu) as a sorbent for the extraction of benzoylurea pesticides from irrigation water and fruit juices. 2022 , 14, 3153-3159	0
54	Surface-halogen-introduced 2D NiCo bimetallic MOFs via a modulation method for elevated electrochemical glucose sensing.	0
53	Wearable Supercapacitors. 2022 , 285-325	0
52	A Concise Summary of Recent Research on MOF Based Flexible Supercapacitors. 2022 , 141-158	0
51	Metal-Organic Framework Materials for Electrochemical Supercapacitors. 2022 , 14,	1
50	Design of metal phosphite decorated sponge materials for high-performance flexible battery-type supercapacitors.	0
49	Surface Structure Construction of Fibers in a Conductive Metal-Organic Framework/Metal/Cotton Electrode for Flexible Textile Supercapacitors. 2022 , 4, 4595-4604	0
48	Smart Electronic Textile-Based Wearable Supercapacitors. 2203856	3
47	Effects of pyridinic N of carboxylic acid on the polymerization of polyaniline and its supercapacitor performances. 2022 , 55, 105740	0
46	Target-initiated DNA release-directed catalytic hairpin assembly-based ultrasensitive cyclic amplification sensor detection of serum miRNA. 2022 , 1232, 340437	0
45	Energy Technology Based on Conductive Polymers. 2022 , 205-273	0
44	Plasma-Polymerized Aniline-Diphenylamine Thin Film Semiconductors. 2022 , 12, 1441	0
43	Conductive Covalent Organic Frameworks Meet Micro-Electrical Energy Storage: Mechanism, Synthesis and Applications A Review. 2022 , 12, 1405	1
42	Emerging Synthetic Methods and Applications of MOF-Based Gels in Supercapacitors, Water Treatment, Catalysis, Adsorption, and Energy Storage. 2200469	2
41	Hierarchically Porous Metal-Organic Frameworks: Synthetic Strategies and Applications. 2200187	0
40	MXene/carboxymethylcellulose-polyaniline (Ti ₃ C ₂ T _x /CMC-PANI) film as flexible electrode for high-performance asymmetric supercapacitors. 2022 , 436, 141408	0

- 39 Design, electrosynthesis and electrochromic properties of conjugated microporous polymer films based on butterfly-shaped diphenylamine-thiophene derivatives. **2022**, 436, 141450 0
- 38 Preparation of ZnCo-MOF/PPy/Ag₂O ternary composites for high-performance flexible supercapacitors. **2023**, 931, 167510 1
- 37 Deposition of ZIF-67 and polypyrrole on current collector knitted from carbon nanotube-wrapped polymer yarns as a high-performance electrode for flexible supercapacitors. **2023**, 631, 77-85 0
- 36 Preparation of metal organic framework materials with defects via a mixed-metallic centers strategy for enhanced removal of organic dye. **2023**, 370, 121016 0
- 35 Metal-Organic Framework Composites from Mechanochemical Process. 0
- 34 Exploration of metal organic frameworks and covalent organic frameworks for energy-related applications. **2023**, 477, 214968 2
- 33 Materials design and preparation for high energy density and high power density electrochemical supercapacitors. **2023**, 152, 100713 0
- 32 Nitrogenous MOFs and their composites as high-performance electrode material for supercapacitors: Recent advances and perspectives. **2023**, 478, 214967 0
- 31 Recent progress of transition metal-based biomass-derived carbon composites for supercapacitor. 0
- 30 A one-dimensional conductive metal-organic framework with extended π conjugated nanoribbon layers. **2022**, 13, 0
- 29 Rapid Measurement of Residual Kanamycin Using Highly Specific Biomimetic Recognition Paper-Based Chip. **2022**, 94, 17567-17576 0
- 28 Electrochemical behavior of in-situ electrosynthesized 3D metal-organic framework (MOF) as ultra-stable thin film on nickel foam. **2023**, 441, 141792 0
- 27 Metal organic frameworks as self-sacrificing modalities for potential environmental catalysis and energy applications: Challenges and perspectives. **2023**, 480, 215011 0
- 26 Chemistry and potential candidature of metal-organic frameworks for electrochemical energy storage devices. **2023**, 242, 107659 0
- 25 Novel isostructural iron-series-MOF₂ calcined derivatives as positive and negative electrodes: A new strategy to obtain matched electrodes in a supercapacitor device. 2
- 24 Cobalt metal-organic framework derived cobalt-nitrogen-carbon material for overall water splitting and supercapacitor. **2022**, 0
- 23 A three-dimensional Mn-based MOF as a high-performance supercapacitor electrode. 0
- 22 Intrinsically Conducting Polymer Composites as Active Masses in Supercapacitors. **2023**, 15, 730 2

- 21 In situ synthesis of Non-toxic Cobalt-Benzimidazole Metal-Organic Framework decorated Reduced Graphene Oxide composite for Asymmetric Supercapacitor Applications. ○
- 20 Integrated carbon nanotube and triazine-based covalent organic framework composites for high capacitance performance. ○
- 19 Synthesis of Metal Organic Frameworks (MOFs) and Their Derived Materials for Energy Storage Applications. **2023**, 5, 140-166 ○
- 18 Free-standing reduced graphene oxide/carboxymethylcellulose-polyaniline (RGO/CMC-PANI) hybrid film electrode for high-performance asymmetric supercapacitor device. **2023**, 236, 123934 ○
- 17 Metal-organic framework (MOF)/reduced graphene oxide (rGO) composite for high performance CO sensor. **2023**, 204, 108638 ○
- 16 A Hydrothermally Prepared Lithium and Copper MOF Composite as Anode Material for Hybrid Supercapacitor Applications. **2023**, 8, 1 ○
- 15 Co/N Co-Doped MoS₂ with High Pseudocapacitive Performance for Solid-State Flexible Supercapacitors. **2023**, 6, 2570-2581 1
- 14 Incorporation of MnO₂ Nanoflowers into Zinc-Terephthalate Metal-Organic Frameworks for High-Performance Asymmetric Supercapacitors. **2023**, 8, 6982-6993 ○
- 13 Ethanol-Induced Ni²⁺-Intercalated Cobalt Organic Frameworks on Vanadium Pentoxide for Synergistically Enhancing the Performance of 3D-Printed Micro-Supercapacitors. ○
- 12 Transferring and Retaining of Different Polyaniline Nanostructures via Electrophoretic Deposition for Enhanced Sensing Performance. 2300182 ○
- 11 Recent Advances in Two-Dimensional MXene for Supercapacitor Applications: Progress, Challenges, and Perspectives. **2023**, 13, 919 ○
- 10 Design and development of a porous nanorod-based nickel-metal-organic framework (Ni-MOF) for high-performance supercapacitor application. **2023**, 47, 6749-6758 ○
- 9 Electrode materials for Li/Na storage from mechanochemically synthesised MOFs/MXene Composites: A Solvent-free approach. **2023**, 462, 142271 ○
- 8 An Ag@Au-PANI core-shell nanowire network for visible-to-infrared data encryption and supercapacitor applications. **2023**, 11, 7264-7275 ○
- 7 Pouch-Type Asymmetric Supercapacitor Based on Nickel-Cobalt Metal-Organic Framework. **2023**, 16, 2423 ○
- 6 Bioadhesive and electroactive hydrogels for flexible bioelectronics and supercapacitors enabled by a redox-active core-shell PEDOT@PZIF-71 system. ○
- 5 Metal-Organic Framework Based Polymer Fibers: Review on Synthesis and Applications. ○
- 4 A Graphene Oxide-thioamide Polymer Hybrid for High-Performance Supercapacitor Electrodes. ○

- 3 Bridging the Gap between Charge Storage Site and Transportation Pathway in Molecular-Cage-Based Flexible Electrodes. ○
- 2 A nickel-metal-organic framework for an efficient and stable electrode for the oxygen evolution reaction and energy storage. **2023**, ○
- 1 Effective Combination of the Metal Centers in MOF-Based Materials toward Sustainable Oxidation Catalysts. **2023**, 16, 3133 ○