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Coaxial wet-spun yarn supercapacitors for high-energy density and safe wearable electronics

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#	Paper	IF	Citations
947	Wet-Spun Continuous Graphene Films. 2014 , 26, 6786-6795		149
946	Graphene fiber-based asymmetric micro-supercapacitors. 2014 , 2, 9736-9743		156
945	Petal-shaped poly(3,4-ethylenedioxythiophene)/sodium dodecyl sulfate-graphene oxide intercalation composites for high-performance electrochemical energy storage. 2014 , 272, 203-210		41
944	Flexible solid-state electrochemical supercapacitors. 2014 , 8, 274-290		610
943	Controlled functionalization of carbonaceous fibers for asymmetric solid-state micro-supercapacitors with high volumetric energy density. 2014 , 26, 6790-7		217
942	Bismuth oxide nanotubes-graphene fiber-based flexible supercapacitors. 2014 , 6, 8595-600		105
941	Wearable Electronics of Silver-Nanowire/Poly(dimethylsiloxane) Nanocomposite for Smart Clothing. 2015 , 5, 13971		95
940	Design Considerations for Unconventional Electrochemical Energy Storage Architectures. 2015 , 5, 1402115		224
939	A Graphene Fibriform Responzor for Sensing Heat, Humidity, and Mechanical Changes. 2015 , 54, 14951-5		70
938	Transforming Pristine Carbon Fiber Tows into High Performance Solid-State Fiber Supercapacitors. 2015 , 27, 4895-901		176
937	Fabricating Continuous Supercapacitor Fibers with High Performances by Integrating All Building Materials and Steps into One Process. 2015 , 27, 7854-60		152
936	Graphene-Based Fibers: A Review. 2015 , 27, 5113-31		232
935	Stretchable Supercapacitor with Adjustable Volumetric Capacitance Based on 3D Interdigital Electrodes. 2015 , 25, 4601-4606		69
934	Reduced graphene oxide-wrapped MoO ₃ composites prepared by using metal-organic frameworks as precursor for all-solid-state flexible supercapacitors. 2015 , 27, 4695-701		326
933	Chemically Crosslinked Hydrogel Film Leads to Integrated Flexible Supercapacitors with Superior Performance. 2015 , 27, 7451-7		277
932	Recent Progress in Flexible Electrochemical Capacitors: Electrode Materials, Device Configuration, and Functions. 2015 , 5, 1500959		183
931	A Shape-Memory Supercapacitor Fiber. 2015 , 127, 15639-15643		8

930	A Graphene Fibriform Resporor for Sensing Heat, Humidity, and Mechanical Changes. 2015 , 127, 15164-15168		
929	A Shape-Memory Supercapacitor Fiber. 2015 , 54, 15419-23		118
928	Highly conductive, twistable and bendable polypyrrole-carbon nanotube fiber for efficient supercapacitor electrodes. 2015 , 5, 22015-22021		52
927	Hierarchical NiCo ₂ O ₄ @NiMoO ₄ core-shell hybrid nanowire/nanosheet arrays for high-performance pseudocapacitors. 2015 , 3, 14348-14357		184
926	Magnetic-Assisted, Self-Healable, Yarn-Based Supercapacitor. 2015 , 9, 6242-51		248
925	Scalable non-liquid-crystal spinning of locally aligned graphene fibers for high-performance wearable supercapacitors. 2015 , 15, 642-653		151
924	Wearable energy-dense and power-dense supercapacitor yarns enabled by scalable graphene-metallic textile composite electrodes. <i>Nature Communications</i> , 2015 , 6, 7260	17.4	462
923	A review of electrolyte materials and compositions for electrochemical supercapacitors. 2015 , 44, 7484-539		2002
922	Performance of hybrid nanostructured conductive cotton threads as LPG sensor at ambient temperature: preparation and analysis. 2015 , 5, 99253-99269		22
921	A self-healable and highly stretchable supercapacitor based on a dual crosslinked polyelectrolyte. <i>Nature Communications</i> , 2015 , 6, 10310	17.4	500
920	Densely stacked bubble-pillared graphene blocks for high volumetric performance supercapacitors. 2015 , 1, 42-50		33
919	Flexible graphene devices related to energy conversion and storage. 2015 , 8, 790-823		282
918	Microfiber devices based on carbon materials. 2015 , 18, 215-226		50
917	Fabrication of thickness controllable free-standing sandwich-structured hybrid carbon film for high-rate and high-power supercapacitor. 2014 , 4, 7050		27
916	3D porous and ultralight carbon hybrid nanostructure fabricated from carbon foam covered by monolayer of nitrogen-doped carbon nanotubes for high performance supercapacitors. 2015 , 280, 678-686		104
915	A spinneret as the key component for surface-porous graphene fibers in high energy density micro-supercapacitors. 2015 , 3, 5060-5066		33
914	High-performance compressible supercapacitors based on functionally synergic multiscale carbon composite textiles. 2015 , 3, 4729-4737		71
913	Wet-spun, porous, orientational graphene hydrogel films for high-performance supercapacitor electrodes. 2015 , 7, 4080-7		72

912	Semi-metallic, strong and stretchable wet-spun conjugated polymer microfibers. 2015 , 3, 2528-2538	100
911	Conductive graphene fibers for wire-shaped supercapacitors strengthened by unfunctionalized few-walled carbon nanotubes. 2015 , 9, 1352-9	172
910	Fiber-Shaped Supercapacitor. 2015 , 117-145	1
909	Flexible fiber-shaped supercapacitors based on hierarchically nanostructured composite electrodes. 2015 , 8, 1148-1158	165
908	A redox-active gel electrolyte for fiber-shaped supercapacitor with high area specific capacitance. 2015 , 3, 6286-6290	41
907	Biaxially stretchable supercapacitors based on the buckled hybrid fiber electrode array. 2015 , 7, 12492-7	44
906	High-Performance Supercapacitors from Niobium Nanowire Yarns. 2015 , 7, 13882-8	33
905	Low-cost flexible supercapacitors with high-energy density based on nanostructured MnO ₂ and Fe ₂ O ₃ thin films directly fabricated onto stainless steel. 2015 , 5, 12454	160
904	All-carbon solid-state yarn supercapacitors from activated carbon and carbon fibers for smart textiles. 2015 , 2, 598-605	98
903	Aligned carbon nanotube/molybdenum disulfide hybrids for effective fibrous supercapacitors and lithium ion batteries. 2015 , 3, 17553-17557	89
902	Growth of Ultrathin Mesoporous Ni-Mo Oxide Nanosheet Arrays on Ni Foam for High-performance Supercapacitor Electrodes. 2015 , 176, 1343-1351	35
901	Multifunctional responsive fibers produced by dual liquid crystal core electrospinning. 2015 , 3, 8979-8985	25
900	Graphene fiber: a new trend in carbon fibers. 2015 , 18, 480-492	257
899	High-Performance Supercapacitor of Functionalized Carbon Fiber Paper with High Surface Ionic and Bulk Electronic Conductivity: Effect of Organic Functional Groups. 2015 , 176, 504-513	67
898	Superstructured Assembly of Nanocarbons: Fullerenes, Nanotubes, and Graphene. 2015 , 115, 7046-117	381
897	A flexible fiber-shaped supercapacitor utilizing hierarchical NiCo ₂ O ₄ @polypyrrole core-shell nanowires on hemp-derived carbon. 2015 , 3, 17209-17216	107
896	Network-like mesoporous NiCo ₂ O ₄ grown on carbon cloth for high-performance pseudocapacitors. 2015 , 3, 16520-16527	89
895	Printable Solid-State Lithium-Ion Batteries: A New Route toward Shape-Conformable Power Sources with Aesthetic Versatility for Flexible Electronics. 2015 , 15, 5168-77	150

894	Graphene based 2D-materials for supercapacitors. 2015 , 2, 032002	60
893	A facile method to prepare highly compressible three-dimensional graphene-only sponge. 2015 , 3, 15482-15488	80
892	Functionalized carbonaceous fibers for high performance flexible all-solid-state asymmetric supercapacitors. 2015 , 3, 11817-11823	118
891	Wet-spinning of continuous montmorillonite-graphene fibers for fire-resistant lightweight conductors. 2015 , 9, 5214-22	100
890	Graphene-based materials for flexible supercapacitors. 2015 , 44, 3639-65	851
889	Hierarchically structured MnO ₂ /graphene/carbon fiber and porous graphene hydrogel wrapped copper wire for fiber-based flexible all-solid-state asymmetric supercapacitors. 2015 , 3, 11215-11223	218
888	Flexible Electrodes and Electrolytes for Energy Storage. 2015 , 175, 87-95	52
887	Facile synthesis of a Co ₃ O ₄ @carbon nanotubes/polyindole composite and its application in all-solid-state flexible supercapacitors. 2015 , 3, 13011-13015	49
886	Recent advancement of nanostructured carbon for energy applications. 2015 , 115, 5159-223	598
885	Stretchable Wire-Shaped Asymmetric Supercapacitors Based on Pristine and MnO ₂ Coated Carbon Nanotube Fibers. 2015 , 9, 6088-96	258
884	Flexible electroluminescent fiber fabricated from coaxially wound carbon nanotube sheets. 2015 , 3, 5621-5624	55
883	A colour-tunable, weavable fibre-shaped polymer light-emitting electrochemical cell. 2015 , 9, 233-238	271
882	Flexible supercapacitors based on paper substrates: a new paradigm for low-cost energy storage. 2015 , 44, 5181-99	455
881	Stretchable, weavable coiled carbon nanotube/MnO ₂ /polymer fiber solid-state supercapacitors. 2015 , 5, 9387	189
880	Cotton-derived bulk and fiber aerogels grafted with nitrogen-doped graphene. 2015 , 7, 7550-8	60
879	From industrially weavable and knittable highly conductive yarns to large wearable energy storage textiles. 2015 , 9, 4766-75	359
878	High performance carbon nanotube based fiber-shaped supercapacitors using redox additives of polypyrrole and hydroquinone. 2015 , 3, 22353-22360	64
877	Functional Pillared Graphene Frameworks for Ultrahigh Volumetric Performance Supercapacitors. 2015 , 5, 1500771	157

876	Highly Stretchable and Conductive Core-shell Chemical Vapor Deposition Graphene Fibers and Their Applications in Safe Strain Sensors. 2015 , 27, 6969-6975	93
875	Advances and prospects of fiber supercapacitors. 2015 , 3, 20863-20879	92
874	Highly stable GeOx@C core-shell fibrous anodes for improved capacity in lithium-ion batteries. 2015 , 3, 19907-19912	31
873	Designing one-dimensional supercapacitors in a strip shape for high performance energy storage fabrics. 2015 , 3, 19304-19309	18
872	A flexible supercapacitor based on vertically oriented Graphene Forest Electrodes. 2015 , 3, 21875-21881	32
871	Flexible Si/PEDOT:PSS hybrid solar cells. 2015 , 8, 3141-3149	16
870	Performance of hybrid nanostructured conductive cotton materials as wearable devices: an overview of materials, fabrication, properties and applications. 2015 , 5, 107716-107770	60
869	High rate capability supercapacitors assembled from wet-spun graphene films with a CaCO ₃ template. 2015 , 3, 1890-1895	26
868	High-performance all-solid-state yarn supercapacitors based on porous graphene ribbons. 2015 , 12, 26-32	92
867	3D graphene nanomaterials for binder-free supercapacitors: scientific design for enhanced performance. 2015 , 7, 6957-90	148
866	High-performance fiber-shaped supercapacitors using carbon fiber thread (CFT)@polyaniline and functionalized CFT electrodes for wearable/stretchable electronics. 2015 , 11, 662-670	118
865	Self-stretchable, helical carbon nanotube yarn supercapacitors with stable performance under extreme deformation conditions. 2015 , 12, 401-409	84
864	Superelastic supercapacitors with high performances during stretching. 2015 , 27, 356-62	200
863	Emergence of fiber supercapacitors. 2015 , 44, 647-62	433
862	Solution processible hyperbranched inverse-vulcanized polymers as new cathode materials in LiB batteries. 2015 , 6, 973-982	45
861	High-performance two-ply yarn supercapacitors based on carbon nanotube yarns dotted with Co ₃ O ₄ and NiO nanoparticles. 2015 , 11, 854-61	194
860	Tailored graphene systems for unconventional applications in energy conversion and storage devices. 2015 , 8, 31-54	211
859	Progress in Piezo-Phototronic-Effect-Enhanced Light-Emitting Diodes and Pressure Imaging. 2016 , 28, 1535-52	93

858	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. 2016 , 2, 1600102	35
857	Carbon Nanotubes and Graphene for Flexible Electrochemical Energy Storage: from Materials to Devices. 2016 , 28, 4306-37	481
856	Electrochemical Capacitors with High Output Voltages that Mimic Electric Eels. 2016 , 28, 2070-6	98
855	High-Performance Fiber-Shaped All-Solid-State Asymmetric Supercapacitors Based on Ultrathin MnO ₂ Nanosheet/Carbon Fiber Cathodes for Wearable Electronics. 2016 , 6, 1501458	362
854	Highly Integrated Supercapacitor-Sensor Systems via Material and Geometry Design. 2016 , 12, 3393-9	71
853	Fabrication of Coaxial Wet-Spun Graphene-Chitosan Biofibers. 2016 , 18, 284-293	32
852	Flexible Integrated Electrical Cables Based on Biocomposites for Synchronous Energy Transmission and Storage. 2016 , 26, 3472-3479	63
851	Ultrastiff and Strong Graphene Fibers via Full-Scale Synergetic Defect Engineering. 2016 , 28, 6449-56	217
850	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
849	A Fiber Supercapacitor with High Energy Density Based on Hollow Graphene/Conducting Polymer Fiber Electrode. 2016 , 28, 3646-52	538
848	Integration: An Effective Strategy to Develop Multifunctional Energy Storage Devices. 2016 , 6, 1501867	115
847	Flexible Wire-Shaped Supercapacitors in Parallel Double Helix Configuration with Stable Electrochemical Properties under Static/Dynamic Bending. 2016 , 12, 1024-33	75
846	Conducting polymer hydrogel materials for high-performance flexible solid-state supercapacitors. 2016 , 59, 412-420	53
845	Smart Electronic Textiles. 2016 , 55, 6140-69	371
844	High-Performance Lithium-Air Battery with a Coaxial-Fiber Architecture. 2016 , 55, 4487-91	153
843	Monitoring of Vital Signs with Flexible and Wearable Medical Devices. 2016 , 28, 4373-95	735
842	Gallium Nitride Crystals: Novel Supercapacitor Electrode Materials. 2016 , 28, 3768-76	96
841	Multifunctional non-woven fabrics of interfused graphene fibres. <i>Nature Communications</i> , 2016 , 7, 136847.4	156

840	Fabrication of Reduced Graphene Oxide Based Ultra High Cycle Life Flexible Fiber Supercapacitor with Different Modes. 2016 , 1, 6476-6484	7
839	Improvement of system capacitance via weavable superelastic bistructured yarn supercapacitors. <i>Nature Communications</i> , 2016 , 7, 13811	17.4 111
838	In situ MoS ₂ Decoration of Laser-Induced Graphene as Flexible Supercapacitor Electrodes. 2016 , 8, 10459-65	171
837	Flexible-wire shaped all-solid-state supercapacitors based on facile electropolymerization of polythiophene with ultra-high energy density. 2016 , 4, 7406-7415	65
836	Fiber-based multifunctional nickel phosphide electrodes for flexible energy conversion and storage. 2016 , 4, 9691-9699	116
835	Efficiently dense hierarchical graphene based aerogel electrode for supercapacitors. 2016 , 324, 188-198	72
834	Nanomaterials for Stretchable Energy Storage and Conversion Devices. 2016 , 159-191	3
833	High performance of stretchable carbon nanotube/polypyrrole fiber supercapacitors under dynamic deformation and temperature variation. 2016 , 4, 9311-9318	76
832	A fiber-shaped aqueous lithium ion battery with high power density. 2016 , 4, 9002-9008	105
831	Hierarchically porous carbon black/graphene hybrid fibers for high performance flexible supercapacitors. 2016 , 6, 50112-50118	36
830	Direct spinning of fiber supercapacitor. 2016 , 8, 12113-7	48
829	Fabrication of thermally evaporated Al thin film on cylindrical PET monofilament for wearable computing devices. 2016 , 12, 186-196	9
828	Wearable Self-Charging Power Textile Based on Flexible Yarn Supercapacitors and Fabric Nanogenerators. 2016 , 28, 98-105	608
827	Integrating photovoltaic conversion and lithium ion storage into a flexible fiber. 2016 , 4, 7601-7605	35
826	Developments in conducting polymer fibres: from established spinning methods toward advanced applications. 2016 , 6, 44687-44716	51
825	Effect of post-spinning on the electrical and electrochemical properties of wet spun graphene fibre. 2016 , 6, 46427-46432	6
824	Self-assembly of graphene aerogel on copper wire for wearable fiber-shaped supercapacitors. 2016 , 105, 649-654	55
823	Enhanced electrochemical performances of graphene based solid-state flexible cable type supercapacitor using redox mediated polymer gel electrolyte. 2016 , 105, 638-648	83

822	A Knittable Fibriform Supercapacitor Based on Natural Cotton Thread Coated with Graphene and Carbon Nanoparticles. 2016 , 206, 155-164	42
821	Conductive, tough, hydrophilic poly(vinyl alcohol)/graphene hybrid fibers for wearable supercapacitors. 2016 , 319, 271-280	94
820	Actuating Fibers: Design and Applications. 2016 , 8, 24281-94	64
819	Meters-Long Flexible CoNiO ₂ -Nanowires@Carbon-Fibers Based Wire-Supercapacitors for Wearable Electronics. 2016 , 1, 1600142	53
818	Flexible two-ply yarn supercapacitors based on carbon nanotube/stainless steel core spun yarns decorated with Co ₃ O ₄ nanoparticles and MnO _x composites. 2016 , 215, 535-542	17
817	A three-dimensionally stretchable high performance supercapacitor. 2016 , 4, 14968-14973	38
816	Progress in piezo-phototronic effect modulated photovoltaics. 2016 , 28, 433001	8
815	3D ZnCo ₂ O ₄ nanowires@MnO ₂ nanosheets core-shell structures grown on carbon cloth for excellent supercapacitor electrodes. 2016 , 42, 19343-19348	19
814	Rapid Fabrication of Composite Hydrogel Microfibers for Weavable and Sustainable Antibacterial Applications. 2016 , 4, 6534-6542	40
813	Flexible Microsupercapacitors Using Silk and Cotton Substrates. 2016 , 8, 29504-29510	29
812	Fiber-shaped asymmetric supercapacitors with ultrahigh energy density for flexible/wearable energy storage. 2016 , 4, 17704-17710	60
811	ZIF-derived nitrogen-doped carbon/3D graphene frameworks for all-solid-state supercapacitors. 2016 , 6, 76575-76581	14
810	High Energy Density All Solid State Asymmetric Pseudocapacitors Based on Free Standing Reduced Graphene Oxide-Co ₃ O ₄ Composite Aerogel Electrodes. 2016 , 8, 22253-60	44
809	Kevlar-Based Supercapacitor Fibers with Conformal Pseudocapacitive Metal Oxide and Metal Formed by ALD. 2016 , 3, 1600355	17
808	Electrolytes for Electrochemical Supercapacitors. 2016 , 31-254	4
807	Large-Area Supercapacitor Textiles with Novel Hierarchical Conducting Structures. 2016 , 28, 8431-8438	137
806	Growth of carbon nanotubes from waste blast furnace gases at atmospheric pressure. 2016 , 51, 466-474	1
805	Solidification of 3D Printed Nanofibril Hydrogels into Functional 3D Cellulose Structures. 2016 , 1, 1600096	90

804	Breathable and Wearable Energy Storage Based on Highly Flexible Paper Electrodes. 2016 , 28, 9313-9319	178
803	A high performance fiber-shaped PEDOT@MnO ₂ //C@Fe ₃ O ₄ asymmetric supercapacitor for wearable electronics. 2016 , 4, 14877-14883	96
802	Systematic characterization of transport and thermoelectric properties of a macroscopic graphene fiber. 2016 , 9, 3536-3546	40
801	Challenges in Liquid-Phase Exfoliation, Processing, and Assembly of Pristine Graphene. 2016 , 28, 8796-8818	97
800	Wearable Textile-Based In-Plane Microsupercapacitors. 2016 , 6, 1601254	162
799	Interface miscibility induced double-capillary carbon nanofibers for flexible electric double layer capacitors. 2016 , 28, 232-240	54
798	Next-generation textiles: from embedded supercapacitors to lithium ion batteries. 2016 , 4, 16771-16800	88
797	Textile-Based Electrochemical Energy Storage Devices. 2016 , 6, 1600783	216
796	A knittable fiber-shaped supercapacitor based on natural cotton thread for wearable electronics. 2016 , 327, 365-373	56
795	Three-dimensional macro-structures of two-dimensional nanomaterials. 2016 , 45, 5541-5588	231
794	Nitrogen-doped reduced graphene oxide and aniline based redox additive electrolyte for a flexible supercapacitor. 2016 , 6, 67898-67909	25
793	Direct Observation, Molecular Structure, and Location of Oxidation Debris on Graphene Oxide Nanosheets. 2016 , 50, 8568-77	44
792	High-performance stretchable yarn supercapacitor based on PPy@CNTs@urethane elastic fiber core spun yarn. 2016 , 27, 230-237	245
791	Bioinspired Graphene-Based Nanocomposites and Their Application in Flexible Energy Devices. 2016 , 28, 7862-7898	159
790	Superb Electrically Conductive Graphene Fibers via Doping Strategy. 2016 , 28, 7941-7947	116
789	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
788	Graphene for batteries, supercapacitors and beyond. 2016 , 1,	681
787	A high-performance flexible and weavable asymmetric fiber-shaped solid-state supercapacitor enhanced by surface modifications of carbon fibers with carbon nanotubes. 2016 , 4, 18164-18173	42

786	All-solid-state yarn supercapacitors based on hierarchically structured bacterial cellulose nanofiber-coated cotton yarns. 2016 , 23, 3987-3997	32
785	Progress in piezo-phototronic effect enhanced photodetectors. 2016 , 4, 11341-11354	35
784	Carbon Polymer Nanocomposites. 2016 , 265-297	3
783	Processing, structure, and properties of carbon fibers. 2016 , 91, 262-282	255
782	Nitrogen-doped Carbon Microfiber with Wrinkled Surface for High Performance Supercapacitors. 2016 , 6, 21750	22
781	Hierarchical core-shell NiCo ₂ O ₄ @NiMoO ₄ nanowires grown on carbon cloth as integrated electrode for high-performance supercapacitors. 2016 , 6, 31465	65
780	Transition metal sulfides grown on graphene fibers for wearable asymmetric supercapacitors with high volumetric capacitance and high energy density. 2016 , 6, 26890	73
779	Dual Planar-Helix Type Energy Storage Wires to Circumvent Universal Energy Lag Effect. 2016 , 6, 1501812	3
778	High-Performance Lithium Air Battery with a Coaxial-Fiber Architecture. 2016 , 128, 4563-4567	22
777	Flexible capacitive behavior of hybrid carbon materials prepared from graphene sheets. 2016 , 3, 065006	
776	Encapsulated, High-Performance, Stretchable Array of Stacked Planar Micro-Supercapacitors as Waterproof Wearable Energy Storage Devices. 2016 , 8, 16016-25	87
775	Flexible fiber hybrid supercapacitor with NiCo ₂ O ₄ nanograss@carbon fiber and bio-waste derived high surface area porous carbon. 2016 , 211, 411-419	91
774	Bottom-Up Fabrication of Activated Carbon Fiber for All-Solid-State Supercapacitor with Excellent Electrochemical Performance. 2016 , 8, 14622-7	107
773	Graphene based architectures for electrochemical capacitors. 2016 , 5, 8-32	59
772	One step preparation and excellent performance of CNT yarn based flexible micro lithium ion batteries. 2016 , 5, 1-7	29
771	Unconventional supercapacitors from nanocarbon-based electrode materials to device configurations. 2016 , 45, 4340-63	396
770	Wearable Electricity Generators Fabricated Utilizing Transparent Electronic Textiles Based on Polyester/Ag Nanowires/Graphene Core-Shell Nanocomposites. 2016 , 10, 6449-57	159
769	Recent advances and challenges of stretchable supercapacitors based on carbon materials. 2016 , 59, 475-494	64

768	High-performance all-solid-state flexible supercapacitors based on manganese dioxide/carbon fibers. 2016 , 107, 844-851	56
767	Recent progress in flexible energy storage materials for lithium-ion batteries and electrochemical capacitors: A review. 2016 , 31, 1648-1664	26
766	Twisted yarns for fiber-shaped supercapacitors based on wet-spun PEDOT:PSS fibers from aqueous coagulation. 2016 , 4, 11616-11624	79
765	Recent Advances in Pen-Based Writing Electronics and their Emerging Applications. 2016 , 26, 165-180	72
764	Simultaneous Production of High-Performance Flexible Textile Electrodes and Fiber Electrodes for Wearable Energy Storage. 2016 , 28, 1675-81	169
763	Smarte elektronische Textilien. 2016 , 128, 6248-6277	10
762	Elastic and wearable ring-type supercapacitors. 2016 , 4, 3217-3222	30
761	Two-ply yarn supercapacitor based on carbon nanotube/stainless steel core-sheath yarn electrodes and ionic liquid electrolyte. 2016 , 307, 489-495	53
760	Quantum dot decorated aligned carbon nanotube bundles for a performance enhanced photoswitch. 2016 , 8, 8547-52	9
759	A shape memory supercapacitor and its application in smart energy storage textiles. 2016 , 4, 1290-1297	111
758	Carbon materials for high volumetric performance supercapacitors: design, progress, challenges and opportunities. 2016 , 9, 729-762	876
757	Space-confined assembly of all-carbon hybrid fibers for capacitive energy storage: realizing a built-to-order concept for micro-supercapacitors. 2016 , 9, 611-622	88
756	Facile template-free synthesis of vertically aligned polypyrrole nanosheets on nickel foams for flexible all-solid-state asymmetric supercapacitors. 2016 , 8, 8650-7	55
755	Graphene-based materials for supercapacitor electrodes [A review]. 2016 , 2, 37-54	451
754	Coaxial silver nanowire network core molybdenum oxide shell supercapacitor electrodes. 2016 , 193, 39-44	51
753	Flexible electrodes and supercapacitors for wearable energy storage: a review by category. 2016 , 4, 4659-4685	412
752	Graphene-based materials with tailored nanostructures for energy conversion and storage. 2016 , 102, 1-72	189
751	Construction of Hierarchical NiCo ₂ S ₄ @Ni(OH) ₂ Core-Shell Hybrid Nanosheet Arrays on Ni Foam for High-Performance Aqueous Hybrid Supercapacitors. 2016 , 193, 116-127	131

750	High performance two-ply carbon nanocomposite yarn supercapacitors enhanced with a platinum filament and in situ polymerized polyaniline nanowires. 2016 , 4, 3828-3834	36
749	A modularization approach for linear-shaped functional supercapacitors. 2016 , 4, 4580-4586	42
748	Textile energy storage: Structural design concepts, material selection and future perspectives. 2016 , 3, 123-139	109
747	Highly stretchable hybrid nanomembrane supercapacitors. 2016 , 6, 24756-24759	20
746	NiO nanowall-assisted growth of thick carbon nanofiber layers on metal wires for fiber supercapacitors. 2016 , 52, 2721-4	35
745	A flexible all-solid-state micro-supercapacitor based on hierarchical CuO@layered double hydroxide core-shell nanoarrays. 2016 , 20, 294-304	245
744	Formation process of holey graphene and its assembled binder-free film electrode with high volumetric capacitance. 2016 , 187, 543-551	73
743	Hierarchical MnO ₂ nanowire/graphene hybrid fibers with excellent electrochemical performance for flexible solid-state supercapacitors. 2016 , 306, 481-488	210
742	Wearable Atmospheric Pressure Plasma Fabrics Produced by Knitting Flexible Wire Electrodes for the Decontamination of Chemical Warfare Agents. 2017 , 7, 40746	8
741	A phytic acid etched Ni/Fe nanostructure based flexible network as a high-performance wearable hybrid energy storage device. 2017 , 5, 3274-3283	33
740	Highly Sensitive Wearable Textile-Based Humidity Sensor Made of High-Strength, Single-Walled Carbon Nanotube/Poly(vinyl alcohol) Filaments. 2017 , 9, 4788-4797	141
739	Metal-Phenolic Carbon Nanocomposites for Robust and Flexible Energy-Storage Devices. 2017 , 10, 1675-1682	26
738	Three-Dimensional MoS ₂ @CNT/RGO Network Composites for High-Performance Flexible Supercapacitors. 2017 , 23, 3438-3446	119
737	Stretchable Fiber Supercapacitors with High Volumetric Performance Based on Buckled MnO ₂ /Oxidized Carbon Nanotube Fiber Electrodes. 2017 , 13, 1602994	80
736	Design and Fabrication of Petal-Like NiCo ₂ O ₄ @NiMoO ₄ Core/Shell Nanosheet Arrays Electrode for Asymmetric Supercapacitors. 2017 , 164, A482-A489	13
735	3D Porous Nanoarchitectures Derived from SnS/S-Doped Graphene Hybrid Nanosheets for Flexible All-Solid-State Supercapacitors. 2017 , 13, 1603494	47
734	Hydrothermal assembly of micro-nano-integrated core-sheath carbon fibers for high-performance all-carbon micro-supercapacitors. 2017 , 9, 221-228	26
733	The coaxial nanostructure of ruthenium oxide thin films coated onto the vertically grown graphitic nanofibers for electrochemical supercapacitor. 2017 , 320, 263-269	15

732	Ultrathin and large-sized vanadium oxide nanosheets mildly prepared at room temperature for high performance fiber-based supercapacitors. 2017 , 5, 2483-2487	51
731	Graphene and Other 2D Colloids: Liquid Crystals and Macroscopic Fibers. 2017 , 29, 1606794	101
730	Titanium carbide sheet based high performance wire type solid state supercapacitors. 2017 , 5, 5726-5736	104
729	Waterproof, Ultrahigh Areal-Capacitance, Wearable Supercapacitor Fabrics. 2017 , 29, 1606679	249
728	Liquid Crystals of Graphene Oxide: A Route Towards Solution-Based Processing and Applications. 2017 , 34, 1600396	14
727	High performance asymmetric supercapacitor twisted from carbon fiber/MnO ₂ and carbon fiber/MoO ₃ . 2017 , 116, 470-478	181
726	Hair-based flexible knittable supercapacitor with wide operating voltage and ultra-high rate capability. 2017 , 34, 491-499	49
725	Textile Resistance Switching Memory for Fabric Electronics. 2017 , 27, 1605593	34
724	Mechanical enhancement of bi-phasic electrospun nanofibrous films by optimizing composition and configuration. 2017 , 193, 220-226	2
723	Arbitrary-Shaped Graphene-Based Planar Sandwich Supercapacitors on One Substrate with Enhanced Flexibility and Integration. 2017 , 11, 2171-2179	103
722	Continuous Draw Spinning of Extra-Long Silver Submicron Fibers with Micrometer Patterning Capability. 2017 , 17, 1883-1891	34
721	A General Electrode Design Strategy for Flexible Fiber Micro-Pseudocapacitors Combining Ultrahigh Energy and Power Delivery. 2017 , 4, 1700003	38
720	Flexible wire-based electrodes exploiting carbon/ZnO nanocomposite for wearable supercapacitors. 2017 , 23, 1839-1847	4
719	Direct exfoliation of the anode graphite of used Li-ion batteries into few-layer graphene sheets: a green and high yield route to high-quality graphene preparation. 2017 , 5, 5880-5885	41
718	Carbon Nanotube Wires and Cables: Near-Term Applications and Future Perspectives. 2017 , 485-506	3
717	Nanostructured Germanium Anode Materials for Advanced Rechargeable Batteries. 2017 , 4, 1600798	90
716	Continuous fabrication of the graphene-confined polypyrrole film for cycling stable supercapacitors. 2017 , 5, 8255-8260	21
715	Vertically Oriented Graphene Nanoribbon Fibers for High-Volumetric Energy Density All-Solid-State Asymmetric Supercapacitors. 2017 , 13, 1700371	56

714	CNT-threaded N-doped porous carbon film as binder-free electrode for high-capacity supercapacitor and LiB battery. 2017 , 5, 9775-9784	99
713	Synthesis and loading-dependent characteristics of nitrogen-doped graphene foam/carbon nanotube/manganese oxide ternary composite electrodes for high performance supercapacitors. 2017 , 501, 1-10	26
712	A smart mobile pouch as a biomechanical energy harvester towards self-powered smart wireless power transfer applications. 2017 , 9, 9818-9824	37
711	Integrated Sustainable Wind Power Harvesting and Ultrahigh Energy Density Wire-Shaped Supercapacitors Based on Vertically Oriented Nanosheet-Array-Coated Carbon Fibers. 2017 , 1, 1700044	11
710	Recoverable Wire-Shaped Supercapacitors with Ultrahigh Volumetric Energy Density for Multifunctional Portable and Wearable Electronics. 2017 , 9, 17051-17059	21
709	Multiphase nanostructured PANI anchored @ CVD grown MWCNT on rGO coated nickel foam for binder free supercapacitor electrode. 2017 , 242, 47-55	14
708	Reduced graphene oxide/Mn ₃ O ₄ nanocrystals hybrid fiber for flexible all-solid-state supercapacitor with excellent volumetric energy density. 2017 , 242, 10-18	61
707	Recent progress of fiber-shaped asymmetric supercapacitors. 2017 , 5, 1-14	51
706	Flexible fiber-shaped supercapacitors: Design, fabrication, and multi-functionalities. 2017 , 8, 85-109	78
705	Energy harvesting and storage in 1D devices. 2017 , 2,	315
704	Ultrahigh-rate wire-shaped supercapacitor based on graphene fiber. 2017 , 119, 332-338	68
703	An all-solid-state asymmetric device based on a polyaniline hydrogel for a high energy flexible supercapacitor. 2017 , 41, 237-244	38
702	An intercalated graphene/(molybdenum disulfide) hybrid fiber for capacitive energy storage. 2017 , 5, 925-930	70
701	An Intrinsically Stretchable and Compressible Supercapacitor Containing a Polyacrylamide Hydrogel Electrolyte. 2017 , 56, 9141-9145	329
700	Ultrahigh-Conductivity Polymer Hydrogels with Arbitrary Structures. 2017 , 29, 1700974	199
699	Contribution of Cations and Anions of Aqueous Electrolytes to the Charge Stored at the Electric Electrolyte/Electrode Interface of Carbon-Based Supercapacitors. 2017 , 121, 12053-12062	26
698	Hybrid Reduced Graphene Oxide Nanosheet Supported Mn-Ni-Co Ternary Oxides for Aqueous Asymmetric Supercapacitors. 2017 , 9, 19114-19123	81
697	An Intrinsically Stretchable and Compressible Supercapacitor Containing a Polyacrylamide Hydrogel Electrolyte. 2017 , 129, 9269-9273	48

696	Fatigue Resistant Bioinspired Composite from Synergistic Two-Dimensional Nanocomponents. 2017 , 11, 7074-7083	38
695	Functional flexible and wearable supercapacitors. 2017 , 50, 273001	23
694	Growth of highly mesoporous CuCo ₂ O ₄ nanoflakes@Ni(OH) ₂ nanosheets as advanced electrodes for high-performance hybrid supercapacitors. 2017 , 722, 928-937	25
693	Highly Doped Carbon Nanobelts with Ultrahigh Nitrogen Content as High-Performance Supercapacitor Materials. 2017 , 13, 1700834	34
692	Facile synthesis of three-dimensional (3D) interconnecting polypyrrole (PPy) nanowires/nanofibrous textile composite electrode for high performance supercapacitors. 2017 , 101, 30-40	30
691	Flexible and Wearable Fiber Microsupercapacitors Based on Carbon Nanotube-Agarose Gel Composite Electrodes. 2017 , 9, 19925-19933	25
690	Graphene nanopetal wire supercapacitors with high energy density and thermal durability. 2017 , 38, 127-136	52
689	Flexible and free-standing 2D titanium carbide film decorated with manganese oxide nanoparticles as a high volumetric capacity electrode for supercapacitor. 2017 , 359, 332-339	110
688	Synergistic effect in the heterostructure of ZnCoO and hydrogenated zinc oxide nanorods for high capacitive response. 2017 , 9, 9411-9420	44
687	Flexible and conductive nanofiber-structured single yarn sensor for smart wearable devices. 2017 , 252, 697-705	70
686	Fabrication of Supercapacitors from NiCo ₂ O ₄ Nanowire/Carbon-Nanotube Yarn for Ultraviolet Photodetectors and Portable Electronics. 2017 , 5, 1449-1456	22
685	Ultrahigh capacity and superior stability of three-dimensional porous graphene networks containing in situ grown carbon nanotube clusters as an anode material for lithium-ion batteries. 2017 , 5, 7595-7602	33
684	Ultrathin ZnS nanosheet/carbon nanotube hybrid electrode for high-performance flexible all-solid-state supercapacitor. 2017 , 10, 2570-2583	69
683	An all-solid-state yarn supercapacitor using cotton yarn electrodes coated with polypyrrole nanotubes. 2017 , 169, 50-57	80
682	Wrapping Aligned Carbon Nanotube Composite Sheets around Vanadium Nitride Nanowire Arrays for Asymmetric Coaxial Fiber-Shaped Supercapacitors with Ultrahigh Energy Density. 2017 , 17, 2719-2726	233
681	Influence of ethylene glycol vapor annealing on structure and property of wet-spun PVA/PEDOT:PSS blend fiber. 2017 , 52, 6917-6927	5
680	Flexible, water-proof, wire-type supercapacitors integrated with wire-type UV/NO ₂ sensors on textiles. 2017 , 35, 199-206	41
679	Textile metamaterial absorber using screen printed chanel logo. 2017 , 59, 1424-1427	11

678	Titanium Implants Based on Additive Manufacture. 2017 , 255-291	2
677	Electrochemical Capacitance of Spherical Nanoparticles Formed by Electrodeposition of Intrinsic Polypyrrole onto Au Electrode. 2017 , 232, 72-79	19
676	Renewable-emodin-based wearable supercapacitors. 2017 , 9, 1423-1427	14
675	Ultraflexible and tailorable all-solid-state supercapacitors using polyacrylamide-based hydrogel electrolyte with high ionic conductivity. 2017 , 9, 18474-18481	54
674	General Metal-Ion Mediated Method for Functionalization of Graphene Fiber. 2017 , 9, 37022-37030	19
673	A facile method for the preparation of three-dimensional CNT sponge and a nanoscale engineering design for high performance fiber-shaped asymmetric supercapacitors. 2017 , 5, 22559-22567	27
672	MXene/graphene hybrid fibers for high performance flexible supercapacitors. 2017 , 5, 22113-22119	212
671	Wearable woven supercapacitor fabrics with high energy density and load-bearing capability. 2017 , 7, 14324	36
670	An Ultrastable and High-Performance Flexible Fiber-Shaped Ni-Zn Battery based on a Ni-NiO Heterostructured Nanosheet Cathode. 2017 , 29, 1702698	231
669	Wet-spinning of ternary synergistic coaxial fibers for high performance yarn supercapacitors. 2017 , 5, 22489-22494	42
668	High-performance MnO-deposited graphene/activated carbon film electrodes for flexible solid-state supercapacitor. 2017 , 7, 12857	52
667	Integration of Energy Harvesting and Electrochemical Storage Devices. 2017 , 2, 1700182	63
666	Smart wearable heaters with high durability, flexibility, water-repellent and shape memory characteristics. 2017 , 152, 173-180	23
665	Ultrathin Coaxial Fiber Supercapacitors Achieving High Energy and Power Densities. 2017 , 9, 39391-39398	31
664	Hydrothermally Activated Graphene Fiber Fabrics for Textile Electrodes of Supercapacitors. 2017 , 11, 11056-11065	87
663	Recent Advances in Sensing Applications of Graphene Assemblies and Their Composites. 2017 , 27, 1702891	161
662	Stacking up layers of polyaniline/carbon nanotube networks inside papers as highly flexible electrodes with large areal capacitance and superior rate capability. 2017 , 5, 19934-19942	70
661	A Mini Review on Nanocarbon-Based 1D Macroscopic Fibers: Assembly Strategies and Mechanical Properties. 2017 , 9, 51	29

660	All-Solid-State Flexible Fiber-Based MXene Supercapacitors. 2017 , 2, 1700143	103
659	Ion Diffusion-Directed Assembly Approach to Ultrafast Coating of Graphene Oxide Thick Multilayers. 2017 , 11, 9663-9670	23
658	Highly Concentrated, Ultrathin Nickel Hydroxide Nanosheet Ink for Wearable Energy Storage Devices. 2017 , 29, 1703455	46
657	Self-Healing Materials for Next-Generation Energy Harvesting and Storage Devices. 2017 , 7, 1700890	147
656	Synthesis and characterization of free-standing activated carbon/reduced graphene oxide film electrodes for flexible supercapacitors. 2017 , 7, 45066-45074	21
655	Improved flexible Li-ion hybrid capacitors: Techniques for superior stability. 2017 , 10, 4448-4456	20
654	Ultraflexible and robust graphene supercapacitors printed on textiles for wearable electronics applications. 2017 , 4, 035016	115
653	In situ twisting for stabilizing and toughening conductive graphene yarns. 2017 , 9, 11523-11529	17
652	Omnidirectional porous fiber scrolls of polyaniline nanopillars array-N-doped carbon nanofibers for fiber-shaped supercapacitors. 2017 , 5, 196-204	20
651	Carbon nanomaterials for flexible lithium ion batteries. 2017 , 124, 79-88	45
650	Flexible Ti-Doped FeOOH Quantum Dots/Graphene/Bacterial Cellulose Anode for High-Energy Asymmetric Supercapacitors. 2017 , 34, 1700213	14
649	High performance asymmetric VO-SnO nanopore battery by atomic layer deposition. 2017 , 9, 11566-11573	18
648	Carbon Nanotube Wires Sheathed by Aramid Nanofibers. 2017 , 27, 1701061	29
647	Toward Flexible Wireless Pressure-Sensing Device via Ionic Hydrogel Microsphere for Continuously Mapping Human-Skin Signals. 2017 , 4, 1700496	27
646	One Dimensional Silver-based Nanomaterials: Preparations and Electrochemical Applications. 2017 , 13, 1701091	42
645	High-Performance Wearable Micro-Supercapacitors Based on Microfluidic-Directed Nitrogen-Doped Graphene Fiber Electrodes. 2017 , 27, 1702493	114
644	Weavable, Conductive Yarn-Based NiCo//Zn Textile Battery with High Energy Density and Rate Capability. 2017 , 11, 8953-8961	237
643	High-Performance Porous Molybdenum Oxynitride Based Fiber Supercapacitors. 2017 , 9, 29699-29706	35

642	EMnO ₂ nanofiber/single-walled carbon nanotube hybrid film for all-solid-state flexible supercapacitors with high performance. 2017 , 5, 19107-19115	38
641	An overview of electrospun nanofibers and their application in energy storage, sensors and wearable/flexible electronics. 2017 , 5, 12657-12673	103
640	Spontaneously grown Ni(OH) ₂ on iron oxide nanoparticles with enhanced energy storage performance for electrodes of asymmetric supercapacitors. 2017 , 7, 50358-50366	8
639	Bio-inspired high-performance solid-state supercapacitors with the electrolyte, separator, binder and electrodes entirely from kelp. 2017 , 5, 25282-25292	49
638	Constructing Ultrahigh-Capacity Zinc-Nickel-Cobalt Oxide@Ni(OH) Core-Shell Nanowire Arrays for High-Performance Coaxial Fiber-Shaped Asymmetric Supercapacitors. 2017 , 17, 7552-7560	196
637	Knittable energy storing fiber with high volumetric performance made from predominantly MXene nanosheets. 2017 , 5, 24076-24082	126
636	Omnidirectional Deformable Energy Textile for Human Joint Movement Compatible Energy Storage. 2017 , 9, 41363-41370	11
635	A flexible asymmetric fibered-supercapacitor based on unique Co ₃ O ₄ @PPy core-shell nanorod arrays electrode. 2017 , 327, 193-201	57
634	Flexible Supercapacitors Based on Solid Ion Conducting Polymer with High Mechanical Strength. 2017 , 164, A1952-A1957	31
633	Stretchable fiber-shaped asymmetric supercapacitors with ultrahigh energy density. 2017 , 39, 219-228	158
632	Tuning the morphology and structure of nanocarbons with activating agents for ultrafast ionic liquid-based supercapacitors. 2017 , 361, 182-194	37
631	All-SPEEK flexible supercapacitor exploiting laser-induced graphenization. 2017 , 4, 035012	64
630	Graphene-Fiber-Based Supercapacitors Favor N-Methyl-2-pyrrolidone/Ethyl Acetate as the Spinning Solvent/Coagulant Combination. 2017 , 9, 24568-24576	29
629	Multilayer core-shell structured composite paper electrode consisting of copper, cuprous oxide and graphite assembled on cellulose fibers for asymmetric supercapacitors. 2017 , 361, 122-132	30
628	Flexible All-Solid-State Supercapacitors with High Volumetric Capacitances Boosted by Solution Processable MXene and Electrochemically Exfoliated Graphene. 2017 , 7, 1601847	298
627	MoS ₂ -Based All-Purpose Fibrous Electrode and Self-Powering Energy Fiber for Efficient Energy Harvesting and Storage. 2017 , 7, 1601208	110
626	Carbon Nanotube Fibers for Wearable Devices. 2017 , 347-379	0
625	Experimental Guidance to Graphene Macroscopic Wet-Spun Fibers, Continuous Papers, and Ultralightweight Aerogels. 2017 , 29, 319-330	36

624	Decal Electronics: Printable Packaged with 3D Printing High-Performance Flexible CMOS Electronic Systems. 2017 , 2, 1600175	7
623	Flexible Electronic Devices Based on Polymers. 2017 , 325-354	6
622	Flexible all-solid-state asymmetric supercapacitor based on transition metal oxide nanorods/reduced graphene oxide hybrid fibers with high energy density. 2017 , 113, 151-158	192
621	Rational design of carbon shell endows TiN@C nanotube based fiber supercapacitors with significantly enhanced mechanical stability and electrochemical performance. 2017 , 31, 432-440	95
620	High-performance flexible wire-shaped electrochemical capacitors based on gold wire@reduced graphene oxide. 2017 , 32, 581-591	12
619	Carbon Fibers. 2017 , 1-21	
618	Melt- and Wet-Spinning of Graphene-Polymer Nano-Composite Fibres for Multifunctional Textile Applications. 2017 , 4, S135-S145	6
617	Holey nickel hydroxide nanosheets for wearable solid-state fiber-supercapacitors. 2018 , 10, 5442-5448	39
616	Conceptually Novel Black Phosphorus/Cellulose Hydrogels as Promising Photothermal Agents for Effective Cancer Therapy. 2018 , 7, e1701510	139
615	Wet-spinning assembly of cellulose nanofibers reinforced graphene/polypyrrole microfibers for high performance fiber-shaped supercapacitors. 2018 , 269, 11-20	46
614	Bioinspired leaves-on-branchlet hybrid carbon nanostructure for supercapacitors. <i>Nature Communications</i> , 2018 , 9, 790	17.4 118
613	Nanocarbon-Based Materials for Flexible All-Solid-State Supercapacitors. 2018 , 30, e1705489	248
612	Synthesis and electrochemical properties of Mg-doped chromium-based metal organic framework/reduced graphene oxide composite for supercapacitor application. 2018 , 29, 8421-8430	10
611	Ultrafast hydrothermal assembly of nanocarbon microfibers in near-critical water for 3D microsupercapacitors. 2018 , 132, 698-708	20
610	Superficial-defect engineered nickel/iron oxide nanocrystals enable high-efficient flexible fiber battery. 2018 , 13, 160-167	37
609	Design of Novel Wearable, Stretchable, and Waterproof Cable-Type Supercapacitors Based on High-Performance Nickel Cobalt Sulfide-Coated Etching-Annealed Yarn Electrodes. 2018 , 14, e1704373	47
608	Weavable asymmetric carbon nanotube yarn supercapacitor for electronic textiles.. 2018 , 8, 13112-13120	32
607	Mechanical property enhancement of high conductive reduced graphene oxide fiber by a small loading of polydopamine. 2018 , 5, 045602	7

606	Microfluidic-Spinning-Directed Conductive Fibers toward Flexible Micro-Supercapacitors. 2018 , 303, 1700664	20
605	A three-dimensional reticulate CNT-aerogel for a high mechanical flexibility fiber supercapacitor. 2018 , 10, 9360-9368	51
604	Enriched carbon dots/graphene microfibers towards high-performance micro-supercapacitors. 2018 , 6, 14112-14119	59
603	Carbon nanotubes and manganese oxide hybrid nanostructures as high performance fiber supercapacitors. 2018 , 1,	22
602	Anisotropic Self-Oscillating Reaction in Liquid Crystalline Nanosheet Hydrogels. 2018 , 122, 2957-2961	5
601	Towards flexible solid-state supercapacitors for smart and wearable electronics. 2018 , 47, 2065-2129	936
600	Direct spinning of high-performance graphene fiber supercapacitor with a three-ply core-sheath structure. 2018 , 132, 241-248	54
599	Flexible fiber-shaped energy storage devices: principles, progress, applications and challenges. 2018 , 3, 013001	24
598	Ultrafast All-Solid-State Coaxial Asymmetric Fiber Supercapacitors with a High Volumetric Energy Density. 2018 , 8, 1702946	73
597	Highly Stretchable Core-Sheath Fibers via Wet-Spinning for Wearable Strain Sensors. 2018 , 10, 6624-6635	153
596	Self-healable wire-shaped supercapacitors with two twisted NiCo ₂ O ₄ coated polyvinyl alcohol hydrogel fibers. 2018 , 61, 254-262	27
595	High rate integrated quasi-solid state supercapacitors based on nitrogen-enriched active carbon fiber/reduced graphene oxide nanocomposite. 2018 , 130, 196-205	29
594	An extremely safe and wearable solid-state zinc ion battery based on a hierarchical structured polymer electrolyte. 2018 , 11, 941-951	520
593	The applications of carbon nanomaterials in fiber-shaped energy storage devices. 2018 , 39, 011004	12
592	Hybrid functional microfibers for textile electronics and biosensors. 2018 , 39, 011009	2
591	Sticky-note supercapacitors. 2018 , 6, 3355-3360	22
590	Coaxial Thermoplastic Elastomer-Wrapped Carbon Nanotube Fibers for Deformable and Wearable Strain Sensors. 2018 , 28, 1705591	163
589	High-performance flexible supercapacitors based on electrochemically tailored three-dimensional reduced graphene oxide networks. 2018 , 8, 640	204

588	Wearable Supercapacitors Printed on Garments. 2018 , 28, 1705571	47
587	Flexible supercapacitors based on carbon nanotubes. 2018 , 29, 571-581	55
586	All-in-one fiber for stretchable fiber-shaped tandem supercapacitors. 2018 , 45, 210-219	126
585	3D nanoporous graphene films converted from liquid-crystalline holey graphene oxide for thin and high-performance supercapacitors. 2018 , 5, 015503	2
584	Interfacial Engineered Polyaniline/Sulfur-Doped TiO Nanotube Arrays for Ultralong Cycle Lifetime Fiber-Shaped, Solid-State Supercapacitors. 2018 , 10, 18390-18399	38
583	A Compound Yarn Based Wearable Triboelectric Nanogenerator for Self-Powered Wearable Electronics. 2018 , 3, 1800065	24
582	Structural properties of graphene oxide fibers: from graphene oxide dispersion until continuous graphene oxide fiber. 2018 , 109, 1642-1652	1
581	Construction of NiCo ₂ O ₄ @MnO ₂ nanosheet arrays for high-performance supercapacitor: Highly cross-linked porous heterostructure and worthy electrochemical double-layer capacitance contribution. 2018 , 749, 900-908	40
580	Enhancing Electrochemical Performance of Graphene Fiber-Based Supercapacitors by Plasma Treatment. 2018 , 10, 13652-13659	56
579	Ultrahigh-Strength Ultrahigh Molecular Weight Polyethylene (UHMWPE)-Based Fiber Electrode for High Performance Flexible Supercapacitors. 2018 , 28, 1707351	29
578	Construction of microfluidic-oriented polyaniline nanorod arrays/graphene composite fibers for application in wearable micro-supercapacitors. 2018 , 6, 8940-8946	64
577	A nanopore-embedded graphitic carbon shell on silicon anode for high performance lithium ion batteries. 2018 , 6, 8013-8020	64
576	Electrochemical performance of a coaxial fiber-shaped asymmetric supercapacitor based on nanostructured MnO ₂ /CNT-web paper and Fe ₂ O ₃ /carbon fiber electrodes. 2018 , 134, 366-375	90
575	Full synergistic effect of hydrothermal NiCo ₂ O ₄ nanosheets/CuCo ₂ O ₄ nanocones supported on Ni foam for high-performance asymmetric supercapacitors. 2018 , 262, 327-334	41
574	Electromagnetic shielding effectiveness of carbon fabric/epoxy composite with continuous graphene oxide fiber and multiwalled carbon nanotube. 2018 , 52, 3341-3350	10
573	Waterproof and Tailorable Elastic Rechargeable Yarn Zinc Ion Batteries by a Cross-Linked Polyacrylamide Electrolyte. 2018 , 12, 3140-3148	305
572	Facile synthesis of hierarchical porous manganese nickel cobalt sulfide nanotube arrays with enhanced electrochemical performance for ultrahigh energy density fiber-shaped asymmetric supercapacitors. 2018 , 6, 8030-8038	54
571	High-performance yarn electrode materials enhanced by surface modifications of cotton fibers with graphene sheets and polyaniline nanowire arrays for all-solid-state supercapacitors. 2018 , 270, 205-214	64

570	Graphene fiber based supercapacitors: Strategies and perspective toward high performances. 2018 , 27, 6-11	28
569	Graphene-based materials for flexible energy storage devices. 2018 , 27, 12-24	86
568	Multicolor, Fluorescent Supercapacitor Fiber. 2018 , 14, e1702052	19
567	Recent advances of graphene-based materials for high-performance and new-concept supercapacitors. 2018 , 27, 25-42	95
566	Popcorn Inspired Porous Macrocellular Carbon: Rapid Puffing Fabrication from Rice and Its Applications in Lithium Sulfur Batteries. 2018 , 8, 1701110	317
565	Chemically doped macroscopic graphene fibers with significantly enhanced thermoelectric properties. 2018 , 11, 741-750	59
564	Hierarchical ferric-cobalt-nickel ternary oxide nanowire arrays supported on graphene fibers as high-performance electrodes for flexible asymmetric supercapacitors. 2018 , 11, 1775-1786	41
563	Wearable high-performance supercapacitors based on Ni-coated cotton textile with low-crystalline Ni-Al layered double hydroxide nanoparticles. 2018 , 513, 342-348	36
562	Facile hydrothermal synthesis of carbon-coated cobalt ferrite spherical nanoparticles as a potential negative electrode for flexible supercapattery. 2018 , 513, 480-488	26
561	Surface Self-Assembly of Functional Electroactive Nanofibers on Textile Yarns as a Facile Approach toward Super Flexible Energy Storage. 2018 , 1, 377-386	34
560	Three-dimensional nanotube-array anode enables a flexible Ni/Zn fibrous battery to ultrafast charge and discharge in seconds. 2018 , 12, 232-240	49
559	Wood-Based Nanotechnologies toward Sustainability. 2018 , 30, 1703453	229
558	Recent Progress of Textile-Based Wearable Electronics: A Comprehensive Review of Materials, Devices, and Applications. 2018 , 14, 1703034	318
557	Towards wearable electronic devices: A quasi-solid-state aqueous lithium-ion battery with outstanding stability, flexibility, safety and breathability. 2018 , 44, 164-173	176
556	Pseudocapacitive anthraquinone modified with reduced graphene oxide for flexible symmetric all-solid-state supercapacitors. 2018 , 127, 459-468	90
555	Recent progress in 2D materials for flexible supercapacitors. 2018 , 27, 57-72	129
554	Hierarchically porous sheath-core graphene-based fiber-shaped supercapacitors with high energy density. 2018 , 6, 896-907	62
553	Porous Polyelectrolytes: The Interplay of Charge and Pores for New Functionalities. 2018 , 57, 6754-6773	97

552	Preparation and characterization of graphene enriched poly(vinyl chloride) composites and fibers. 2018 , 109, 1008-1015	2
551	Pore Polyelektrolyte: Zusammenspiel zwischen Poren und Ladung für neue Funktionen. 2018 , 130, 6868-6889	5
550	Robust, hydrophilic graphene/cellulose nanocrystal fiber-based electrode with high capacitive performance and conductivity. 2018 , 127, 218-227	116
549	Nitrogen-doped porous carbons derived from a natural polysaccharide for multiple energy storage devices. 2018 , 2, 381-391	31
548	Flexible and conductive graphene-based fibers fabricated from pigment and TiO ₂ PU dual coatings as a colored insulative shell structure. 2018 , 6, 13261-13268	6
547	A Procedure for Evaluating the Capacity Associated with Battery-Type Electrode and Supercapacitor-Type One in Composite Electrodes. 2018 , 165, A4034-A4040	28
546	A Nanofibrillated Cellulose/Polyacrylamide Electrolyte-Based Flexible and Sewable High-Performance Zn-MnO Battery with Superior Shear Resistance. 2018 , 14, e1803978	119
545	Wood Pulp Fiber Wrapped by Fish-Scale Graphene as Flexible and Free-Standing Supercapacitor Electrode. 2018 , 38, 417-429	6
544	Stretchable and Compressible Supercapacitor with Polyaniline on Hydrogel Electrolyte. 2018 , 165, A3792-A3798	2
543	Microfluidic-Directed Hydrogel Fabrics Based on Interfibrillar Self-Healing Effects. 2018 , 30, 8822-8828	22
542	Recent Progress in Micro-Supercapacitor Design, Integration, and Functionalization. 2018 , 3, 1800367	71
541	Ultraviolet Irradiation Treatment for Enhanced Sodium Storage Performance Based on Wide-Interlayer-Spacing Hollow C@MoS ₂ @CN Nanospheres. 2018 , 10, 38084-38092	24
540	Wearable fiberform hygroelectric generator. 2018 , 53, 698-705	35
539	Stretchable and Self-Healing Integrated All-Gel-State Supercapacitors Enabled by a Notch-Insensitive Supramolecular Hydrogel Electrolyte. 2018 , 10, 36028-36036	52
538	Prospective Synthesis Approaches to Emerging Materials for Supercapacitor. 2018 , 185-208	2
537	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
536	3D Printing Fiber Electrodes for an All-Fiber Integrated Electronic Device via Hybridization of an Asymmetric Supercapacitor and a Temperature Sensor. 2018 , 5, 1801114	91
535	Carbon Nanotube-Graphene Composites Fibers. 2018 , 61-86	1

534	Microfluidic-spinning construction of black-phosphorus-hybrid microfibres for non-woven fabrics toward a high energy density flexible supercapacitor. <i>Nature Communications</i> , 2018 , 9, 4573	17.4	117
533	Tailoring Highly Flexible Hybrid Supercapacitors Developed by Graphite Nanoplatelets-Based Film: Toward Integrated Wearable Energy Platform Building Blocks. 2018 ,		7
532	Recent Advances in Nanowire-Based, Flexible, Freestanding Electrodes for Energy Storage. 2018 , 24, 18307-18321		26
531	Ag/MnO Composite Sheath-Core Structured Yarn Supercapacitors. 2018 , 8, 13309		23
530	Metal-Organic Framework Derived Spindle-like Carbon Incorporated β -FeO Grown on Carbon Nanotube Fiber as Anodes for High-Performance Wearable Asymmetric Supercapacitors. 2018 , 12, 9333-9341		198
529	Towards high areal capacitance, rate capability, and tailorable supercapacitors: Co_3O_4 @polypyrrole core-shell nanorod bundle array electrodes. 2018 , 6, 19058-19065		79
528	Wearable Wire-Shaped Symmetric Supercapacitors Based on Activated Carbon-Coated Graphite Fibers. 2018 , 10, 34302-34310		36
527	Efficient and scalable synthesis of highly aligned and compact two-dimensional nanosheet films with record performances. <i>Nature Communications</i> , 2018 , 9, 3484	17.4	88
526	Elastic Fiber Supercapacitors for Wearable Energy Storage. 2018 , 39, e1800103		21
525	Electrical property of macroscopic graphene composite fibers prepared by chemical vapor deposition. 2018 , 29, 305601		3
524	Semi-transparent foldable supercapacitor for 3D structured energy storage devices. 2018 ,		
523	Self-Assembled Nanorod Structures on Nanofibers for Textile Electrochemical Capacitor Electrodes with Intrinsic Tactile Sensing Capabilities. 2018 , 10, 19037-19046		17
522	A Flexible and Knittable Fiber Supercapacitor for Wearable Energy Storage with High Energy Density and Mechanical Robustness. 2018 , 165, A1515-A1522		19
521	Ternary composite solid-state flexible supercapacitor based on nanocarbons/manganese dioxide/PEDOT:PSS fibres. 2018 , 155, 194-202		24
520	Graphene-Based Flexible Energy Storage Devices. 2018 , 175-199		3
519	Camellia pollen-derived carbon for supercapacitor electrode material. 2018 , 394, 9-16		53
518	All-climate aqueous fiber-shaped supercapacitors with record areal energy density and high safety. 2018 , 50, 106-117		53
517	Multilayer-Folded Graphene Ribbon Film with Ultrahigh Areal Capacitance and High Rate Performance for Compressible Supercapacitors. 2018 , 28, 1800597		112

516	Solution-Processable Design of Fiber-Shaped Wearable Zn//Ni(OH) ₂ Battery. 2018 , 6, 2326-2332	19
515	All-printed ultraflexible and stretchable asymmetric in-plane solid-state supercapacitors (ASCs) for wearable electronics. 2018 , 397, 59-67	52
514	Wearable supercapacitors based on conductive cotton yarns. 2018 , 53, 14586-14597	18
513	Polyester@MXene nanofibers-based yarn electrodes. 2018 , 396, 683-690	88
512	Hierarchical core-sheath polypyrrole@carbon nanotube/bacterial cellulose macrofibers with high electrochemical performance for all-solid-state supercapacitors. 2018 , 283, 1578-1588	32
511	Advances in Flexible and Wearable Energy-Storage Textiles. 2018 , 2, 1800124	87
510	Fabrication of Coaxial Wet-Spun Biofibres Containing Graphene Core. 2018 , 79-106	
509	Introduction and Literature Review. 2018 , 1-45	
508	Aramid fibre-based wearable electrochemical capacitors with high energy density and mechanical properties through chemical synergistic combination of multi-coatings. 2018 , 284, 149-158	6
507	Synthesis and characterization of graphene/carbonized paper/tannic acid for flexible composite electrodes. 2018 , 42, 14576-14585	11
506	Design of Pt-Supported 1D and 3D Multilayer Graphene-Based Structural Composite Electrodes with Controlled Morphology by Core-Shell Electrospinning/Electrospraying. 2018 , 3, 6400-6410	10
505	Fiber/Yarn-Based Flexible Supercapacitor. 2018 , 37-65	
504	Hollow Polypyrrole Sleeve Based Coaxial Fiber Supercapacitors for Wearable Integrated Photosensing System. 2018 , 3, 1800115	19
503	Graphene-Based Nanomaterials for Flexible and Wearable Supercapacitors. 2018 , 14, e1800879	74
502	Cotton yarns modified with three-dimensional metallic Ni conductive network and pseudocapacitive Co-Ni layered double hydroxide nanosheet array as electrode materials for flexible yarn supercapacitors. 2018 , 283, 1789-1797	25
501	Wearable Lithium Ion Batteries Based on Carbon Nanotubes and Graphene. 2018 , 3, 1800041	14
500	Metal-organic frameworks and their composites as efficient electrodes for supercapacitor applications. 2018 , 369, 15-38	178
499	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. 2018 , 10, 18021-18028	120

498	Yarn-form electrodes with high capacitance and cycling stability based on hierarchical nanostructured nickel-cobalt mixed oxides for weavable fiber-shaped supercapacitors. 2018 , 400, 157-166	24
497	Rational Design of Hierarchical Titanium Nitride@Vanadium Pentoxide Core-Shell Heterostructure Fibrous Electrodes for High-Performance 1.6 V Nonpolarity Wearable Supercapacitors. 2018 , 10, 29705-29711	17
496	Biomass-waste derived graphene quantum dots and their applications. 2018 , 140, 77-99	119
495	Enhanced electrochemical properties of hierarchically sheath-core aligned carbon nanofibers coated carbon fiber yarn electrode-based supercapacitor via polyaniline nanowire array modification. 2018 , 399, 406-413	44
494	Large-Scale Conductive Yarns Based on Twistable Korean Traditional Paper (Hanji) for Supercapacitor Applications: Toward High-Performance Paper Supercapacitors. 2018 , 8, 1801854	33
493	High-Performing and Stable Wearable Supercapacitor Exploiting rGO Aerogel Decorated with Copper and Molybdenum Sulfides on Carbon Fibers. 2018 , 1, 4440-4447	74
492	One-Pot Synthesis of a Double-Network Hydrogel Electrolyte with Extraordinarily Excellent Mechanical Properties for a Highly Compressible and Bendable Flexible Supercapacitor. 2018 , 10, 29684-29693	55
491	Wet-to-Dry Hybrid Spinning of Graphene Fiber Inspired by Spider Silk Production Mechanisms. 2018 , 5, 1800585	7
490	Ultrahigh energy fiber-shaped supercapacitors based on porous hollow conductive polymer composite fiber electrodes. 2018 , 6, 12250-12258	29
489	Nano-RuO ₂ -Decorated Holey Graphene Composite Fibers for Micro-Supercapacitors with Ultrahigh Energy Density. 2018 , 14, e1800582	85
488	High-performance flexible-film supercapacitors of layered hydrous RuO ₂ /poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) through vacuum filtration. 2018 , 283, 744-754	21
487	Solar thermal-driven capacitance enhancement of supercapacitors. 2018 , 11, 2016-2024	54
486	A "Tandem" Strategy to Fabricate Flexible Graphene/Polypyrrole Nanofiber Film Using the Surfactant-Exfoliated Graphene for Supercapacitors. 2018 , 10, 22031-22041	27
485	Fiber-Type Solar Cells, Nanogenerators, Batteries, and Supercapacitors for Wearable Applications. 2018 , 5, 1800340	79
484	Capillarity-driven assembly of single-walled carbon nanotubes onto nickel wires for flexible wire-shaped supercapacitors. 2018 , 1, 91-96	8
483	A flexible solid-state supercapacitor based on graphene/polyaniline paper electrodes. 2019 , 32, 166-173	52
482	Activated carbon fibers with manganese dioxide coating for flexible fiber supercapacitors with high capacitive performance. 2019 , 31, 95-100	30
481	Scalable and controllable synthesis of multi-shell hollow carbon microspheres for high-performance supercapacitors. 2019 , 154, 330-341	26

480	Thicker carbon-nanotube/manganese-oxide hybridized nanostructures as electrodes for the creation of fiber-shaped high-energy-density supercapacitors. 2019 , 154, 169-177	20
479	Electrodeposition of MnO/MnO on Carbon Nanotube for Yarn Supercapacitor. 2019 , 9, 11271	36
478	3D-Printed Coaxial Fibers for Integrated Wearable Sensor Skin. 2019 , 4, 1900504	38
477	Controlled open-cell two-dimensional liquid foam generation for micro- and nanoscale patterning of materials. <i>Nature Communications</i> , 2019 , 10, 3209	17.4 8
476	Advanced deformable all-in-one hydrogel supercapacitor based on conducting polymer: Toward integrated mechanical and capacitive performance. 2019 , 805, 1044-1051	38
475	Freestanding Laser-Assisted Reduced Graphene Oxide Microribbon Textile Electrode Fabricated on a Liquid Surface for Supercapacitors and Breath Sensors. 2019 , 11, 27183-27191	17
474	Enhancing the Performance of Textile Triboelectric Nanogenerators with Oblique Microrod Arrays for Wearable Energy Harvesting. 2019 , 11, 26824-26829	28
473	Facile synthesis of carbon nanobranches towards cobalt ion sensing and high-performance micro-supercapacitors. 2019 , 1, 3614-3620	3
472	Highly Flexible and Stretchable Nanowire Superlattice Fibers Achieved by Spring-Like Structure of Sub-1 nm Nanowires. 2019 , 29, 1903477	8
471	Piezotronics and Piezo-phototronics of Third Generation Semiconductor Nanowires. 2019 , 119, 9303-9359	112
470	Flexible solvent-free supercapacitors with high energy density enabled by electrical-ionic hybrid polymer nanocomposites. 2019 , 7, 16748-16760	12
469	A facile route to mechanically robust graphene oxide fibers.. 2019 , 9, 20248-20255	5
468	One-step Production of Continuous Supercapacitor Fibers for a Flexible Power Textile. 2019 , 37, 737-743	24
467	MXene-Reinforced Cellulose Nanofibril Inks for 3D-Printed Smart Fibres and Textiles. 2019 , 29, 1905898	107
466	Direct Ink Writing of Wearable Thermoresponsive Supercapacitors with rGO/CNT Composite Electrodes. 2019 , 4, 1900691	21
465	Hierarchical Micro-Mesoporous Carbon-Framework-Based Hybrid Nanofibres for High-Density Capacitive Energy Storage. 2019 , 58, 17465-17473	60
464	Hydrated ruthenium dioxides @ graphene based fiber supercapacitor for wearable electronics. 2019 , 440, 227143	18
463	Stamp-Assisted Gravure Printing of Micro-Supercapacitors with General Flexible Substrates. 2019 ,	3

462	High-performance fibre supercapacitors based on ball-milled activated carbon nanoparticles mixed with pen ink. 2019 , 30, 20881-20891	5
461	Hierarchical Micro-Mesoporous Carbon-Framework-Based Hybrid Nanofibres for High-Density Capacitive Energy Storage. 2019 , 131, 17626-17634	12
460	Flexible Planar-Integrated Micro-Supercapacitors from Electrochemically Exfoliated Graphene as Advanced Electrodes Prepared by Flash Foam-Assisted Stamp Technique on Paper. 2019 , 7, 1900664	5
459	Flexible Solid-State Supercapacitors with High Areal Performance Enabled by Chlorine-Doped Graphene Films with Commercial-Level Mass Loading. 2019 , 7, 18844-18853	22
458	Versatile 3D porous recycled carbon garments with fully-loaded active materials in the current collector for advanced lithium-ion batteries. 2019 , 179, 107519	4
457	Iridescence in nematics: Photonic liquid crystals of nanoplates in absence of long-range periodicity. 2019 , 116, 18322-18327	25
456	Hydrophilicity Improvement of Graphene Fibers for High-Performance Flexible Supercapacitor. 2019 , 58, 17338-17345	15
455	Self-Powered Inhomogeneous Strain Sensor Enabled Joint Motion and Three-Dimensional Muscle Sensing. 2019 , 11, 34251-34257	27
454	Electrolyte selection for supercapacitive devices: a critical review. 2019 , 1, 3807-3835	337
453	Self-Assembled Flexible and Integratable 3D Microtubular Asymmetric Supercapacitors. 2019 , 6, 1901051	24
452	Three-Dimensional Reduced Graphene Oxide/Poly(3,4-Ethylenedioxythiophene) Composite Open Network Architectures for Microsupercapacitors. 2019 , 14, 267	6
451	All-printed, interdigitated, freestanding serpentine interconnects based flexible solid state supercapacitor for self powered wearable electronics. 2019 , 65, 104055	55
450	High-performance coaxial wire-shaped supercapacitors using ionogel electrolyte toward sustainable energy system. 2019 , 34, 3030-3039	62
449	Poly(Ionic Liquid)-Derived Graphitic Nanoporous Carbon Membrane Enables Superior Supercapacitive Energy Storage. 2019 , 13, 10261-10271	32
448	Biomass derived carbon as binder-free electrode materials for supercapacitors. 2019 , 155, 706-726	149
447	Solution blow spinning of polymer/nanocomposite micro-/nanofibers with tunable diameters and morphologies using a gas dynamic virtual nozzle. 2019 , 9, 14297	24
446	Hybrid carbon nanostructured fibers: stepping stone for intelligent textile-based electronics. 2019 , 11, 3046-3101	46
445	Optimal structuring of nitrogen-doped hybrid-dimensional nanocarbons for high-performance flexible solid-state supercapacitors. 2019 , 7, 7501-7515	11

444	Deposition-float-assembly formation mechanism of continuous hollow cylindrical carbon nanotube sock via floating catalyst chemical vapor deposition. 2019 , 54, 6961-6970	3
443	Conducting Polymers for Flexible Supercapacitors. 2019 , 220, 1800355	89
442	Designed mesoporous hollow sphere architecture metal (Mn, Co, Ni) silicate: A potential electrode material for flexible all solid-state asymmetric supercapacitor. 2019 , 362, 818-829	174
441	1T-Molybdenum disulfide/reduced graphene oxide hybrid fibers as high strength fibrous electrodes for wearable energy storage. 2019 , 7, 3143-3149	30
440	Duplex printing of all-in-one integrated electronic devices for temperature monitoring. 2019 , 7, 972-978	27
439	Reconfigurable solid-state electrolytes for high performance flexible supercapacitor. 2019 , 432, 16-23	10
438	Textile carbon network with enhanced areal capacitance prepared by chemical activation of cotton cloth. 2019 , 553, 705-712	30
437	Three-Dimensional Hierarchically Porous Graphene Fiber-Shaped Supercapacitors with High Specific Capacitance and Rate Capability. 2019 , 11, 25205-25217	30
436	Defect-induced formation mechanism for boron nitride nanosheets-nanotubes hybrid structures. 2019 , 171, 16-20	7
435	Achieving Rich Mixed-Valence Polysulfide/Carbon Nanotube Films toward Ultrahigh Volume Energy Density and Largely Deformable Pseudocapacitors. 2019 , 11, 25271-25282	4
434	A flexible, adhesive and self-healable hydrogel-based wearable strain sensor for human motion and physiological signal monitoring. 2019 , 7, 4638-4648	116
433	Flash foam stamp-inspired fabrication of flexible in-plane graphene integrated micro-supercapacitors on paper. 2019 , 433, 226703	17
432	Ultra-Thin Conductive Graphitic Carbon Nitride Assembly through van der Waals Epitaxy toward High-Energy-Density Flexible Supercapacitors. 2019 , 19, 4103-4111	55
431	Multifunctional reduced graphene oxide-CVD graphene core-shell fibers. 2019 , 11, 12637-12642	19
430	Reduced graphene oxide/carbon nanotube hybrid fibers with narrowly distributed mesopores for flexible supercapacitors with high volumetric capacitances and satisfactory durability. 2019 , 152, 134-143	59
429	Interpenetrating-Syncretic Micro-Nano Hierarchy Fibers for Effective Fine Particle Capture. 2019 , 21, 1801361	3
428	Structure-tunable graphene oxide fibers via microfluidic spinning route for multifunctional textiles. 2019 , 152, 106-113	34
427	Tungsten oxynitride nanowires as negative electrode for fiber-shaped supercapacitor. 2019 , 427, 243-249	13

426	Core-Sheath Porous Polyaniline Nanorods/Graphene Fiber-Shaped Supercapacitors with High Specific Capacitance and Rate Capability. 2019 , 2, 4335-4344	39
425	Facile construction of 3D porous carbon nanotubes/polypyrrole and reduced graphene oxide on carbon nanotube fiber for high-performance asymmetric supercapacitors. 2019 , 314, 9-19	45
424	Experimental and Predictive Description of the Morphology of Wet-Spun Fibers. 2019 , 1, 1280-1290	4
423	Fabrication of MnO ₂ -carbonized cotton yarn derived hierarchical porous active carbon flexible supercapacitor electrodes for potential applications in cable-type devices. 2019 , 487, 180-188	25
422	Scalable manufacturing and applications of nanofibers. 2019 , 28, 98-113	57
421	Integration of Electrochemical Microsupercapacitors with Thin Film Electronics for On-Chip Energy Storage. 2019 , 31, e1807450	20
420	High performance asymmetric supercapacitor based on hierarchical flower-like NiCo ₂ S ₄ @polyaniline. 2019 , 487, 68-76	28
419	Interwoven Carbon Nanotube Wires for High-Performing, Mechanically Robust, Washable, and Wearable Supercapacitors. 2019 , 11, 18285-18294	22
418	CoNi-layered double hydroxide array on graphene-based fiber as a new electrode material for microsupercapacitor. 2019 , 487, 1-8	12
417	The Rise of Fiber Electronics. 2019 , 131, 13778-13788	11
416	The Rise of Fiber Electronics. 2019 , 58, 13643-13653	48
415	Multivalent metal ion hybrid capacitors: a review with a focus on zinc-ion hybrid capacitors. 2019 , 7, 13810-13836	36
414	Amphiphilic core-sheath structured composite fiber for comprehensively performed supercapacitor. 2019 , 62, 955-964	21
413	A core-sheath holey graphene/graphite composite fiber intercalated with MoS ₂ nanosheets for high-performance fiber supercapacitors. 2019 , 305, 493-501	36
412	Molybdenum selenide nanotubes decorated carbon net for a high performance supercapacitor. 2019 , 368, 772-783	35
411	A cross-linked polyacrylamide electrolyte with high ionic conductivity for compressible supercapacitors with wide temperature tolerance. 2019 , 12, 1199-1206	41
410	A textile-based wearable supercapacitor using reduced graphene oxide/polypyrrole composite. 2019 , 305, 187-196	74
409	N-doped mesoporous carbon derived from electrodeposited polypyrrole on porous carbon cloth for high-performance flexibility supercapacitors. 2019 , 839, 39-47	12

408	Functional graphene film macroscopic assemblies for flexible supercapacitor application. 2019 , 1168, 022071	1
407	A Shape Memory High-Voltage Supercapacitor with Asymmetric Organic Electrolytes for Driving an Integrated NO ₂ Gas Sensor. 2019 , 29, 1901996	27
406	Biopolymer-based carboxylated chitosan hydrogel film crosslinked by HCl as gel polymer electrolyte for all-solid-state supercapacitors. 2019 , 426, 47-54	64
405	Fiber-Like Supercapacitor Devices Based on CNT and Graphene. 2019 , 625-641	0
404	A self-healable and highly flexible supercapacitor integrated by dynamically cross-linked electro-conductive hydrogels based on nanocellulose-templated carbon nanotubes embedded in a viscoelastic polymer network. 2019 , 149, 1-18	188
403	Lithium titanate/pyrenecarboxylic acid decorated carbon nanotubes hybrid - Alginate gel supercapacitor. 2019 , 309, 253-263	11
402	Electrochemically Activated Nickel-Carbon Composite as Ultrastable Cathodes for Rechargeable Nickel-Zinc Batteries. 2019 , 11, 14854-14861	34
401	Advances of Microfluidics in Biomedical Engineering. 2019 , 4, 1800663	29
400	Nanofiber Cellulose-Incorporated Nanomesh Graphene/Carbon Nanotube Buckypaper and Ionic Liquid-Based Solid Polymer Electrolyte for Flexible Supercapacitors. 2019 , 7, 1900014	6
399	Polypyrrole@TEMPO-oxidized bacterial cellulose/reduced graphene oxide macrofibers for flexible all-solid-state supercapacitors. 2019 , 368, 1022-1032	52
398	2D materials for 1D electrochemical energy storage devices. 2019 , 19, 102-123	49
397	Wearable and Implantable Triboelectric Nanogenerators. 2019 , 29, 1808820	166
396	Photo-responsive heterojunction nanosheets of reduced graphene oxide for photo-detective flexible energy devices. 2019 , 7, 7736-7744	10
395	Graphene-Graphite Polyurethane Composite Based High-Energy Density Flexible Supercapacitors. 2019 , 6, 1802251	58
394	Facile fabrication of a fully biodegradable and stretchable serpentine-shaped wire supercapacitor. 2019 , 366, 62-71	45
393	Novel mesoporous electrode materials for symmetric, asymmetric and hybrid supercapacitors. 2019 , 30, 202001	42
392	A review of studies using graphenes in energy conversion, energy storage and heat transfer development. 2019 , 184, 581-599	79
391	Toward wearable electronics: A lightweight all-solid-state supercapacitor with outstanding transparency, foldability and breathability. 2019 , 22, 402-409	25

390	Three-Dimensional Porous Carbon Nanotubes/Reduced Graphene Oxide Fiber from Rapid Phase Separation for a High-Rate All-Solid-State Supercapacitor. 2019 , 11, 9283-9290	53
389	Spinning and Applications of Bioinspired Fiber Systems. 2019 , 13, 2749-2772	88
388	A high energy density fiber-shaped supercapacitor based on zinc-cobalt bimetallic oxide nanowire forests on carbon nanotube fibers. 2019 , 34, 559-568	9
387	Core-Shell Fibers: Design, Roles, and Controllable Release Strategies in Tissue Engineering and Drug Delivery. 2019 , 11,	37
386	All Organic, Conductive Nanofibrous Twisted Yarns. 2019 ,	
385	In-situ grown manganese silicate from biomass-derived heteroatom-doped porous carbon for supercapacitors with high performance. 2019 , 534, 142-155	120
384	3D Printing of Tunable Energy Storage Devices with Both High Areal and Volumetric Energy Densities. 2019 , 9, 1802578	93
383	All Fiber Based Electrochemical Capacitor towards Wearable AC Line Filters with Outstanding Rate Capability. 2019 , 6, 1450-1457	6
382	Bi-functional water-born polyurethane-potassium poly(acrylate) designed for carbon-based electrodes of quasi solid-state supercapacitors: Establishing ionic tunnels and acting as a binder. 2019 , 413, 77-85	14
381	Recent Advances on Self-Healing Materials and Batteries. 2019 , 6, 1605-1622	31
380	Theoretical study and applications of self-sensing supercapacitors under extreme mechanical effects. 2019 , 26, 53-60	3
379	High performance wire-type supercapacitor with Ppy/CNT-ionic liquid/AuNP/carbon fiber electrode and ionic liquid based electrolyte. 2019 , 144, 639-648	40
378	Recent progress in printed flexible solid-state supercapacitors for portable and wearable energy storage. 2019 , 410-411, 69-77	104
377	A Single Robust Hydrogel Film Based Integrated Flexible Supercapacitor. 2019 , 7, 165-173	49
376	One-step wet-spinning process of CB/CNT/MnO ₂ nanotubes hybrid flexible fibres as electrodes for wearable supercapacitors. 2019 , 296, 481-490	18
375	A high-performance all-solid-state yarn supercapacitor based on polypyrrole-coated stainless steel/cotton blended yarns. 2019 , 26, 1169-1181	14
374	High-Performance Yarn Supercapacitor Based on Metal-Inorganic-Organic Hybrid Electrode for Wearable Electronics. 2019 , 5, 1800435	13
373	MoS ₂ /NiS ₂ Yolk-Shell Microsphere-Based Electrodes for Overall Water Splitting and Asymmetric Supercapacitor. 2019 , 15, e1803639	134

- 372 Porous Graphene-Carbon Nanotube Scaffolds for Fiber Supercapacitors. **2019**, 11, 9011-9022 59
- 371 High-Energy Asymmetric Supercapacitor Yarns for Self-Charging Power Textiles. **2019**, 29, 1806298 76
- 370 All-Solid-State Fiber Supercapacitors with Ultrahigh Volumetric Energy Density and Outstanding Flexibility. **2019**, 9, 1802753 140
- 369 A single step strategy to fabricate graphene fibres via electrochemical exfoliation for micro-supercapacitor applications. **2019**, 299, 645-653 19
- 368 Electrochemical properties of PEDOT: PSS /V2O5 hybrid fiber based supercapacitors. **2019**, 129, 234-241 10
- 367 An intrinsically 400% stretchable and 50% compressible NiCo//Zn battery. **2019**, 58, 338-346 60
- 366 Mechanical and electrical response variation of the polyurethane/lin oxide/carbon nanotube composite microfiber depending on the chemical solution. **2019**, 57, 495-502 1
- 365 Elastomer-Free, Stretchable, and Conformable Silver Nanowire Conductors Enabled by Three-Dimensional Buckled Microstructures. **2019**, 11, 6541-6549 22
- 364 Graphene-based supercapacitors as flexible wearable sensor for monitoring pulse-beat. **2019**, 45, 2516-2520 23
- 363 Wet-spun poly(ionic liquid)-graphene hybrid fibers for high performance all-solid-state flexible supercapacitors. **2019**, 34, 104-110 19
- 362 A novel rod-like porous carbon with ordered hierarchical pore structure prepared from Al-based metal-organic framework without template as greatly enhanced performance for supercapacitor. **2019**, 409, 13-23 57
- 361 The Recent Advance in Fiber-Shaped Energy Storage Devices. **2019**, 5, 1800456 68
- 360 Low power stretchable active-matrix red, green, blue (RGB) electrochromic device array of poly(3-methylthiophene)/Prussian blue. **2019**, 471, 300-308 28
- 359 Graphene Oxide Hybrid with Sulfur-Nitrogen Polymer for High-Performance Pseudocapacitors. **2019**, 141, 482-487 38
- 358 Advanced Carbon for Flexible and Wearable Electronics. **2019**, 31, e1801072 458
- 357 A self-healable and mechanical toughness flexible supercapacitor based on polyacrylic acid hydrogel electrolyte. **2019**, 357, 428-434 56
- 356 All-Solid-State Fiber-Shaped Asymmetric Supercapacitors with Ultrahigh Energy Density Based on Porous Vanadium Nitride Nanowires and Ultrathin Ni(OH)₂ Nanosheet Wrapped NiCo₂O₄ Nanowires Arrays Electrode. **2019**, 123, 985-993 19
- 355 All-fabric flexible supercapacitor for energy storage. **2020**, 49, 1061-1077 6

354	Recent Advances in Fiber Supercapacitors: Materials, Device Configurations, and Applications. 2020 , 32, e1901806	126
353	Fabrication and study of supercapacitor electrodes based on oxygen plasma functionalized carbon nanotube fibers. 2020 , 40, 120-131	52
352	Activated carbon clothes for wide-voltage high-energy-density aqueous symmetric supercapacitors. 2020 , 31, 1620-1624	16
351	Synergetic design of enlarged surface area and pseudo-capacitance for fiber-shaped supercapacitor yarn. 2020 , 67, 104198	28
350	Making Fiber-Shaped Ni//Bi Battery Simultaneously with High Energy Density, Power Density, and Safety. 2020 , 30, 1905971	24
349	Miniaturized Energy Storage Devices Based on Two-Dimensional Materials. 2020 , 13, 1420-1446	15
348	Robust, Superelastic Hard Carbon with In Situ Ultrafine Crystals. 2020 , 30, 1907486	13
347	A Review on Graphene Fibers: Expectations, Advances, and Prospects. 2020 , 32, e1902664	126
346	Carbon Nanotube Yarn for Fiber-Shaped Electrical Sensors, Actuators, and Energy Storage for Smart Systems. 2020 , 32, e1902670	96
345	Graphene-based composites for electrochemical energy storage. 2020 , 24, 22-51	214
344	Application Challenges in Fiber and Textile Electronics. 2020 , 32, e1901971	161
343	2.2V high performance symmetrical fiber-shaped aqueous supercapacitors enabled by water-in-salt gel electrolyte and N-Doped graphene fiber. 2020 , 24, 495-503	43
342	1D Supercapacitors for Emerging Electronics: Current Status and Future Directions. 2020 , 32, e1902387	96
341	A Route Toward Smart System Integration: From Fiber Design to Device Construction. 2020 , 32, e1902301	67
340	Graphene-Based Fibers: Recent Advances in Preparation and Application. 2020 , 32, e1901979	50
339	An Overview of Fiber-Shaped Batteries with a Focus on Multifunctionality, Scalability, and Technical Difficulties. 2020 , 32, e1902151	117
338	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
337	Development and application of self-healing materials in smart batteries and supercapacitors. 2020 , 380, 122565	81

336	Excellent performance of flexible supercapacitor based on the ternary composites of reduced graphene oxide/molybdenum disulfide/poly (3,4-ethylenedioxythiophene). 2020 , 330, 135205	28
335	Flexible self-powered fiber-shaped photocapacitors with ultralong cyclelife and total energy efficiency of 5.1%. 2020 , 24, 255-264	16
334	Flexible and stretchable inorganic electronics: Conductive materials, fabrication strategy, and applicable devices. 2020 , 199-252	2
333	Integrated Conductive Hybrid Architecture of MetalOrganic Framework Nanowire Array on Polypyrrole Membrane for All-Solid-State Flexible Supercapacitors. 2020 , 10, 1901892	97
332	An all-solid-state fiber-type supercapacitor based on hierarchical Ni/NiO@CoNi-layered double hydroxide core-shell nanoarrays. 2020 , 813, 152187	23
331	Interfacial polyelectrolyte complexation spinning of graphene/cellulose nanofibrils for fiber-shaped electrodes. 2020 , 35, 122-131	4
330	Cryopolymerization enables anisotropic polyaniline hybrid hydrogels with superelasticity and highly deformation-tolerant electrochemical energy storage. <i>Nature Communications</i> , 2020 , 11, 62	17.4 98
329	High-performance flexible freestanding polypyrrole-coated CNF film electrodes for all-solid-state supercapacitors. 2020 , 24, 533-544	19
328	Flexible coaxial fiber-shaped asymmetric supercapacitors based on manganese, nickel co-substituted cobalt carbonate hydroxides. 2020 , 8, 1837-1848	41
327	Flexible integrated metallic glass-based sandwich electrodes for high-performance wearable all-solid-state supercapacitors. 2020 , 19, 100539	25
326	Highly-conductive PEDOT:PSS hydrogel framework based hybrid fiber with high volumetric capacitance and excellent rate capability. 2020 , 334, 135530	15
325	Enhanced Electrical and Mechanical Properties of Chemically Cross-Linked Carbon-Nanotube-Based Fibers and Their Application in High-Performance Supercapacitors. 2020 , 14, 632-639	24
324	Highly conducting silver nanowire-polyacrylonitrile hollow fibres for flexible supercapacitors. 2020 , 44, 1284-1293	3
323	Coaxial Spinning of All-Cellulose Systems for Enhanced Toughness: Filaments of Oxidized Nanofibrils Sheathed in Cellulose II Regenerated from a Protic Ionic Liquid. 2020 , 21, 878-891	12
322	AgCoO ₂ /Co ₃ O ₄ /CMC Cloudy Architecture as High Performance Electrodes for Asymmetric Supercapacitors. 2020 , 7, 535-545	8
321	Hierarchical Porous RGO/PEDOT/PANI Hybrid for Planar/Linear Supercapacitor with Outstanding Flexibility and Stability. 2020 , 12, 17	27
320	The influence of facile pre-reaction on the morphology and electrochemical performance of MnO(OH)/Co(OH) ₂ composite for supercapacitor. 2020 , 26, 2071-2079	1
319	3D Printing of Electrochemical Energy Storage Devices: A Review of Printing Techniques and Electrode/Electrolyte Architectures. 2020 , 3, 130-146	59

318	Nanocarbon Materials Toward Textile-Based Electrochemical Energy Storage Devices. 2020 , 123-143	1
317	CNT yarn-based supercapacitors. 2020 , 243-270	5
316	Synthesis of high-performance TiN based battery-type wire supercapacitors and their energy storage mechanisms. 2020 , 334, 135543	6
315	2D Graphene-Based Macroscopic Assemblies for Micro-Supercapacitors. 2020 , 13, 1255-1274	14
314	Stretchable Supercapacitors as Emergent Energy Storage Units for Health Monitoring Bioelectronics. 2020 , 10, 1902769	57
313	Twist-spinning assembly of robust ultralight graphene fibers with hierarchical structure and multi-functions. 2020 , 158, 157-162	7
312	Stretchable energy storage E-skin supercapacitors and body movement sensors. 2020 , 305, 127529	21
311	Microfluidic-Architected Nanoarrays/Porous Core-Shell Fibers toward Robust Micro-Energy-Storage. 2020 , 7, 1901931	27
310	Soft Hybrid Scaffold (SHS) Strategy for Realization of Ultrahigh Energy Density of Wearable Aqueous Supercapacitors. 2020 , 32, e1907088	31
309	Selected functionalization of continuous graphene fibers for integrated energy conversion and storage. 2020 , 65, 486-495	18
308	2D Metal Zn Nanostructure Electrodes for High-Performance Zn Ion Supercapacitors. 2020 , 10, 1902981	90
307	N, S codoped activated mesoporous carbon derived from the Datura metal seed pod as active electrodes for supercapacitors. 2020 , 102, 107687	12
306	Hierarchical core-shell fibers of graphene fiber/radially-aligned molybdenum disulfide nanosheet arrays for highly efficient energy storage. 2020 , 828, 153622	15
305	Anisotropic Boron-Carbon Hetero-Nanosheets for Ultrahigh Energy Density Supercapacitors. 2020 , 132, 24008-24017	8
304	Constructing novel fiber electrodes with porous nickel yarns for all-solid-state flexible wire-shaped supercapacitors. 2020 , 44, 19076-19082	2
303	Rational design of fast recoverable shape-memory photoelectric spring in response to tiny deformation for monitoring underwater microvibration. 2020 , 202, 108402	6
302	Boosted Electrochemical Performance of Honeycomb-Like NiCu-DH Nanosheets Anchoring on NiCo ₂ S ₄ Nanotube Arrays for Flexible Solid-State Hybrid Supercapacitors. 2020 , 34, 13157-13166	14
301	Microfluidic fabrication of hierarchically porous superconductive carbon black/graphene hybrid fibers for wearable supercapacitor with high specific capacitance. 2020 , 354, 136731	4

- 300 Iron oxides nanobelt arrays rooted in nanoporous surface of carbon tube textile as stretchable and robust electrodes for flexible supercapacitors with ultrahigh areal energy density and remarkable cycling-stability. **2020**, 10, 11023 14
- 299 Reduced Graphene Oxide/Polyester Yarns Supported Conductive Metal-Organic Framework Nanorods as Novel Electrodes for All-Solid-State Supercapacitors. **2020**, 34, 16879-16884 12
- 298 Self-Powered and Self-Sensing Energy Textile System for Flexible Wearable Applications. **2020**, 12, 55876-55883 3
- 297 Manganese oxides: promising electrode materials for Li-ion batteries and supercapacitors. **2020**, 31, 14003-14021 5
- 296 Advances on Emerging Materials for Flexible Supercapacitors: Current Trends and Beyond. **2020**, 30, 2002993 39
- 295 Stretchable and Shelf-Stable All-Polymer Supercapacitors Based on Sealed Conductive Hydrogels. **2020**, 3, 8850-8857 3
- 294 Textile-based supercapacitors for flexible and wearable electronic applications. **2020**, 10, 13259 24
- 293 Large-Area and 3D Polyaniline Nanoweb Film for Flexible Supercapacitors with High Rate Capability and Long Cycle Life. **2020**, 3, 7746-7755 20
- 292 Alternately Dipping Method to Prepare Graphene Fiber Electrodes for Ultra-high-Capacitance Fiber Supercapacitors. **2020**, 23, 101396 8
- 291 Regenerated and rotation-induced cellulose-wrapped oriented CNT fibers for wearable multifunctional sensors. **2020**, 12, 16305-16314 8
- 290 Recent Progress of Flexible Lithium-Air/O₂ Battery. **2020**, 5, 2000476 13
- 289 Wet-spinning fabrication of multi-walled carbon nanotubes reinforced poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) hybrid fibers for high-performance fiber-shaped supercapacitor. **2020**, 31, 19293-19308 5
- 288 Tungsten nitride-coated graphene fibers for high-performance wearable supercapacitors. **2020**, 12, 20239-20246 10
- 287 Microfluidic-Oriented Synthesis of Graphene Oxide Nanosheets toward High Energy Density Supercapacitors. **2020**, 34, 11519-11526 8
- 286 Doped photo-crosslinked polyesteramide hydrogels as solid electrolytes for supercapacitors. **2020**, 16, 8033-8046 2
- 285 Knitting Controllable Oxygen-Functionalized Carbon Fiber for Ultrahigh Capacitance Wire-Shaped Supercapacitors. **2020**, 12, 44866-44873 9
- 284 Anisotropic Boron-Carbon Hetero-Nanosheets for Ultrahigh Energy Density Supercapacitors. **2020**, 59, 23800-23809 31
- 283 All-solid-state flexible supercapacitor using graphene/g-C₃N₄ composite capacitor electrodes. **2020**, 55, 16334-16346 11

282	All-Carbon Conductors for Electronic and Electrical Wiring Applications. 2020 , 7,	16
281	Precision Manufacturing of a Linear Fiber Assembly with Axially Varying Compositions and Structures by Using Computer Numerically Controlled Ring Spinning. 2020 , 21, 2675-2684	3
280	Emergence of spin-orbit torques in 2D transition metal dichalcogenides: A status update. 2020 , 7, 041312	18
279	100 m Long Thermally Drawn Supercapacitor Fibers with Applications to 3D Printing and Textiles. 2020 , 32, e2004971	37
278	High Volumetric Energy Density Asymmetric Fibrous Supercapacitors with Coaxial Structure Based on Graphene/MnO ₂ Hybrid Fibers. 2020 , 7, 4641-4648	5
277	Study of impedance and solid-state double-layer capacitor behavior of proton (H ⁺)-conducting polymer blend electrolyte-based CS:PS polymers. 2020 , 26, 4635-4649	21
276	Reduced Graphene Oxide/Poly(Pyrrole--Thiophene) Hybrid Composite Materials: Synthesis, Characterization, and Supercapacitive Properties. 2020 , 12,	6
275	Microstructure of fibres pressure-spun from polyacrylonitrile-graphene oxide composite mixtures. 2020 , 197, 108214	3
274	Microstructure Design of Carbonaceous Fibers: A Promising Strategy toward High-Performance Weaveable/Wearable Supercapacitors. 2020 , 16, e2000653	26
273	Mesoporous Carbon Microfibers for Electroactive Materials Derived from Lignocellulose Nanofibrils. 2020 , 8, 8549-8561	5
272	Direct fabrication of graphene oxide fiber by injection spinning for flexible and wearable electronics. 2020 , 55, 12065-12081	6
271	Additive Functionalization and Embroidery for Manufacturing Wearable and Washable Textile Supercapacitors. 2020 , 30, 1910541	32
270	Preparation and Characterization of Electrospun Conductive Janus Nanofibers with Polyaniline. 2020 , 2, 2819-2829	8
269	Textile-Based Electronics. 2020 , 721-748	2
268	Eco-Friendly Conductive Cotton-Based Textile Electrodes Using Silver- and Carbon-Coated Fabrics for Advanced Flexible Supercapacitors. 2020 , 34, 8977-8986	15
267	Cobalt-doping in hierarchical Ni ₃ S ₂ nanorod arrays enables high areal capacitance. 2020 , 8, 13114-13120	28
266	Porous Organic Polymers as Promising Electrode Materials for Energy Storage Devices. 2020 , 2000154	23
265	Wet-spun PVDF nanofiber separator for direct fabrication of coaxial fiber-shaped supercapacitors. 2020 , 400, 125835	25

264	Boosting storage properties of reduced graphene oxide fiber modified with MOFs-derived porous carbon through a wet-spinning fiber strategy. 2020 , 31, 395603	3
263	Graphene-based composite materials for flexible supercapacitors. 2020 , 345-372	2
262	Electrolyte materials for supercapacitors. 2020 , 205-314	3
261	Highly Stretchable and Conductive Hybrid Fibers for High-performance Fibrous Electrodes and All-solid-state Supercapacitors. 2020 , 38, 531-539	5
260	Sandwich-Structured Transition Metal Oxide/Graphene/Carbon Nanotube Composite Yarn Electrodes for Flexible Two-Ply Yarn Supercapacitors. 2020 , 59, 5752-5759	11
259	Dual-Core Supercapacitor Yarns: An Enhanced Performance Consistency and Linear Power Density. 2020 , 12, 15211-15219	9
258	Intrinsically Strain-Insensitive, Hyperelastic Temperature-Sensing Fiber with Compressed Micro-Wrinkles for Integrated Textronics. 2020 , 5, 2000073	17
257	Construction of three-dimensional ordered structure of crystalline bismuth for long life aqueous nickel-bismuth batteries. 2020 , 515, 145977	5
256	Fiber-shaped Supercapacitors: Advanced Strategies toward High-performances and Multi-functions. 2020 , 38, 403-422	8
255	Green Carbon Nanofiber Networks for Advanced Energy Storage. 2020 , 3, 3530-3540	19
254	Enhancement of dielectric and ferroelectric properties in flexible polymer for energy storage applications. 2020 , 46, 24649-24660	3
253	Asymmetric Carbon Nanohorn Enabled Soft Capacitors with High Power Density and Ultra-Low Cutoff Frequency. 2020 , 5, 2000372	3
252	Edible and Nutritive Electronics: Materials, Fabrications, Components, and Applications. 2020 , 5, 2000100	17
251	Polyaniline/graphene hybrid fibers as electrodes for flexible supercapacitors. 2020 , 268, 116484	23
250	Engineering MoS ₂ Nanosheets on Spindle-Like Fe ₂ O ₃ as High-Performance Core/Shell Pseudocapacitive Anodes for Fiber-Shaped Aqueous Lithium-Ion Capacitors. 2020 , 30, 2003967	30
249	High-performance yarn supercapacitor based on directly twisted carbon nanotube@bacterial cellulose membrane. 2020 , 27, 7649-7661	9
248	A review on strategies for the fabrication of graphene fibres with graphene oxide.. 2020 , 10, 5722-5733	9
247	One-step wet-spinning assembly of twisting-structured graphene/carbon nanotube fiber supercapacitor. 2020 , 51, 434-441	22

246	Tuning the interlayer spacing of graphene laminate films for efficient pore utilization towards compact capacitive energy storage. 2020 , 5, 160-168	205
245	Biomass-derived three-dimensional carbon framework for a flexible fibrous supercapacitor and its application as a wearable smart textile.. 2020 , 10, 6960-6972	20
244	Magnetothermal Microfluidic-Assisted Hierarchical Microfibers for Ultrahigh-Energy-Density Supercapacitors. 2020 , 59, 7934-7943	31
243	Effects of Electrolyte Mediation and MXene Size in Fiber-Shaped Supercapacitors. 2020 , 3, 2949-2958	24
242	Magnetothermal Microfluidic-Assisted Hierarchical Microfibers for Ultrahigh-Energy-Density Supercapacitors. 2020 , 132, 8008-8017	14
241	Quasi-solid-state fiber-shaped aqueous energy storage devices: recent advances and prospects. 2020 , 8, 6406-6433	34
240	Additive-free porous assemblies of Ti3C2T by freeze-drying for high performance supercapacitors. 2020 , 31, 1034-1038	6
239	Quasi-aligned SiC@C nanowire arrays as free-standing electrodes for high-performance micro-supercapacitors. 2020 , 27, 261-269	20
238	Recent advances in the interface design of solid-state electrolytes for solid-state energy storage devices. 2020 , 7, 1246-1278	30
237	MOF-modified polyester fabric coated with reduced graphene oxide/polypyrrole as electrode for flexible supercapacitors. 2020 , 336, 135743	28
236	Fabrication of aramid nanofiber-wrapped graphene fibers by coaxial spinning. 2020 , 165, 340-348	7
235	Facile synthesis of Mn-doped NiCoO nanoparticles with enhanced electrochemical performance for a battery-type supercapacitor electrode. 2020 , 49, 6718-6729	26
234	CoreShell Structured Cellulose Nanofibers/Graphene@Polypyrrole Microfibers for All-Solid-State Wearable Supercapacitors with Enhanced Electrochemical Performance. 2020 , 305, 1900854	11
233	Highly stretchable CNT/MnO2 nanosheets fiber supercapacitors with high energy density. 2020 , 55, 8251-8263	16
232	Drying graphene hydrogel fibers for capacitive energy storage. 2020 , 164, 100-110	25
231	Flexible, twistable and plied electrode of stainless steel Cables@Nickel@Cobalt oxide with high electrochemical performance for wearable electronic textiles. 2020 , 348, 136312	9
230	Recent Advances in 2D-MoS2 and its Composite Nanostructures for Supercapacitor Electrode Application. 2020 , 34, 6558-6597	63
229	A review on graphene strain sensors based on fiber assemblies. 2020 , 2, 1	15

228	Quasi-solid-state highly stretchable circular knitted MnO@CNT supercapacitor.. 2020 , 10, 14007-14012	9
227	Highly Wearable, Breathable, and Washable Sensing Textile for Human Motion and Pulse Monitoring. 2020 , 12, 19965-19973	67
226	Large Wavelength Response to Pressure Enabled in InGaN/GaN Microcrystal LEDs with 3D Architectures. 2020 , 7, 1122-1128	4
225	H2SO4-assisted tandem carbonization synthesis of PANI@carbon@textile flexible electrode for high-performance wearable energy storage. 2021 , 535, 147755	7
224	Redox active polymer metal chelates for use in flexible symmetrical supercapacitors: Cobalt-containing poly(acrylic acid) polymer electrolytes. 2021 , 55, 145-153	28
223	Unveiling one-dimensional mixed-metallic oxysulfide nanorods as an advanced cathode material for hybrid supercapacitors. 2021 , 482, 228944	8
222	Roles of twisting-compression operations on mechanical enhancement of carbon nanotube fibers. 2021 , 172, 41-49	4
221	Matching electrode lengths enables the practical use of asymmetric fiber supercapacitors with a high energy density. 2021 , 80, 105523	14
220	Graphene-based flexible all-solid-state supercapacitors. 2021 , 5, 557-583	9
219	Exposing (0 0 1) crystal facet on the single crystalline $\text{Ni}(\text{OH})_2$ quasi-nanocubes for aqueous Ni-Zn batteries. 2021 , 413, 127523	12
218	Recent progress in energy storage and conversion of flexible symmetric transducers. 2021 , 9, 753-781	5
217	The influence of annealing on a large specific surface area and enhancing electrochemical properties of reduced graphene oxide to improve the performance of the active electrode of supercapacitor devices. 2021 , 264, 114941	7
216	Tailoring carbon nanomaterials via a molecular scissor. 2021 , 36, 101033	23
215	Anion-intercalated supercapacitor electrode based on perovskite-type $\text{SrB}_{0.875}\text{Nb}_{0.125}\text{O}_3$ ($\text{B} \equiv \text{Mn, Co}$). 2021 , 421, 127790	5
214	Tough Double Metal-ion Cross-linked Elastomers with Temperature-adaptable Self-healing and Luminescence Properties. 2021 , 39, 554-565	11
213	Green anisotropic carbon-stabilized poly laminate copper oxide as a novel cathode for high-performance hybrid supercapacitors. 2021 , 198, 109309	9
212	Advanced carbon nanomaterials for state-of-the-art flexible supercapacitors. 2021 , 36, 56-76	82
211	Transition metal oxide-based electrode materials for flexible supercapacitors: A review. 2021 , 857, 158281	51

210	A Review on Graphene Oxide Two-dimensional Macromolecules: from Single Molecules to Macro-assembly. 2021 , 39, 267-308	16
209	A flexible carbon nanotube@V ₂ O ₅ film as a high-capacity and durable cathode for zinc ion batteries. 2021 , 59, 126-133	28
208	Scalable, All-Printed Photocapacitor Fibers and Modules based on Metal-Embedded Flexible Transparent Conductive Electrodes for Self-Charging Wearable Applications. 2021 , 11, 2003509	10
207	CHAPTER 7:Hybrid Graphitic Carbon Nitride (gCN)-based Devices for Energy Storage and Production. 2021 , 262-294	
206	Nanosensors and Nanobiosensors for Monitoring the Environmental Pollutants. 2021 , 229-246	5
205	Recent advances in wearable self-powered energy systems based on flexible energy storage devices integrated with flexible solar cells. 2021 , 9, 18887-18905	6
204	A scalable strategy toward compliant tandem yarn-shaped supercapacitors with high voltage output. 2021 , 9, 13916-13925	1
203	High performance fiber-shaped supercapacitors based on core-shell fiber electrodes with adjustable surface wrinkles and robust interfaces. 2021 , 9, 16852-16859	2
202	Graphene Based Materials for Supercapacitors and Fuel Cells. 2021 , 399-399	0
201	Smart fibers for energy conversion and storage. 2021 , 50, 7009-7061	29
200	One-step hydrothermal synthesis of porous TiCT MXene/rGO gels for supercapacitor applications. 2021 , 13, 16543-16553	9
199	Synthesizing High-quality Graphene from Spent Anode Graphite and Further Functionalization Applying in ORR Electrocatalyst. 2021 , 6, 90-95	1
198	Highly electrochemical active composites based on capacitive graphene/aniline oligomer hybrid for high-performance sustainable energy storage devices. 2021 , 368, 137587	4
197	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality. 2021 , 31, 2009602	42
196	Advances in green synthesis and applications of graphene. 2021 , 14, 3724	4
195	Recent Progress and Application Challenges of Wearable Supercapacitors. 2021 , 4, 1279-1290	9
194	Microfluidic-architected core-shell flower-like MnO ₂ @graphene fibers for high energy-storage wearable supercapacitors. 2021 , 372, 137827	5
193	PEDOT and PEDOT:PSS conducting polymeric hydrogels: A report on their emerging applications. 2021 , 273, 116709	12

192	Review of Recent Advancements Made In Flexible Energy Storage Devices. 2021 , 1104, 012040	0
191	A Covalent Black Phosphorus/Metal-Organic Framework Hetero-nanostructure for High-Performance Flexible Supercapacitors. 2021 , 133, 10454-10462	3
190	Template-Free Hydrothermal Growth of Nickel Sulfide Nanorods as High-Performance Electroactive Materials for Oxygen Evolution Reaction and Supercapacitors. 2021 , 35, 6868-6879	5
189	New Class of Trimetallic Oxide Hierarchical Mesoporous Array on Woven Fabric: Electrode for high-Performance and Stable battery type Ultracapacitor. 2021 , 35, 102249	3
188	Graphene-based fibers for the energy devices application: A comprehensive review. 2021 , 201, 109476	17
187	A Covalent Black Phosphorus/Metal-Organic Framework Hetero-nanostructure for High-Performance Flexible Supercapacitors. 2021 , 60, 10366-10374	32
186	Solid-State Precursor Impregnation for Enhanced Capacitance in Hierarchical Flexible Poly(3,4-Ethylenedioxythiophene) Supercapacitors. 2021 , 15, 7799-7810	13
185	Tailoring electrochemically active sites in carbon fiber by edge oxygen functionalized strategy for high performance yarn energy storage. 2021 , 491, 229579	2
184	Direct Ink Writing of Materials for Electronics-Related Applications: A Mini Review. 8,	22
183	Microfluidics for flexible electronics. 2021 , 44, 105-135	26
182	Effect of Hydrogen Bonding on a Value of an Open Circuit Potential of Poly-(3,4-ethylenedioxythiophene) as a Beneficial Mode for Energy Storage Devices. 2021 , 31, 2103001	5
181	Heat-Resistant and High-Performance Solid-State Supercapacitors Based on Poly(-phenylene terephthalamide) Fibers via Polymer-Assisted Metal Deposition. 2021 , 13, 18100-18109	2
180	Flexible fiber-shaped supercapacitors based on graphene/polyaniline hybrid fibers with high energy density and capacitance. 2021 , 32,	6
179	Scale production of conductive cotton yarns by sizing process and its conductive mechanism. 2021 , 3, 1	
178	Flexible all-solid-state supercapacitors based on PPy/rGO nanocomposite on cotton fabric. 2021 , 32,	6
177	Carbon Nanotube Fibers Decorated with MnO for Wire-Shaped Supercapacitor. 2021 , 26,	8
176	3D printing coaxial fiber electrodes towards boosting ultralong cycle life of fibrous supercapacitors. 2021 , 380, 138220	2
175	High-Strength-Reduced Graphene Oxide/Carboxymethyl Cellulose Composite Fibers for High-Performance Flexible Supercapacitors. 2021 , 60, 8753-8761	1

174	Optimization of Spray-Drying Process with Response Surface Methodology (RSM) for Preparing High Quality Graphene Oxide Slurry. 2021 , 9, 1116	1
173	MnO ₂ Nanowires and Amino-Modified Reduced Graphene Oxide Hybrid Films for Constructing the Flexible High-Performance Symmetrical Supercapacitors. 2021 , 16, 2150080	
172	High mechanical performance based on the alignment of cellulose nanocrystal/chitosan composite filaments through continuous coaxial wet spinning. 2021 , 28, 7995-8008	4
171	Three-Dimensional Printed Mechanically Compliant Supercapacitor with Exceptional Areal Capacitance from a Self-Healable Ink. 2021 , 31, 2102184	8
170	Polypyrrole/CNT/cotton Composite Yarn Supercapacitor for Wearable Electronics. 1	0
169	Recent advances and challenges of electrode materials for flexible supercapacitors. 2021 , 438, 213910	60
168	Microfluidic Spinning of Core-Shell MnO ₂ @graphene Fibers with Porous Network Structure for All-Solid-State Flexible Supercapacitors. 2021 , 168, 070514	2
167	Electromagnetic absorber converting radiation for multifunction. 2021 , 145, 100627	52
166	Hierarchical porous carbon composite constructed with 1-D CNT and 2-D GNS anchored on 3-D carbon skeleton from spent coffee grounds for supercapacitor. 2021 , 558, 149899	11
165	Fabrication of rGO/CoS _x -rGO/rGO hybrid film via coassembly and sulfidation of 2D metal organic framework nanoflakes and graphene oxide as free-standing supercapacitor electrode. 2021 , 872, 159702	8
164	Ultralong and Millimeter-Thick Graphene Oxide Supercapacitors with High Volumetric Capacitance. 2021 , 4, 8059-8069	4
163	Self-Healing All-in-One Energy Storage for Flexible Self-Powering Ammonia Smartsensors.	4
162	Graphene Fiber-Based Wearable Supercapacitors: Recent Advances in Design, Construction, and Application.. 2021 , 5, e2100502	9
161	rGO/MC fiber supercapacitors with core-sheath structure manufactured by coaxial extrusion printing. 1	1
160	Waterproof wearable sensing electronics of thin film with high stretchability, high temperature sensitivity and low cost. 2021 , 32, 22654-22667	
159	Mapping the Progress in Flexible Electrodes for Wearable Electronic Textiles: Materials, Durability, and Applications. 2100578	8
158	Facile fabrication of hierarchically porous graphene/poly(1,5-diaminoanthraquinone) nanocomposite fibers as flexible and robust free-standing electrodes for solid-state supercapacitors. 2021 , 126, 154-165	4
157	Compact and porous 3D MnO ₂ /holey graphene films for high areal and volumetric performance in supercapacitors with high-thick electrodes. 2021 , 29, 100268	3

156	An Organic Solvent-Assisted Intercalation and Collection (OAIC) for TiCT MXene with Controllable Sizes and Improved Yield. 2021 , 13, 188	6
155	Integrated fiber electrodes based on marine polysaccharide for ultrahigh-energy-density flexible supercapacitors. 2021 , 506, 230130	11
154	Transfunctionalization of graphite fluoride engineered polyaniline grafting to graphene for High-Performance flexible supercapacitors. 2021 , 597, 289-296	6
153	Performance enhancement of graphene/GO/rGO based supercapacitors: A comparative review. 2021 , 28, 102685	4
152	Recent development and progress of structural energy devices. 2021 ,	4
151	Three-dimensional printing of graphene-based materials for energy storage and conversion. 2021 , 1, 304-323	16
150	Synthesis and plasma treatment of nitrogen-doped graphene fibers for high-performance supercapacitors. 2021 , 48, 2058-2058	3
149	Two-dimensional materials and their derivatives for high performance phase change materials: emerging trends and challenges. 2021 , 42, 845-870	9
148	Single-step synthesis of core-shell diamond-graphite hybrid nano-needles as efficient supercapacitor electrode. 2021 , 397, 139267	2
147	High performance stretchable fibrous supercapacitors and flexible strain sensors based on CNTs/MXene-TPU hybrid fibers. 2021 , 395, 139141	10
146	Techniques enabling inorganic materials into wearable fiber/yarn and flexible lithium-ion batteries. 2021 , 43, 62-84	6
145	Weldable and flexible graphene ribbon@Ni fibers with ultrahigh length capacitance for all-solid-state supercapacitors. 2021 , 426, 131361	2
144	Hierarchical urchin-like amorphous carbon with Co-adding anchored on nickel foam: A free-standing electrode for advanced asymmetrical supercapacitors and adsorbed Pb (II). 2021 , 603, 58-69	6
143	In situ growth of submicron polypyrrole on NiTi alloy wire as electrodes for recoverable and flexible quasi-solid-state supercapacitors. 2021 , 888, 161646	2
142	Urchin-like porous NiCo ₂ O ₄ nanostructure: Morphology control using porous reduced graphene oxide nanosheets for high performance flexible transparent energy storage devices. 2022 , 891, 162052	3
141	Ternary nanocomposites for supercapattery. 2021 , 141-173	0
140	Conductive electrodes of metallic-organic compound CHCuS nanowires for all-solid-state flexible supercapacitors. 2021 , 13, 6921-6926	5
139	Oxygen vacancy-rich doped CDs@graphite felt-600 heterostructures for high-performance supercapacitor electrodes. 2021 , 13, 4995-5005	7

138	High-performance and thermostable wire supercapacitors using mesoporous activated graphene deposited on continuous multilayer graphene. 2021 , 9, 4800-4809	6
137	Three-dimensional nitrogen-doped graphene hydrogel-based flexible all-solid-state supercapacitors. 2021 , 36, 376-386	4
136	Recent Advances in Design of Flexible Electrodes for Miniaturized Supercapacitors. 2020 , 4, 1900824	34
135	Graphene/Reduced Graphene Oxide as Electrode Materials for Supercapacitors. 2020 , 271-296	13
134	Nanoengineered textiles: from advanced functional nanomaterials to groundbreaking high-performance clothing. 2020 , 611-714	4
133	Laminate composite-based highly durable and flexible supercapacitors for wearable energy storage. 2020 , 29, 101460	7
132	Carbon-Based Fibers for Advanced Electrochemical Energy Storage Devices. 2020 , 120, 2811-2878	156
131	Review of carbon-based electromagnetic shielding materials: film, composite, foam, textile. 2021 , 91, 1167-1183	13
130	Triaxial Carbon Nanotube/Conducting Polymer Wet-Spun Fibers Supercapacitors for Wearable Electronics. 2020 , 11,	5
129	Tough and electrically conductive Ti ₃ C ₂ T MXene-based core-shell fibers for high-performance electromagnetic interference shielding and heating application. 2021 , 133074	10
128	High-Performance Coaxial Asymmetry Fibrous Supercapacitors with a Poly(vinyl alcohol)-Montmorillonite Separator. 2021 , 21, 9164-9171	2
127	Recent progress on porous carbon derived from Zn and Al based metal-organic frameworks as advanced materials for supercapacitor applications. 2021 , 44, 103263	8
126	Metamaterial Based Absorber for Wearable Applications. 2017 , 28, 19-24	2
125	Preparation and Electrochemical Performance of Water-Based Solid-State Zinc Ion Batteries. 2019 , 09, 79-85	
124	Permeable Conductors for Wearable and On-Skin Electronics. 2100135	12
123	Highly Reliable Yarn-Type Supercapacitor Using Conductive Silk Yarns with Multilayered Active Materials. 1-12	3
122	Fiber-shaped micro-supercapacitors. 2022 , 257-271	0
121	Origination of forced particle-void networks for superior electron and mass transfer in binder-free supercapacitors. 2022 , 208, 114317	

120	Continuous Fabrication of Fiber Devices. 2020 , 363-389	
119	Self-responsive Nanomaterials for Flexible Supercapacitors. 2020 , 93-138	
118	Flexible and Wearable Supercapacitors: Constitutive Aspects and Future Perspectives. 2020 ,	
117	Fabrication of ZnO [Carbonized cotton yarn derived hierarchical porous active carbon flexible electrodes. 2021 ,	1
116	Microwave assisted synthesis of poly(ortho-phenylenediamine-co-aniline) and functionalised carbon nanotube nanocomposites for fabric-based supercapacitors. 2021 , 403, 139678	0
115	Recent Progress in Flexible Graphene-Based Composite Fiber Electrodes for Supercapacitors. 2021 , 11, 1484	3
114	Fiber Electrodes Mesostructured on Carbon Fibers for Energy Storage.	3
113	Knitted strain sensor with carbon fiber and aluminum-coated yarn, for wearable electronics. 2021 , 9, 16440-16449	1
112	Nitrogen-doped graphene fiber electrodes with optimal micro-/meso-/macro-porosity ratios for high-performance flexible supercapacitors. 2022 , 520, 230866	1
111	Enhancing ions/electrons dual transport in rGO/PEDOT:PSS fiber for high-performance supercapacitor. 2022 , 189, 284-292	5
110	Fabrication of hierarchical NiCo ₂ S ₄ nanotubes@NiMn-LDH nanosheets core-shell hybrid arrays on Ni foam for high-performance asymmetric supercapacitors. 2022 , 900, 163495	3
109	All-in-one flexible supercapacitor with ultrastable performance under extreme load.. 2022 , 8, eabl8631	6
108	A Review of Fabrication Technologies for Carbon Electrode-Based Micro-Supercapacitors. 2022 , 12, 862	3
107	Tunable Spun Fiber Constructs in Biomedicine: Influence of Processing Parameters in the Fibers' Architecture.. 2022 , 14,	4
106	Co-MnO Nanorods for High-Performance Sodium/Potassium-Ion Batteries and Highly Conductive Gel-Type Supercapacitors.. 2022 , e2105510	2
105	Stretchable, Environment-Stable, and Knittable Ionic Conducting Fibers Based on Metallogels for Wearable Wide-Range and Durable Strain Sensors.. 2022 ,	2
104	Fabrication of crystalline submicro-to-nano carbon wire for achieving high current density and ultrastable current.. 2022 , 8, 15	
103	Microfluidic-Assembled Hierarchical Macro-Microporous Graphene Fabrics Towards High-Performance Robust Supercapacitors.	

102	Double-core-shell polysaccharide polymer networks for highly flexible, safe, and durable supercapacitors.	1
101	Porous organic polymers for high-performance supercapacitors.. 2022,	9
100	A Mini-Review on Preparation of Functional Composite Fibers and Their Based Devices. 2022, 12, 473	0
99	Hydrothermal-Assisted In Situ Growth of Vertically Aligned MoS ₂ Nanosheets on Reduced Graphene Oxide Fiber Fabrics toward High-Performance Flexible Supercapacitors. 2022, 61, 3840-3849	0
98	Carbon-Based Fibers: Fabrication, Characterization and Application. 1	4
97	Separator threads in yarn-shaped supercapacitors to avoid short-circuiting upon length. 2022, 6,	1
96	Direct writing of graphene-based fibers: Multilevel assembly and functional properties. 2022, 192, 109-122	0
95	Ultra-high energy stored into multi-layered functional porous carbon tubes enabled by high-rate intercalated pseudocapacitance. 2022, 192, 153-161	0
94	Microfluidic-assembled hierarchical macro-microporous graphene fabrics towards high-performance robust supercapacitors. 2022, 440, 135878	1
93	A super-stretchable and thermally stable hydrogel electrolyte for high performance supercapacitor with wide operation temperature. 2022, 909, 164646	0
92	Piezoresistive fibers with record high sensitivity via the synergic optimization of porous microstructure and elastic modulus. 2022, 441, 136046	1
91	A hollow tubular NiCo layered double hydroxide@Ag nanowire structure for high-power-density flexible aqueous Ni//Zn battery. 2021,	2
90	Supercapacitance/Resistance Behaviors of Helminth Eggs as Reliable Recognition and Direct Differentiation Probe.. 2021, 9, 782380	0
89	SnSe/SnS: Multifunctions Beyond Thermoelectricity. 1, 1-20	4
88	Interfacial Polymetallic Oxides and Hierarchical Porous Core-Shell Fibres for High Energy-Density Electrochemical Supercapacitors.	
87	Properties and applications of quantum dots derived from two-dimensional materials. 2022, 7,	
86	Scalable production of ultrafine polyaniline fibres for tactile organic electrochemical transistors.. <i>Nature Communications,</i> 2022, 13, 2101	17.4 7
85	Interfacial Polymetallic Oxides and Hierarchical Porous Core-Shell Fibres for High Energy-Density Electrochemical Supercapacitors.. 2022,	2

84	Surface modified Ni wire supported flexible asymmetric supercapacitor of Mn ₃ O ₄ // PEDOT-PSS-MWCNT and its solar charging for self-powered Cu-doped ZnO nanorods-based UV photodetector. 2022 , 911, 164939	0
83	Super-Tough and Environmentally Stable Aramid. Nanofiber@MXene Coaxial Fibers with Outstanding Electromagnetic Interference Shielding Efficiency.. 2022 , 14, 111	4
82	Review on Microfluidic Construction of Advanced Nanomaterials for High-Performance Energy Storage Applications. 2022 , 36, 4708-4727	0
81	Biodegradable, Super-Strong, and Conductive Cellulose Macrofibers for Fabric-Based Triboelectric Nanogenerator.. 2022 , 14, 115	6
80	Capacitance of Flexible Polymer/Graphene Microstructures with High Mechanical Strength.	
79	Facile synthesis of ultra-tensile hydrogels for flexible all-solid-state supercapacitor energy storage devices. 1	
78	Nitrogen-doped carbon boosting Fe ₂ O ₃ anode performance for supercapacitors. 1	1
77	A review of textile dye-sensitized solar cells for wearable electronics. 1	4
76	N-doped graphene modulated N-rich carbon nitride realizing a promising all-solid-state flexible supercapacitor. 2022 , 52, 104731	1
75	Oxygen/fluorine-functionalized flexible carbon electrodes for high-performance and anti-self-discharge Zn-ion hybrid capacitors. 2022 , 538, 231586	0
74	MXene-based multifunctional smart fibers for wearable and portable electronics.	1
73	Four stages of thermal effect coupled with ion-charge transports during the charging process of porous electrodes.	0
72	Nanostructured block copolymer muscles.	6
71	Recent Trends in Carbon Nanotube Electrodes for Flexible Supercapacitors: A Review of Smart Energy Storage Device Assembly and Performance. 2022 , 10, 223	0
70	Scalable fabrication of quantum-sized CoS _{1.97} nanoparticles anchoring on biomass carbon aerogel for energy storage application. 2022 , 165858	2
69	Highly Porous Holey Carbon for High Areal Energy Density Solid-State Supercapacitor Application. 2022 , 13, 916	0
68	Construction of Three Dimensional Marigold Flower Shaped Ni ₃ V ₂ O ₈ for Efficient Solid-State Supercapacitor Applications.	0
67	The growth of organic electrode materials for energy storage applications. 2022 , 115-144	

- 66 Reliable and flexible supercapacitors toward wide-temperature operation based on self-supporting SiC/CNT composite films.
- 65 Practical Graphene Technologies for Electrochemical Energy Storage. 2204272 2
- 64 Nitrogen optimized highly stable carbon for increasing the efficiency of supercapacitors. 0
- 63 Manipulating Hierarchical Orientation of Wet-Spun Hybrid Fibers via Rheological Engineering for Zn-Ion Fiber Batteries. 2203905 4
- 62 Graphene-Based Materials for Supercapacitors. **2022**, 215-243
- 61 Two-Dimensional Hybrid Nanosheet-Based Supercapacitors: From Building Block Architecture, Fiber Assembly, and Fabric Construction to Wearable Applications. 1
- 60 Flexible nickel cobalt metal-organic frameworks/reduced graphene oxide hybrid film for high-performance supercapacitors. **2022**, 54, 105270 1
- 59 Self-Healable Poly(vinyl alcohol)-MetalOrganic Hybrid Gel Electrolyte for Flexible Capacitor Sensors. 0
- 58 Applications and challenges of porous carbon with different dimensions in supercapacitors—mini review. 10,
- 57 3D self-supported hierarchical lettuce-like Ni₃S₂ super architecture with an internal nanowire network for high-performance supercapacitors. **2022**, 925, 166626 0
- 56 Wearable Supercapacitors. **2022**, 285-325 0
- 55 Assembly mechanism and antistatic properties of wool fabrics with superfine graphene oxide. **2022**, 17, 155892502211254 0
- 54 Carbon Nanotube Fiber-Based Wearable Supercapacitors—A Review on Recent Advances. **2022**, 15, 6506 0
- 53 Recent advances in flexible supercapacitors. 0
- 52 Supercapacitors: Fabrication Challenges and Trends. 0
- 51 High-Strength and Extensible Electrospun Yarn for Wearable Electronics. 0
- 50 PEDOT:PSS and Its Composites for Flexible Supercapacitors. 2
- 49 2D-TMDs based electrode material for supercapacitor applications. 2

48	Smart Electronic Textile-Based Wearable Supercapacitors. 2203856	3
47	A hybrid GaN/Ga ₂ O ₃ structure anchored on carbon cloth as a high-performance electrode of supercapacitors.	0
46	In situ preparation of FeOx nanoparticles embedded N-doped laser-induced graphene for flexible in-plane micro-supercapacitors.	0
45	Elastic Fibers/Fabrics for Wearables and Bioelectronics. 2203808	2
44	Urea-Assisted Nickel-Manganese Phosphate Composite Microarchitectures with Ultralong Lifecycle for Flexible Asymmetric Solid-State Supercapacitors: A Binder-Free Approach. 2022 , 36, 13356-13369	0
43	Recent progress on freestanding carbon electrodes for flexible supercapacitors. 2022 , 37, 875-897	2
42	Hierarchically Assembled Counter Electrode for Fiber Solar Cell Showing Record Power Conversion Efficiency. 2207763	1
41	Three-Dimensionally Conducting Network in Graphene-Based Composite Fibers toward Enhanced Electrochemical and Toughness Performance in Fibrous Supercapacitors.	0
40	Electrochemical performance of rGO/AFCNT composite and fabrication of supercapacitor electrode. 2022 , 33, 104657	0
39	Interface-engineered molybdenum disulfide/porous graphene microfiber for high electrochemical energy storage. 2023 , 54, 30-39	0
38	Promising energy-storage applications by flotation of graphite ores: A review. 2023 , 454, 139994	1
37	Flexible supercapacitor with superior length and volumetric capacitance enabled by a single strand of ultra-thick carbon nanotube fiber. 2023 , 453, 139974	0
36	Wet spinning of hollow graphene fibers with high capacitance. 2023 , 453, 139920	0
35	Reliable coaxial wet spinning strategy to fabricate flexible MnO ₂ -based fiber supercapacitors. 2022 , 168110	1
34	Synergistic piezoelectricity enhanced BaTiO ₃ /polyacrylonitrile elastomer-based highly sensitive pressure sensor for intelligent sensing and posture recognition applications.	2
33	Synergistic effect of two-dimensional additives on carbon nanotube film electrodes towards high-performance all-solid-state flexible supercapacitors. 2023 , 57, 106257	0
32	Highly stable polyaniline array@ partially reduced graphene oxide hybrid fiber for high-performance flexible supercapacitors. 2023 , 203, 455-461	1
31	Solvent-free MOF-CVD prepared ZIF-67 film with hollow and opened morphology for supercapacitor application. 2023 , 936, 168262	0

30	Scalable preparation of MWCNTs/PAN conductive composite fibers with Tai Chi structure for thermotherapy textiles. 2023 , 232, 109866	0
29	Stretchable One-Dimensional Conductors for Wearable Applications.	1
28	A Bibliometric Analysis of Wearable Device Research Trends 2001-2022: A Study on the Reversal of Number of Publications and Research Trends in China and the USA. 2022 , 19, 16427	1
27	3D Printing of Mechanically Elastic, Self-Adhesive, and Biocompatible Organohydrogels for Wearable and Breathable Strain Sensors. 2201078	0
26	Beyond Polypyrrole: Pencil-Drawn Paper-Based Supercapacitors with High Energy Density. 2022 , 169, 120517	0
25	Progress on carbon for electrochemical capacitors. 2023 , 2, 20220021	1
24	Mechanical properties of twisted CNT fibers: A molecular dynamic study. 2023 , 34, 105378	0
23	Configuration-dependent stretchable all-solid-state supercapacitors and hybrid supercapacitors.	0
22	A ship-in-a-bottle architecture transmission metal hydroxides@conducting MOF on carbon nanotube yarn for ultra-stable quasi-solid-state supercapacitors.	0
21	Polymer Complex Fiber: Property, Functionality, and Applications.	0
20	Recent Advances and Challenges Toward Application of Fibers and Textiles in Integrated Photovoltaic Energy Storage Devices. 2023 , 15,	1
19	Flexible supercapacitors. 2023 , 535-558	0
18	A zinc-conducting chalcogenide electrolyte. 2023 , 9,	1
17	Recent progress in polyaniline-based composites as electrode materials for pliable supercapacitors. 2023 , 25, 7611-7628	0
16	Self-healing Supercapacitors. 2023 , 357-378	0
15	Design and preparation of sulfonated polymer membranes for Zn/MnO ₂ flow batteries with assistance of machine learning. 2023 , 672, 121453	0
14	Diversified constructions and electrochemical cycling stability of metal oxide fiber supercapacitors. 2023 , 24, 909-917	0
13	Ternary nanocomposites of PEDOT: PSS, RGO, and urchin-like hollow microspheres of NiCo ₂ O ₄ for flexible and weavable supercapacitors. 2023 , 292, 116404	0

- 12 Achieving superior high-life-stability and stable structure for flexible fiber electrodes inspired by Bamboo rice dumpling. **2023**, 452, 142352 ○
- 11 Synergistic effect from Ni²⁺ ions with SnS for all solid-state type symmetric supercapacitor. **2023**, 63, 107040 ○
- 10 CNT yarn based solid state linear supercapacitor with multi-featured capabilities for wearable and implantable devices. **2023**, 57, 136-170 ○
- 9 High-Energy-Density Graphene Hybrid Flexible Fiber Supercapacitors. **2023**, 6, ○
- 8 Recent Advances in Wearable Aqueous Metal-Air Batteries: From Configuration Design to Materials Fabrication. 2201762 ○
- 7 A review on graphene oxide: 2D colloidal molecule, fluid physics, and macroscopic materials. **2023**, 10, 011311 ○
- 6 Piezoresistive Free-standing Microfiber Strain Sensor for High-resolution Battery Thickness Monitoring. ○
- 5 Lignin: A sustainable precursor for nanostructured carbon materials for supercapacitors. **2023**, 207, 172-197 ○
- 4 Nanostructured Conducting Polymers and Their Applications in Energy Storage Devices. **2023**, 15, 1450 1
- 3 Shape Memory Supercapacitors. **2023**, 331-355 ○
- 2 Copper-Coordinated Cellulose Fibers for Electric Devices with Motion Sensitivity and Flame Retardance. **2023**, 15, 18272-18280 ○
- 1 Bridging the Gap between Charge Storage Site and Transportation Pathway in Molecular-Cage-Based Flexible Electrodes. ○