

Integrated energy storage and electrochromic function storage smart window

Energy and Environmental Science

5, 8384

DOI: [10.1039/c2ee21643d](https://doi.org/10.1039/c2ee21643d)

Citation Report

#	ARTICLE	IF	CITATIONS
3	Electropolymerized Polyaniline Stabilized Tungsten Oxide Nanocomposite Films: Electrochromic Behavior and Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25052-25064.	1.5	218
4	SnO ₂ -microtube-assembled cloth for fully flexible self-powered photodetector nanosystems. <i>Nanoscale</i> , 2013, 5, 7831.	2.8	91
5	High performance visible and near-infrared region electrochromic smart windows based on the different structures of polyoxometalates. <i>Electrochimica Acta</i> , 2013, 113, 240-247.	2.6	42
6	Electrochromic switching and nanoscale electrical properties of a poly(5-cyano) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 627 Td 2013, 54, 5801-5811.	1.8	23
7	Hexavalent chromium synthesized polyaniline nanostructures: Magnetoresistance and electrochemical energy storage behaviors. <i>Polymer</i> , 2013, 54, 5974-5985.	1.8	36
8	A new electrodeposition approach for preparing polyoxometalates-based electrochromic smart windows. <i>Journal of Materials Chemistry A</i> , 2013, 1, 216-220.	5.2	59
9	Electrochromic polyaniline/graphite oxide nanocomposites with endured electrochemical energy storage. <i>Polymer</i> , 2013, 54, 1820-1831.	1.8	278
10	High-Performance Two-Ply Yarn Supercapacitors Based on Carbon Nanotubes and Polyaniline Nanowire Arrays. <i>Advanced Materials</i> , 2013, 25, 1494-1498.	11.1	555
11	Polymer brush stabilized amorphous MnO ₂ on graphene oxide sheets as novel electrode materials for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8587.	5.2	24
12	Construction of High-Capacitance 3D CoO@Polypyrrole Nanowire Array Electrode for Aqueous Asymmetric Supercapacitor. <i>Nano Letters</i> , 2013, 13, 2078-2085.	4.5	1,250
14	Enhanced supercapacitor performance using hierarchical TiO ₂ nanorod/Co(OH) ₂ nanowall array electrodes. <i>Electrochimica Acta</i> , 2014, 136, 105-111.	2.6	40
15	Conducting Polymer Nanowire Arrays for High Performance Supercapacitors. <i>Small</i> , 2014, 10, 14-31.	5.2	685
16	Electrochromics for smart windows: Oxide-based thin films and devices. <i>Thin Solid Films</i> , 2014, 564, 1-38.	0.8	816
17	A Mechanically and Electrically Self-Healing Supercapacitor. <i>Advanced Materials</i> , 2014, 26, 3638-3643.	11.1	351
18	Low-Cost High-Performance Solid-State Asymmetric Supercapacitors Based on MnO ₂ Nanowires and Fe ₂ O ₃ Nanotubes. <i>Nano Letters</i> , 2014, 14, 731-736.	4.5	1,035
19	Polyelectrolytes exceeding ITO flexibility in electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9874-9881.	2.7	23
20	Facile Synthesis of Graphite/PEDOT/MnO ₂ Composites on Commercial Supercapacitor Separator Membranes as Flexible and High-Performance Supercapacitor Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10506-10515.	4.0	205
21	Stretchable and Semitransparent Conductive Hybrid Hydrogels for Flexible Supercapacitors. <i>ACS Nano</i> , 2014, 8, 7138-7146.	7.3	186

#	ARTICLE	IF	CITATIONS
22	Flexible solid-state supercapacitors based on a conducting polymer hydrogel with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19726-19732.	5.2	132
23	Temperature-responsive hydrogel with ultra-large solar modulation and high luminous transmission for "smart window" applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13550-13555.	5.2	224
24	Transparent and flexible organic semiconductor nanofilms with enhanced thermoelectric efficiency. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7288-7294.	5.2	210
25	Novel solution-processable, dedoped semiconductors for application in thermoelectric devices. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13380-13387.	5.2	101
26	Integrated smart electrochromic windows for energy saving and storage applications. <i>Chemical Communications</i> , 2014, 50, 608-610.	2.2	175
27	Highly Conductive, Capacitive, Flexible and Soft Electrodes Based on a 3D Graphene "Nanotube" Palladium Hybrid and Conducting Polymer. <i>Small</i> , 2014, 10, 5023-5029.	5.2	12
28	Large-scale Fabrication of Pseudocapacitive Glass Windows that Combine Electrochromism and Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11935-11939.	7.2	207
29	A perspective on the production of dye-sensitized solar modules. <i>Energy and Environmental Science</i> , 2014, 7, 3952-3981.	15.6	381
30	Core-Spun Carbon Nanotube Yarn Supercapacitors for Wearable Electronic Textiles. <i>ACS Nano</i> , 2014, 8, 4571-4579.	7.3	228
31	Layer-by-Layer assembled hybrid multilayer thin film electrodes based on transparent cellulose nanofibers paper for flexible supercapacitors applications. <i>Journal of Power Sources</i> , 2014, 249, 148-155.	4.0	111
35	Self-Stacked Reduced Graphene Oxide Nanosheets Coated with Cobalt-Nickel Hydroxide by One-Step Electrochemical Deposition toward Flexible Electrochromic Supercapacitors. <i>Small</i> , 2015, 11, 4666-4672.	5.2	105
36	Chemically Crosslinked Hydrogel Film Leads to Integrated Flexible Supercapacitors with Superior Performance. <i>Advanced Materials</i> , 2015, 27, 7451-7457.	11.1	386
39	Electrochemical properties of carbon from oil palm kernel shell for high performance supercapacitors. <i>Electrochimica Acta</i> , 2015, 174, 78-86.	2.6	145
40	VO ₂ /hydrogel hybrid nanothermochromic material with ultra-high solar modulation and luminous transmission. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1121-1126.	5.2	179
41	Flexible fiber energy storage and integrated devices: recent progress and perspectives. <i>Materials Today</i> , 2015, 18, 265-272.	8.3	146
42	Electrochromo-supercapacitor based on direct growth of NiO nanoparticles. <i>Nano Energy</i> , 2015, 12, 258-267.	8.2	360
43	Facile route for multi-walled carbon nanotube coating with polyaniline: tubular morphology nanocomposites for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7438-7444.	1.1	25
44	Smart photovoltaics based on dye-sensitized solar cells using photochromic spiropyran derivatives as photosensitizers. <i>AIP Advances</i> , 2015, 5, .	0.6	19

#	ARTICLE	IF	CITATIONS
45	Graphene-based materials for flexible supercapacitors. <i>Chemical Society Reviews</i> , 2015, 44, 3639-3665.	18.7	1,015
46	Pure inorganic multi-color electrochromic thin films: vanadium-substituted Dawson type polyoxometalate based electrochromic thin films with tunable colors from transparent to blue and purple. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5175-5182.	2.7	20
47	All-Organic Electrochromic Supercapacitor Electrodes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A2805-A2810.	1.3	39
48	Electropolymerized polyaniline/manganese iron oxide hybrids with an enhanced color switching response and electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20778-20790.	5.2	55
49	Flexible electronics based on inorganic nanowires. <i>Chemical Society Reviews</i> , 2015, 44, 161-192.	18.7	429
50	A Solution-Processable (Tetraaniline- <i>b</i> -Polyethylene Glycol) ₃ Star-Shaped Rod-Coil Block Copolymer with Enhanced Electrochromic Properties. <i>Macromolecular Rapid Communications</i> , 2016, 37, 343-350.	2.0	28
51	A New Design Paradigm for Smart Windows: Photocurable Polymers for Quasi-Solid Photoelectrochromic Devices with Excellent Long-Term Stability under Real Outdoor Operating Conditions. <i>Advanced Functional Materials</i> , 2016, 26, 1127-1137.	7.8	109
52	Integration: An Effective Strategy to Develop Multifunctional Energy Storage Devices. <i>Advanced Energy Materials</i> , 2016, 6, 1501867.	10.2	138
53	Highly Stable Transparent Conductive Silver Grid/PEDOT:PSS Electrodes for Integrated Bifunctional Flexible Electrochromic Supercapacitors. <i>Advanced Energy Materials</i> , 2016, 6, 1501882.	10.2	391
54	Conducting polymer hydrogel materials for high-performance flexible solid-state supercapacitors. <i>Science China Materials</i> , 2016, 59, 412-420.	3.5	62
55	Smart Electronic Textiles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6140-6169.	7.2	460
56	Engineering micro-supercapacitors of graphene nanowalls/Ni heterostructure based on microfabrication technology. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	17
57	Development of Candle Soot Based Carbon Nanoparticles (CNPs)/Polyaniline Electrode and Its Comparative Study with CNPs/MnO ₂ in Supercapacitors. <i>Electrochimica Acta</i> , 2016, 210, 190-198.	2.6	25
58	Flexible electrochromic supercapacitor hybrid electrodes based on tungsten oxide films and silver nanowires. <i>Chemical Communications</i> , 2016, 52, 6296-6299.	2.2	383
59	Photo-Rechargeable Electric Energy Storage Systems. <i>Advanced Energy Materials</i> , 2016, 6, 1500369.	10.2	157
60	Perovskite Photovoltachromic Supercapacitor with All-Transparent Electrodes. <i>ACS Nano</i> , 2016, 10, 5900-5908.	7.3	159
61	Equipment-Free Deposition of Graphene-Based Molybdenum Oxide Nanohybrid Langmuir-Blodgett Films for Flexible Electrochromic Panel Application. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21539-21544.	4.0	22
62	Electrolytes for Electrochemical Supercapacitors. <i>Electrochemical Energy Storage and Conversion</i> , 2016, , 31-254.	0.0	5

#	ARTICLE	IF	CITATIONS
63	Conductive polymers for next-generation energy storage systems: recent progress and new functions. <i>Materials Horizons</i> , 2016, 3, 517-535.	6.4	272
64	Perovskite solar cell powered electrochromic batteries for smart windows. <i>Materials Horizons</i> , 2016, 3, 588-595.	6.4	148
65	Multifunctional Energy Storage and Conversion Devices. <i>Advanced Materials</i> , 2016, 28, 8344-8364.	11.1	420
66	Roll-to-Roll sputtered ITO/Cu/ITO multilayer electrode for flexible, transparent thin film heaters and electrochromic applications. <i>Scientific Reports</i> , 2016, 6, 33868.	1.6	104
67	Nano nickel oxide coated graphene/polyaniline composite film with high electrochemical performance for flexible supercapacitor. <i>Electrochimica Acta</i> , 2016, 211, 1066-1075.	2.6	84
68	Smarte elektronische Textilien. <i>Angewandte Chemie</i> , 2016, 128, 6248-6277.	1.6	11
69	Electrodeposited Conducting Polyaniline Nanowire Arrays Aligned on Carbon Nanotubes Network for High Performance Supercapacitors and Sensors. <i>Electrochimica Acta</i> , 2016, 199, 234-241.	2.6	98
70	Conducting tetraaniline derivatives with fast switching time, enhanced contrast and coloration efficiency. <i>Electrochimica Acta</i> , 2016, 192, 422-430.	2.6	24
71	High performance two-ply carbon nanocomposite yarn supercapacitors enhanced with a platinum filament and in situ polymerized polyaniline nanowires. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3828-3834.	5.2	42
72	Electrochromic energy storage devices. <i>Materials Today</i> , 2016, 19, 394-402.	8.3	415
73	Highly stable and flexible ITO-free electrochromic films with bi-functional stacked MoO ₃ /Ag/MoO ₃ structures. <i>Electrochimica Acta</i> , 2016, 189, 184-189.	2.6	29
74	Ultra-large optical modulation of electrochromic porous WO ₃ film and the local monitoring of redox activity. <i>Chemical Science</i> , 2016, 7, 1373-1382.	3.7	198
75	Polyaniline nanofibers: broadening applications for conducting polymers. <i>Chemical Society Reviews</i> , 2017, 46, 1510-1525.	18.7	484
76	Bi-functional flexible electrodes based on tungsten trioxide/zinc oxide nanocomposites for electrochromic and energy storage applications. <i>Electrochimica Acta</i> , 2017, 227, 61-68.	2.6	86
77	The coaxial nanostructure of ruthenium oxide thin films coated onto the vertically grown graphitic nanofibers for electrochemical supercapacitor. <i>Surface and Coatings Technology</i> , 2017, 320, 263-269.	2.2	19
78	A new type of gasochromic material: conducting polymers with catalytic nanoparticles. <i>Chemical Communications</i> , 2017, 53, 3242-3245.	2.2	33
79	Silver Nanowire/Conducting Polymer Nanocomposite Electrochromic Supercapacitor Electrodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, A721-A727.	1.3	39
80	Designing an All-Solid-State Tungsten Oxide Based Electrochromic Switch with a Superior Cycling Efficiency. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700124.	1.9	21

#	ARTICLE	IF	CITATIONS
81	Healable Transparent Electronic Devices. <i>Advanced Functional Materials</i> , 2017, 27, 1606339.	7.8	118
82	Flexible Transparent Supercapacitors Based on Hierarchical Nanocomposite Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17865-17871.	4.0	80
83	Excellent electrochromic properties of tungsten oxide films with a mesoporous structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10049-10055.	1.1	10
84	Foldable All-Solid-State Supercapacitors Integrated with Photodetectors. <i>Advanced Functional Materials</i> , 2017, 27, 1604639.	7.8	83
85	MnO _x -decorated carbonized porous silicon nanowire electrodes for high performance supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 1505-1516.	15.6	109
86	Photoresponsive Smart Coloration Electrochromic Supercapacitor. <i>Advanced Materials</i> , 2017, 29, 1606728.	11.1	123
87	Solution-Processed Porous Tungsten Molybdenum Oxide Electrodes for Energy Storage Smart Windows. <i>Advanced Materials Technologies</i> , 2017, 2, 1700047.	3.0	48
88	Synthesis, characterization and theoretical studies on novel organic-inorganic hybrid ion-gel polymer thin films from a Fe ₂ O ₃ -doped polyvinylpyrrolidone-N-butylpyridinium tetrafluoroborate composite via intramolecular thermal polymerization. <i>RSC Advances</i> , 2017, 7, 16623-16636.	1.7	8
89	Inkjet Printed Large Area Multifunctional Smart Windows. <i>Advanced Energy Materials</i> , 2017, 7, 1602598.	10.2	239
90	Recent advances in multifunctional electrochromic energy storage devices and photoelectrochromic devices. <i>Science China Chemistry</i> , 2017, 60, 13-37.	4.2	92
91	Graphene-carbon nanotube hybrid films for high-performance flexible photodetectors. <i>Nano Research</i> , 2017, 10, 1880-1887.	5.8	64
92	Self-Doped Oligoaniline Electrochromic Devices: Fabrication and Effect of the Oligoaniline Molecular Architecture. <i>ChemElectroChem</i> , 2017, 4, 521-532.	1.7	14
93	Recent Advances in Electrochromic Smart Fenestration. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700074.	2.7	110
94	Facile Solution Synthesis of Tungsten Trioxide Doped with Nanocrystalline Molybdenum Trioxide for Electrochromic Devices. <i>Scientific Reports</i> , 2017, 7, 13258.	1.6	42
95	A pinecone-inspired hierarchical vertically aligned nanosheet array electrode for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23349-23360.	5.2	41
96	A roll-to-roll process for multi-responsive soft-matter composite films containing CsWO ₃ nanorods for energy-efficient smart window applications. <i>Nanoscale Horizons</i> , 2017, 2, 319-325.	4.1	111
97	In-situ fabrication of nanosheet arrays on copper foil as a new substrate for binder-free high-performance electrochemical supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2017, 802, 48-56.	1.9	13
98	Electrochromic Asymmetric Supercapacitor Windows Enable Direct Determination of Energy Status by the Naked Eye. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34085-34092.	4.0	134

#	ARTICLE	IF	CITATIONS
99	Roll-to-roll Production of Transparent Silver Nanofiber Network Electrodes for Flexible Electrochromic Smart Windows. <i>Advanced Materials</i> , 2017, 29, 1703238.	11.1	288
100	Stretchable Electronic Sensors of Nanocomposite Network Films for Ultrasensitive Chemical Vapor Sensing. <i>Small</i> , 2017, 13, 1701697.	5.2	70
101	Deformable and Transparent Ionic and Electronic Conductors for Soft Energy Devices. <i>Advanced Energy Materials</i> , 2017, 7, 1701369.	10.2	63
102	Engineered Fabrication of Hierarchical Frameworks with Tuned Pore Structure and N,O-Co-Doping for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31940-31949.	4.0	53
103	Electrochemical studies of silicon nitride electron blocking layer for all-solid-state inorganic electrochromic device. <i>Electrochimica Acta</i> , 2017, 252, 331-337.	2.6	26
104	Thermochromic Ionogel: A New Class of Stimuli Responsive Materials with Super Cyclic Stability for Solar Modulation. <i>Chemistry of Materials</i> , 2017, 29, 6947-6955.	3.2	88
105	Conductive polymer-based bioelectrochemical assembly for in vitro cytotoxicity evaluation: Renoprotective assessment of <i>Salvia officinalis</i> against carbon tetrachloride induced nephrotoxicity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2304-2314.	1.1	5
106	Trifunctional NiO/Ag/NiO electrodes for ITO-free electrochromic supercapacitors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8408-8414.	2.7	43
107	Embedded Ag Grid Electrodes as Current Collector for Ultraflexible Transparent Solid-State Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27649-27656.	4.0	66
108	The Functionalization of Miniature Energy Storage Devices. <i>Small Methods</i> , 2017, 1, 1700211.	4.6	23
109	Large-Scale Multifunctional Electrochromic-Energy Storage Device Based on Tungsten Trioxide Monohydrate Nanosheets and Prussian White. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29872-29880.	4.0	149
110	Self-similar Hierarchical Wrinkles as a Potential Multifunctional Smart Window with Simultaneously Tunable Transparency, Structural Color, and Droplet Transport. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26510-26517.	4.0	85
111	Hydrothermal synthesis of WO ₃ nanoflowers on etched ITO and their electrochromic properties. <i>Electrochimica Acta</i> , 2017, 246, 1112-1120.	2.6	48
112	Thermally evaporated indium-free, transparent, flexible SnO ₂ /AgPdCu/SnO ₂ electrodes for flexible and transparent thin film heaters. <i>Scientific Reports</i> , 2017, 7, 2550.	1.6	37
113	Electrically Driving Sensors Based on Polymer. , 2017, , 287-323.		0
114	Flexible Electronic Devices Based on Polymers. , 2017, , 325-354.		7
115	Hydrothermally prepared MnSe nanoparticles as a new pseudocapacitive electrode material for supercapacitor. <i>Electrochimica Acta</i> , 2018, 268, 403-410.	2.6	84
116	Hierarchical 1D nanofiber-2D nanosheet-shaped self-standing membranes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9161-9171.	5.2	45

#	ARTICLE	IF	CITATIONS
117	Large-Scale Color-Changing Thin Film Energy Storage Device with High Optical Contrast and Energy Storage Capacity. <i>ACS Applied Energy Materials</i> , 2018, 1, 1658-1663.	2.5	14
118	Enhanced electrochromic and energy storage performance in mesoporous WO ₃ film and its application in a bi-functional smart window. <i>Nanoscale</i> , 2018, 10, 8162-8169.	2.8	116
119	Improvement of color retention properties of Ag deposition-based electrochromic device by introducing anion exchange membrane. <i>MRS Communications</i> , 2018, 8, 498-503.	0.8	11
120	Hierarchically porous carbon derived from biomass: Effect of mesopore and heteroatom-doping on electrochemical performance. <i>Applied Surface Science</i> , 2018, 460, 8-16.	3.1	69
121	Achieving rapid Li-ion insertion kinetics in TiO ₂ mesoporous nanotube arrays for bifunctional high-rate energy storage smart windows. <i>Nanoscale</i> , 2018, 10, 3254-3261.	2.8	38
122	Transparent and flexible Sb-doped SnO ₂ films with a nanoscale AgTi alloyed interlayer for heat generation and shielding applications. <i>RSC Advances</i> , 2018, 8, 2599-2609.	1.7	15
123	Functionalizing New Intercalation Chemistry for Sub-Nanometer Scaled Interlayer Engineering of 2D Transition Metal Oxides and Chalcogenides. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701385.	1.9	17
124	New-generation integrated devices based on dye-sensitized and perovskite solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 476-526.	15.6	364
125	Self-supported one-dimensional materials for enhanced electrochromism. <i>Nanoscale Horizons</i> , 2018, 3, 261-292.	4.1	54
126	A Novel Blue to Transparent Polymer for Electrochromic Supercapacitor Electrodes. <i>Electroanalysis</i> , 2018, 30, 266-273.	1.5	26
127	Visualized UV Photodetectors Based on Prussian Blue/TiO ₂ for Smart Irradiation Monitoring Application. <i>Advanced Materials Technologies</i> , 2018, 3, 1700288.	3.0	63
128	Atomic Layer Deposition of Nickel on ZnO Nanowire Arrays for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 468-476.	4.0	30
129	All-solid-state high-energy planar asymmetric supercapacitors based on all-in-one monolithic film using boron nitride nanosheets as separator. <i>Energy Storage Materials</i> , 2018, 10, 24-31.	9.5	55
130	A Review on Flexible and Transparent Energy Storage System. <i>Materials</i> , 2018, 11, 2280.	1.3	23
131	Inkjet-printed metal oxide nanoparticles on elastomer for strain-adaptive transmissive electrochromic energy storage systems. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 759-770.	2.8	44
132	Dual-Function Electrochromic Supercapacitors Displaying Real-Time Capacity in Color. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43993-43999.	4.0	82
133	Hydrated tungsten oxide nanosheet electrodes for broadband electrochromism and energy storage. <i>Materials Today Energy</i> , 2018, 10, 380-387.	2.5	25
134	Recent Progress in Micro-Supercapacitor Design, Integration, and Functionalization. <i>Small Methods</i> , 2019, 3, 1800367.	4.6	154

#	ARTICLE	IF	CITATIONS
135	Spray- ON Reduced Graphene Oxide-Poly(vinyl alcohol) Supercapacitors for Flexible Energy and Power. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801237.	1.9	11
136	A Flexible Wearable Pressure Sensor with Bioinspired Microcrack and Interlocking for Full-Range Human-Machine Interfacing. <i>Small</i> , 2018, 14, e1803018.	5.2	156
137	$\text{VO}_2/\text{SiO}_2/\text{Poly}(\text{N-isopropylacrylamide})$ Hybrid Nanothermochromic Microgels for Smart Window. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 12801-12808.	1.8	33
138	Polythiophene-viologen bilayer for electro-trichromic device. <i>Solar Energy Materials and Solar Cells</i> , 2018, 188, 249-254.	3.0	64
139	A novel $\text{MnO}_2/\text{Ti}_3\text{C}_2\text{Tx}$ MXene nanocomposite as high performance electrode materials for flexible supercapacitors. <i>Electrochimica Acta</i> , 2018, 290, 695-703.	2.6	146
140	Constructing in-chip micro-supercapacitors of 3D graphene nanowall/ruthenium oxides electrode through silicon-based microfabrication technique. <i>Journal of Power Sources</i> , 2018, 401, 204-212.	4.0	40
141	Surface plasmon resonance effect for a new structure of Ag/WO_3 nanorod-shell nanocomposites and application in smart window. <i>Journal of Molecular Structure</i> , 2018, 1169, 25-30.	1.8	12
142	Thermal control of transmission property by phase transition in cholesteric liquid crystals. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6520-6525.	2.7	31
143	Control of Transmittance by Thermally Induced Phase Transition in Guest-Host Liquid Crystals. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800066.	2.7	19
144	High-Performance Cable-Type Flexible Rechargeable Zn Battery Based on MnO_2/CNT Fiber Microelectrode. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24573-24582.	4.0	174
145	Copper molybdenum sulfide anchored nickel foam: a high performance, binder-free, negative electrode for supercapacitors. <i>Nanoscale</i> , 2018, 10, 13883-13888.	2.8	59
146	Al^{3+} intercalation/de-intercalation-enabled dual-band electrochromic smart windows with a high optical modulation, quick response and long cycle life. <i>Energy and Environmental Science</i> , 2018, 11, 2884-2892.	15.6	248
147	Roll-to-roll sputtered and patterned $\text{Cu}_2\text{O}/\text{Cu}/\text{Cu}_2\text{O}$ multilayer grid electrode for flexible smart windows. <i>RSC Advances</i> , 2018, 8, 26968-26977.	1.7	11
148	Smart OLED Lighting on Electrochromic Glass. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800102.	0.8	5
149	2.6 Dye-Sensitized Materials. , 2018, , 150-181.		1
150	A Deformable and Highly Robust Ethyl Cellulose Transparent Conductor with a Scalable Silver Nanowires Bundle Micromesh. <i>Advanced Materials</i> , 2018, 30, e1802803.	11.1	95
151	Integrated electrochromism and energy storage applications based on tungsten trioxide monohydrate nanosheets by novel one-step low temperature synthesis. <i>Solar Energy Materials and Solar Cells</i> , 2018, 183, 59-65.	3.0	29
152	Self-shading by optical or thermal control of transmittance with liquid crystals doped with push-pull azobenzene. <i>Solar Energy Materials and Solar Cells</i> , 2018, 183, 146-150.	3.0	26

#	ARTICLE	IF	CITATIONS
153	A bifunctional triphenylamine-based electrochromic polymer with excellent self-healing performance. <i>Electrochimica Acta</i> , 2018, 286, 296-303.	2.6	25
154	Hierarchical porous PANI/MIL-101 nanocomposites based solid-state flexible supercapacitor. <i>Electrochimica Acta</i> , 2018, 281, 582-593.	2.6	74
156	Automated energy storage using carbon nanostructured materials. , 2019, , 395-409.		0
157	Bifunctional aligned hexagonal/amorphous tungsten oxide core/shell nanorod arrays with enhanced electrochromic and pseudocapacitive performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16867-16875.	5.2	68
158	Mixed ion-electron conducting PEO/PEDOT: PSS miscible blends with intense electrochromic response. <i>Polymer</i> , 2019, 184, 121900.	1.8	19
159	PAM-PNIPAM/W-doped VO ₂ thermochromic hydrogel film with high solar modulation capability for smart windows deployment. <i>Optical Materials</i> , 2019, 97, 109367.	1.7	32
160	Chemical Polymerization of Hydroxymethyl and Chloromethyl Functionalized PEDOT:PSS. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3103-3114.	2.0	16
161	Mechano-thermo-chromic device with supersaturated salt hydrate crystal phase change. <i>Science Advances</i> , 2019, 5, eaav4916.	4.7	26
162	Uniform generation of NiCo ₂ S ₄ with 3D honeycomb-like network structure on carbon cloth as advanced electrode materials for flexible supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 743-752.	5.0	67
163	Characterization of the Ge/Bi ₂ O ₃ Interfaces. <i>Materials Research</i> , 2019, 22, .	0.6	4
164	An intelligent and portable power storage device able to visualize the energy status. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23028-23037.	5.2	38
165	High-Performance Asymmetric Electrochromic-Supercapacitor Device Based on Poly(indole-6-carboxylic acid)/TiO ₂ Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6491-6501.	4.0	117
166	An Ultra-High-Energy Density Supercapacitor; Fabrication Based on Thiol-functionalized Graphene Oxide Scrolls. <i>Nanomaterials</i> , 2019, 9, 148.	1.9	63
167	Engineering the volumetric effect of Polypyrrole for auto-deformable supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 374, 59-67.	6.6	33
168	Spray-processable, large-area, patterned and all-solid-state electrochromic device based on silica/polyaniline nanocomposites. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 109951.	3.0	50
169	Polyaniline nanoparticle coated graphene oxide composite nanoflakes for bifunctional multicolor electrochromic and supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13497-13508.	1.1	27
170	Paper-based metasurface: Turning waste-paper into a solution for electromagnetic pollution. <i>Journal of Cleaner Production</i> , 2019, 234, 588-596.	4.6	51
171	A monolithic integrated ultra-flexible all-solid-state supercapacitor based on a polyaniline conducting polymer. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15378-15386.	5.2	33

#	ARTICLE	IF	CITATIONS
172	Deep Eutectic Solvent with Prussian Blue and Tungsten Oxide for Green and Low-Cost Electrochromic Devices. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1038-1045.	2.0	24
173	Hybrid Transparent PEDOT:PSS Molybdenum Oxide Battery-like Supercapacitors. <i>ACS Applied Energy Materials</i> , 2019, 2, 4629-4639.	2.5	50
174	Influence of single-nanoparticle electrochromic dynamics on the durability and speed of smart windows. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12666-12671.	3.3	38
175	Patterned Flexible Electrochromic Device Based on Monodisperse Silica/Polyaniline Core/Shell Nanospheres. <i>Journal of the Electrochemical Society</i> , 2019, 166, H343-H350.	1.3	32
176	High-temperature adaptive and robust ultra-thin inorganic all-solid-state smart electrochromic energy storage devices. <i>Nano Energy</i> , 2019, 62, 46-54.	8.2	73
177	Color-changeable gold luster film based on polyaniline and poly(3,4-ethylenedioxythiophene). <i>Thin Solid Films</i> , 2019, 677, 33-38.	0.8	2
178	The effect of oxidation concentration on the adhesion between flexible substrate and metal layer in metal transfer process using UV curable polymer. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 065007.	1.5	0
179	Transparent Conductive Dielectric~Metal~Dielectric Structures for Electrochromic Applications Fabricated by High-Power Impulse Magnetron Sputtering. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14871-14881.	4.0	45
180	Energy storage smart window with transparent-to-dark electrochromic behavior and improved pseudocapacitive performance. <i>Chemical Engineering Journal</i> , 2019, 370, 1459-1466.	6.6	75
181	Directly grown high-performance WO ₃ films by a novel one-step hydrothermal method with significantly improved stability for electrochromic applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13956-13967.	5.2	67
182	Dual-Mode Switchable Liquid-Crystal Window. <i>Physical Review Applied</i> , 2019, 12, .	1.5	14
183	A self-rechargeable electrochromic battery based on electrodeposited polypyrrole film. <i>Solar Energy Materials and Solar Cells</i> , 2019, 192, 1-7.	3.0	69
184	Polyindole vertical nanowire array based electrochromic-supercapacitor difunctional device for energy storage and utilization. <i>European Polymer Journal</i> , 2019, 113, 29-35.	2.6	66
185	A facile preparation of SiO ₂ /PEDOT core/shell nanoparticle composite film for electrochromic device. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3994-4005.	1.1	12
186	Functional Nanomaterials and Nanostructures Enhancing Electrochemical Biosensors and Lab-on-a-Chip Performances: Recent Progress, Applications, and Future Perspective. <i>Chemical Reviews</i> , 2019, 119, 120-194.	23.0	436
187	A novel heterostructure of oriented core/shell tungsten oxide nanorod arrays for electrochromo-pseudocapacitor. <i>Scripta Materialia</i> , 2020, 174, 1-5.	2.6	20
188	Rational Design of Nanostructured Electrode Materials toward Multifunctional Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1902564.	7.8	252
189	Experimental and numerical study of energy loss through double-glazed windows. <i>Heat and Mass Transfer</i> , 2020, 56, 727-747.	1.2	6

#	ARTICLE	IF	CITATIONS
191	Bistable silver electrodeposition-based EC device with a Prussian blue counter electrode to maintain the mirror state without power supply. <i>Solar Energy Materials and Solar Cells</i> , 2020, 205, 110247.	3.0	30
192	Smart supercapacitors from materials to devices. <i>Informa's Materials</i> , 2020, 2, 113-125.	8.5	145
193	Recent Progress of Fiber Shaped Lighting Devices for Smart Display Applications – A Fibertronic Perspective. <i>Advanced Materials</i> , 2020, 32, e1903488.	11.1	81
194	Triple Layer Tungsten Trioxide, Graphene, and Polyaniline Composite Films for Combined Energy Storage and Electrochromic Applications. <i>Polymers</i> , 2020, 12, 49.	2.0	23
195	A Highly Stable and Tunable Visible-Near-IR Electrochromic All-in-One Gel Device. <i>ChemPhotoChem</i> , 2020, 4, 357-365.	1.5	15
196	A high-performance electrochromic device assembled with hexagonal WO ₃ and NiO/PB composite nanosheet electrodes towards energy storage smart window. <i>Solar Energy Materials and Solar Cells</i> , 2020, 207, 110337.	3.0	78
197	Fusing electrochromic technology with other advanced technologies: A new roadmap for future development. <i>Materials Science and Engineering Reports</i> , 2020, 140, 100524.	14.8	227
198	Preparation and characterization of mesoporous activated carbons from nonporous hard carbon via enhanced steam activation strategy. <i>Materials Chemistry and Physics</i> , 2020, 242, 122454.	2.0	27
199	Pulsed laser rusted stainless steel: a robust electrode material applied for energy storage and generation applications. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1242-1253.	2.5	11
200	Integrated electrochromic supercapacitors with visual energy levels boosted by coating onto carbon nanotube conductive networks. <i>Solar Energy Materials and Solar Cells</i> , 2020, 206, 110330.	3.0	29
202	Highly efficient dark to transparent electrochromic electrode with charge storing ability based on polyaniline and functionalized nickel oxide composite linked through a binding agent. <i>Electrochimica Acta</i> , 2020, 331, 135359.	2.6	27
203	Ionic Conductive Gels for Optically Manipulatable Microwave Stealth Structures. <i>Advanced Science</i> , 2020, 7, 1902162.	5.6	57
204	An extensible and tunable full-opaque cascade smart electrochromic device. <i>Solar Energy Materials and Solar Cells</i> , 2020, 218, 110740.	3.0	10
205	An improvement in the coloration properties of Ag deposition-based plasmonic EC devices by precise control of shape and density of deposited Ag nanoparticles. <i>Nanoscale</i> , 2020, 12, 23975-23983.	2.8	15
206	Transparent and flexible high-power supercapacitors based on carbon nanotube fibre aerogels. <i>Nanoscale</i> , 2020, 12, 16980-16986.	2.8	21
207	Stretchable and Shelf-Stable All-Polymer Supercapacitors Based on Sealed Conductive Hydrogels. <i>ACS Applied Energy Materials</i> , 2020, 3, 8850-8857.	2.5	8
208	Bifunctional electrochromic-energy storage materials with enhanced performance obtained by hybridizing TiO ₂ nanowires with POMs. <i>New Journal of Chemistry</i> , 2020, 44, 15475-15482.	1.4	9
209	SubPc-Br/NiMoO ₄ composite as a high-performance supercapacitor electrode materials. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 1007-1018.	1.5	8

#	ARTICLE	IF	CITATIONS
210	Unveiling the electrochromic mechanism of Prussian Blue by electronic transition analysis. <i>Nano Energy</i> , 2020, 78, 105148.	8.2	39
211	One-Dimensional π -Conjugated Coordination Polymer for Electrochromic Energy Storage Device with Exceptionally High Performance. <i>Advanced Science</i> , 2020, 7, 1903109.	5.6	72
212	Quasi-Solid-State Electrochromic Cells with Energy Storage Properties Made with Inkjet Printing. <i>Materials</i> , 2020, 13, 3241.	1.3	8
213	Flexible Poly(vinyl alcohol)-Polyaniline Hydrogel Film with Vertically Aligned Channels for an Integrated and Self-Healable Supercapacitor. <i>ACS Applied Energy Materials</i> , 2020, 3, 9408-9416.	2.5	59
214	Extremely fast electrochromic supercapacitors based on mesoporous WO ₃ prepared by an evaporation-induced self-assembly. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	76
215	Electrochromic and Electrofluorochromic Performance of Novel Polysiloxane bearing Tetraaniline and Fluorescein Groups. <i>International Journal of Electrochemical Science</i> , 2020, , 9245-9255.	0.5	1
216	High-performance electrochromo-supercapacitors based on the synergetic effect between aqueous Al ³⁺ and ordered hexagonal tungsten oxide nanorod arrays. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9927-9938.	5.2	33
217	A Wearable Supercapacitor Based on Conductive PEDOT:PSS-Coated Cloth and a Sweat Electrolyte. <i>Advanced Materials</i> , 2020, 32, e1907254.	11.1	282
218	Carrier concentration dependency of plasma frequency in SiInZnO/Ag/SiInZnO transparent multilayer. <i>Physica B: Condensed Matter</i> , 2020, 592, 412242.	1.3	4
219	Effect of independently controllable electrolyte ion content on the performance of all-solid-state electrochromic devices. <i>Chemical Engineering Journal</i> , 2020, 398, 125628.	6.6	42
220	Electrochromic Conjugated Polymers for Multifunctional Smart Windows with Integrative Functionalities. <i>Advanced Materials Technologies</i> , 2020, 5, 1900890.	3.0	102
221	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	3.2	117
222	Raw hibiscus extract as redox active biomaterial for novel herbal electrochromic device. <i>Solar Energy Materials and Solar Cells</i> , 2020, 215, 110588.	3.0	21
223	Fluorinated Oleophilic Electrochromic Copolymer Based on N -Trifluoroacetamidothiophene and 3,4-Ethylenedioxythiophene (EDOT). <i>ChemElectroChem</i> , 2020, 7, 3038-3043.	1.7	5
224	Enhanced Electrochemical Performance of a Hybrid Supercapacitive Material Based on Ternary Doped Polyaniline/Activated Carbon Composite. <i>Energy & Fuels</i> , 2020, 34, 10148-10159.	2.5	18
225	Hydrogel smart windows. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10007-10025.	5.2	154
226	Multifunctional micro-/nanoscaled structures based on polyaniline: an overview of modern emerging devices. <i>Materials Today Chemistry</i> , 2020, 16, 100249.	1.7	41
227	Solution-Processed Transparent Electrodes for Emerging Thin-Film Solar Cells. <i>Chemical Reviews</i> , 2020, 120, 2049-2122.	23.0	152

#	ARTICLE	IF	CITATIONS
228	Smart Electrochromic Supercapacitors Made of Metal Mesh Electrodes with Polyaniline as Charge Storage Indicator. <i>Energy Technology</i> , 2020, 8, 1901364.	1.8	20
229	Thermal Conversion of Triazine-Based Covalent Organic Frameworks to Nitrogen-Doped Nanoporous Carbons and Their Capacitor Performance. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 414-420.	2.0	12
230	Multifunctional electrochromic energy storage devices by chemical cross-linking: impact of a WO ₃ ·H ₂ O nanoparticle-embedded chitosan thin film on amorphous WO ₃ films. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	42
231	Semitransparent Energy-Storage Functional Photovoltaics Monolithically Integrated with Electrochromic Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1909601.	7.8	51
232	Effect of Ligand Treatment on the Tuning of Infrared Plasmonic Indium Tin Oxide Nanocrystal Electrochromic Devices. <i>Advanced Engineering Materials</i> , 2020, 22, 2000112.	1.6	15
233	High performance organic-inorganic hybrid material with multi-color change and high energy storage capacity for intelligent supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157480.	2.8	34
234	Aerosol-deposited Al ₂ O ₃ /PTFE hydrophobic coatings with adjustable transparency. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1716-1725.	1.9	6
235	Electrochemical Supercapacitors: From Mechanism Understanding to Multifunctional Applications. <i>Advanced Energy Materials</i> , 2021, 11, 2003311.	10.2	109
236	Wearable fabric supercapacitors using supersonically sprayed reduced graphene and tin oxide. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157902.	2.8	29
237	High-efficiency solar energy conversion using infrared focusing and reflection system. <i>International Journal of Energy Research</i> , 2021, 45, 5544-5554.	2.2	5
238	PANI/MoO ₃ shell-core composites with enhanced rate and cycling performance for flexible solid-state supercapacitors and electrochromic applications. <i>New Journal of Chemistry</i> , 2021, 45, 10654-10663.	1.4	15
239	Self-assembled Co(OH) ₂ /functionalized MWNTs/porous graphene ternary binder-free hybrid for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 151-167.	1.1	7
240	ITO-free large area PDLC smart windows: a cost-effective fabrication using spray coated SnO ₂ on an invisible Al mesh. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23157-23168.	5.2	26
241	Miniaturized energy storage: microsupercapacitor based on two-dimensional materials. , 2021, , 311-358.		3
242	Multi-functional Electrochromic Devices: Integration Strategies Based on Multiple and Single Devices. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2021, 36, 115.	0.6	5
243	Ultrasound irradiation mediated preparation of antimony sulfide (Sb ₂ S ₃) nanorods as a high-capacity electrode for electrochemical supercapacitors. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2303-2312.	3.2	13
244	A patterned phase-changing vanadium dioxide film stacking with VO ₂ nanoparticle matrix for high performance energy-efficient smart window applications. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	14
245	Smart Thermally Switchable Liquid Crystal Window. <i>Advanced Photonics Research</i> , 2021, 2, 2000156.	1.7	12

#	ARTICLE	IF	CITATIONS
246	High-Mass Loading Hierarchically Porous Activated Carbon Electrode for Pouch-Type Supercapacitors with Propylene Carbonate-Based Electrolyte. <i>Nanomaterials</i> , 2021, 11, 785.	1.9	14
247	Advances in Electrochemical Energy Devices Constructed with Tungsten Oxide-Based Nanomaterials. <i>Nanomaterials</i> , 2021, 11, 692.	1.9	20
248	3D Hierarchical Carbon-Rich Micro-/Nanomaterials for Energy Storage and Catalysis. <i>Electrochemical Energy Reviews</i> , 2021, 4, 269-335.	13.1	108
250	Operando Raman and UV-Vis spectroscopic investigation of the coloring and bleaching mechanism of self-powered photochromic devices for smart windows. <i>Nano Energy</i> , 2021, 82, 105721.	8.2	34
251	Filtering of yellow light in a liquid-crystal light shutter for higher color contrast and reduced glare. <i>Journal of Molecular Liquids</i> , 2021, 327, 114846.	2.3	3
252	Preliminary study on the performance of a redox capacitor with the use of ionic liquid-based gel polymer electrolyte and polypyrrole electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 17629-17636.	1.1	2
253	Leather-Based Multi-Stimuli Responsive Chromisms. <i>Advanced Functional Materials</i> , 2021, 31, 2104427.	7.8	16
254	Flexible electrochromic and thermochromic hybrid smart window based on a highly durable ITO/graphene transparent electrode. <i>Chemical Engineering Journal</i> , 2021, 416, 129028.	6.6	38
255	Titanium Dioxide as Energy Storage Material: A Review on Recent Advancement. , 0, , .		2
256	Wearable Supercapacitors, Performance, and Future Trends. , 0, , .		0
257	Fabrication of Metal Nanowire Based Stretchable Mesh Electrode for Wearable Heater Application. <i>Journal of Korean Institute of Metals and Materials</i> , 2021, 59, 575-581.	0.4	5
258	Simultaneous effects of external stimuli on preparation and performance parameters of normally transparent reverse mode polymer-dispersed liquid crystals—a review. <i>Journal of Materials Science</i> , 2021, 56, 18795-18836.	1.7	25
259	A cholesteric liquid crystal smart window with a low operating voltage. <i>Dyes and Pigments</i> , 2022, 197, 109843.	2.0	31
260	Emerging Zn Anode-Based Electrochromic Devices. <i>Small Science</i> , 2021, 1, 2100040.	5.8	35
261	A high-performance electrochromic battery based on complementary Prussian white/Li ₄ Ti ₅ O ₁₂ thin film electrodes. <i>Solar Energy Materials and Solar Cells</i> , 2021, 231, 111314.	3.0	20
262	Integrating exceptional visible modulation, near-infrared shielding and energy storage in an all-solid-electrochromic bilayer device. <i>Chemical Engineering Journal</i> , 2021, 423, 130306.	6.6	11
263	Large-area multifunctional electro-chromic-chemical device made of W ₁₇ O ₄₇ nanowires by Zn ²⁺ ion intercalation. <i>Nano Energy</i> , 2021, 89, 106356.	8.2	33
264	Smart Window Based on Angular-Selective Absorption of Solar Radiation with Guest-Host Liquid Crystals. <i>Crystals</i> , 2021, 11, 131.	1.0	10

#	ARTICLE	IF	CITATIONS
265	Vanadium substituted Keggin-type POM-based electrochromic films showing high performance in a Li ⁺ -based neutral non-aqueous electrolyte. RSC Advances, 2016, 6, 38782-38789.	1.7	10
266	Smart electrochromic supercapacitors based on highly stable transparent conductive graphene/CuS network electrodes. RSC Advances, 2017, 7, 29088-29095.	1.7	35
267	Recent progress in integrated functional electrochromic energy storage devices. Journal of Materials Chemistry C, 2020, 8, 15507-15525.	2.7	68
268	Electrolytes for Electrochemical Supercapacitors. , 0, , .		44
269	Advances in Inorganic All-solid-state Electrochromic Materials and Devices. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2020, 35, 511.	0.6	13
270	Designing flexible, smart and self-sustainable supercapacitors for portable/wearable electronics: from conductive polymers. Chemical Society Reviews, 2021, 50, 12702-12743.	18.7	227
271	Viologen-Immobilized 2D Polymer Film Enabling Highly Efficient Electrochromic Device for Solar-Powered Smart Window. Advanced Materials, 2022, 34, e2106073.	11.1	32
272	Technology Development Trends of Self-Powered Next Generation Smart Windows. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2015, 28, 753-764.	0.0	0
273	Unraveling the Role of Water on the Electrochromic and Electrochemical Properties of Nickel Oxide Electrodes in Electrochromic Pseudocapacitors. Journal of the Electrochemical Society, 2021, 168, 113502.	1.3	3
274	Evaluation and application of phytomass derived activated carbons as electrodes for coin cell supercapacitors. International Journal of Electrochemical Science, 2021, 16, 211251.	0.5	3
275	A Flexible and Transparent Zinc-Nanofiber Network Electrode for Wearable Electrochromic, Rechargeable Zn-Ion Battery. Small, 2022, 18, e2104462.	5.2	50
276	A New Donor-Acceptor Conjugated Polymer Enables High-Performance Flexible Asymmetric Electrochromic Supercapacitor. SSRN Electronic Journal, 0, , .	0.4	0
277	Wearable Self-Powered Smart Sensors for Portable Nutrition Monitoring. Analytical Chemistry, 2022, 94, 2333-2340.	3.2	27
278	Nanostructured materials for electrochromic energy storage systems. Journal of Materials Chemistry A, 2022, 10, 1179-1226.	5.2	25
279	Energy Saving and Energy Generation Smart Window with Active Control and Antifreezing Functions. Advanced Science, 2022, 9, e2105184.	5.6	32
280	A light-activated TiO ₂ @In ₂ Se ₃ @Ag ₃ PO ₄ cathode for high-performance Zn-Air batteries. Chemical Engineering Journal, 2022, 434, 134650.	6.6	21
281	A smart flexible supercapacitor enabled by a transparent electrochromic electrode composed of W ₁₈ O ₄₉ nanowires/rGO composite films. Journal of Materials Chemistry A, 2022, 10, 4870-4880.	5.2	26
282	Attaining remarkable switching speed of nickel oxide-based electrode for electrochromic energy storage devices. Surfaces and Interfaces, 2022, 29, 101792.	1.5	4

#	ARTICLE	IF	CITATIONS
283	A Fully Self-Powered Cholesteric Smart Window Actuated by Droplet-Based Electricity Generator. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	9
284	Facile Fabrication of Polyaniline/Pbs Nanocomposite for High-Performance Supercapacitor Application. <i>Nanomaterials</i> , 2022, 12, 817.	1.9	32
285	Intelligent windows for electricity generation: A technologies review. <i>Building Simulation</i> , 2022, 15, 1747-1773.	3.0	17
286	Banana Peel and Conductive Polymers-Based Flexible Supercapacitors for Energy Harvesting and Storage. <i>Energies</i> , 2022, 15, 2471.	1.6	15
287	Application of New Energy Thermochromic Composite Thermosensitive Materials of Smart Windows in Recent Years. <i>Molecules</i> , 2022, 27, 1638.	1.7	25
288	Progress and challenges in flexible electrochromic devices. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111709.	3.0	31
289	Solar cell-coupled metallo-supramolecular polymer-based electrochromic device in renewable energy storage and on-demand usage. <i>Solar Energy Materials and Solar Cells</i> , 2022, 239, 111660.	3.0	18
290	Integrated photoelectrochromic supercapacitor for applications in energy storage and smart windows. <i>Journal of Energy Storage</i> , 2022, 51, 104460.	3.9	12
291	Improvement of Stretchable and Washable Carbon-Nanotube-Based Textile Supercapacitors by using Molybdenum Trioxide Nanoflakes and Prewashing Treatment. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	4
292	Electrochromic Materials Based on Ions Insertion and Extraction. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	52
293	Lessons learned from 25 years of development of photoelectrochromic devices: A technical review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 162, 112462.	8.2	12
294	Design of chiral guest-host liquid crystals for a transmittance-tunable smart window. <i>Optical Materials Express</i> , 2022, 12, 2568.	1.6	10
295	Tetra-Carbazole based electroactive donor-acceptor dyes: Effect of the phenyl bridging unit on the electrochromic performance. <i>Dyes and Pigments</i> , 2022, 204, 110467.	2.0	5
297	The growth of organic electrode materials for energy storage applications. , 2022, , 115-144.		1
298	Facile Preparation of Oxygen Vacancy WO _{3-x} @TiO _{2-x} /Poly(indole-6-carboxylic) Tj ETQq0 0 0 rgBT /Overlock Application. <i>ACS Applied Energy Materials</i> , 2022, 5, 8443-8451.	2.5	6
299	Studies on the ZnCl ₂ activated carbons derived from Sabal palmetto and Pterospermum acerifolium leaves for EDLC application. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	6
300	Emerging Electrochromic Materials and Devices for Future Displays. <i>Chemical Reviews</i> , 2022, 122, 14679-14721.	23.0	175
301	The electrochromic properties of the film enhanced by forming WO ₃ and PANI core-shell structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 20802-20811.	1.1	6

#	ARTICLE	IF	CITATIONS
302	A conjugated polymer with Electron-withdrawing cyano group enables for flexible asymmetric electrochromic supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 450, 138386.	6.6	20
303	Ultra-strong ionic liquid-based polymer composite electrolyte for high performance electrochromic devices. <i>Solar Energy Materials and Solar Cells</i> , 2022, 248, 111968.	3.0	6
304	Ultra-fast green microwave assisted synthesis of NaFePO ₄ -C nanocomposites for sodium ion batteries and supercapacitors. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
305	Efficient electrochromic efficiency and stability of amorphous/crystalline tungsten oxide film. <i>Journal of Alloys and Compounds</i> , 2023, 930, 167405.	2.8	15
306	Smart windows built with a conductive polymer with net zero energy consumption. <i>Cell Reports Physical Science</i> , 2022, 3, 101100.	2.8	5
307	Novel Prussian White@MnO ₂ -Based Inorganic Electrochromic Energy Storage Devices with Integrated Flexibility, Multicolor, and Long Life. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 48833-48843.	4.0	26
308	Dynamic Electro-, Mechanochromic Materials and Structures for Multifunctional Smart Windows. , 2023, , 73-97.		0
309	High-performance electrochromic supercapacitor based on a new EDOT-triphenylamine conjugated polymer. <i>Dyes and Pigments</i> , 2023, 208, 110889.	2.0	4
310	Dual-function smart windows with dynamic and fast thermal response for building energy-saving/storage. <i>Solar Energy Materials and Solar Cells</i> , 2023, 249, 112048.	3.0	7
311	Enhanced electrochromic capacity performances of hierarchical MnO ₂ -polyaniline/PEDOT:PSS/Ag@Ni nanowires cathode for flexible and rechargeable electrochromic Zn-Ion battery. <i>Chemical Engineering Journal</i> , 2023, 452, 139555.	6.6	27
312	Dual-Responsive Hydrogels with Three-Stage Optical Modulation for Smart Windows. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 53314-53322.	4.0	7
313	Enhancing the electrochemical performance of TiO ₂ based material using microwave air plasma treatment with an ECR cavity. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	0
314	Research in Electrochromic Supercapacitor – A Focused Review. <i>Batteries and Supercaps</i> , 2023, 6, .	2.4	12
315	Dual-Function Self-Powered Electrochromic Batteries with Energy Storage and Display Enabled by Potential Difference. <i>ACS Energy Letters</i> , 2023, 8, 306-313.	8.8	13
316	Nanocomposite Electrode of Titanium Dioxide Nanoribbons and Multiwalled Carbon Nanotubes for Energy Storage. <i>Materials</i> , 2023, 16, 595.	1.3	4
317	High performance PANI/MnO ₂ coral-like nanocomposite anode for flexible and robust electrochromic energy storage device. <i>Solar Energy Materials and Solar Cells</i> , 2023, 253, 112239.	3.0	3
319	Sputter-Deposited Nano-porous ZnO Electrode for Highly Efficient Optoelectronic and Solid-State Energy Storage Devices. <i>Journal of Electronic Materials</i> , 0, , .	1.0	1
320	Applications of thermochromic and electrochromic smart windows: Materials to buildings. <i>Cell Reports Physical Science</i> , 2023, 4, 101370.	2.8	12

#	ARTICLE	IF	CITATIONS
321	Electrochromic-Induced Rechargeable Aqueous Batteries: An Integrated Multifunctional System for Cross-Domain Applications. <i>Nano-Micro Letters</i> , 2023, 15, .	14.4	15
322	Thermochromic Energy Efficient Windows: Fundamentals, Recent Advances, and Perspectives. <i>Chemical Reviews</i> , 2023, 123, 7025-7080.	23.0	28
323	Aqueous intelligent bi-functional electrochromic-energy storage device on heterostructured nanoarrays: In-situ reparability and Al ³⁺ ion effect. <i>Solar Energy Materials and Solar Cells</i> , 2023, 256, 112339.	3.0	3
325	The effects of MnO ₂ nanoparticles activated carbon composite on its electrochemical performances of symmetric supercapacitor. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
329	Wearable electrochromic materials and devices: from visible to infrared modulation. <i>Journal of Materials Chemistry C</i> , 2023, 11, 7183-7210.	2.7	19
344	Controllable-Assembled Functional Monolayer for Optoelectronic Applications. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	1