

Xuehong Lu

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209
papers

11,431
citations

58
h-index

99
g-index

212
ext. papers

12,607
ext. citations

6.4
avg. IF

6.45
L-index

#	Paper	IF	Citations
209	Hybrid materials and polymer electrolytes for electrochromic device applications. <i>Advanced Materials</i> , 2012 , 24, 4071-96	24	552
208	Carbon fiber aerogel made from raw cotton: a novel, efficient and recyclable sorbent for oils and organic solvents. <i>Advanced Materials</i> , 2013 , 25, 5916-21	24	513
207	Assembly of graphene sheets into hierarchical structures for high-performance energy storage. <i>ACS Nano</i> , 2011 , 5, 3831-8	16.7	364
206	Morphology, polymorphism behavior and molecular orientation of electrospun poly(vinylidene fluoride) fibers. <i>Polymer</i> , 2007 , 48, 512-521	3.9	302
205	Dodecyl sulfate-induced fast faradic process in nickel cobalt oxide/reduced graphite oxide composite material and its application for asymmetric supercapacitor device. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23114		297
204	Polydopamine spheres as active templates for convenient synthesis of various nanostructures. <i>Small</i> , 2013 , 9, 596-603	11	255
203	Electrical and mechanical properties of expanded graphite-reinforced high-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 2781-2788	2.9	251
202	Some recent developments of polyhedral oligomeric silsesquioxane (POSS)-based polymeric materials. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2775-2782		212
201	Fe/N/C hollow nanospheres by Fe(iii)-dopamine complexation-assisted one-pot doping as nonprecious-metal electrocatalysts for oxygen reduction. <i>Nanoscale</i> , 2015 , 7, 1501-9	7.7	196
200	A biomimetic approach to enhancing interfacial interactions: polydopamine-coated clay as reinforcement for epoxy resin. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3026-32	9.5	193
199	Highly electrically conductive layered carbon derived from polydopamine and its functions in SnO ₂ -based lithium ion battery anodes. <i>Chemical Communications</i> , 2012 , 48, 10316-8	5.8	185
198	Carbon microbelt aerogel prepared by waste paper: an efficient and recyclable sorbent for oils and organic solvents. <i>Small</i> , 2014 , 10, 3544-50	11	176
197	Self-Assembly-Induced Alternately Stacked Single-Layer MoS ₂ and N-doped Graphene: A Novel van der Waals Heterostructure for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2372-9	9.5	165
196	Silicon nanoparticles encapsulated in hollow graphitized carbon nanofibers for lithium ion battery anodes. <i>Nanoscale</i> , 2013 , 5, 2967-73	7.7	157
195	Thin MoS ₂ nanoflakes encapsulated in carbon nanofibers as high-performance anodes for lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6392-8	9.5	148
194	Enhanced photoelectrochemical water-splitting effect with a bent ZnO nanorod photo anode decorated with Ag nanoparticles. <i>Nanotechnology</i> , 2012 , 23, 235401	3.4	135
193	Electrospinning of polyvinylidene difluoride with carbon nanotubes: synergistic effects of extensional force and interfacial interaction on crystalline structures. <i>Langmuir</i> , 2008 , 24, 13621-6	4	132

192	From waste to functional additive: toughening epoxy resin with lignin. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5810-7	9.5	130
191	Oxidation-etching preparation of MnO ₂ tubular nanostructures for high-performance supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2769-74	9.5	129
190	Biodegradable and renewable poly(lactide)/lignin composites: synthesis, interface and toughening mechanism. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3699-3709	13	119
189	Reinforcement of polyether polyurethane with dopamine-modified clay: the role of interfacial hydrogen bonding. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4571-8	9.5	118
188	Ultralight and Flexible Polyurethane/Silver Nanowire Nanocomposites with Unidirectional Pores for Highly Effective Electromagnetic Shielding. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32211-32219	9.5	112
187	Ultralight and Highly Elastic Graphene/Lignin-Derived Carbon Nanocomposite Aerogels with Ultrahigh Electromagnetic Interference Shielding Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8205-8213	9.5	110
186	Electrical conductivity of polyaniline/dodecylbenzene sulphonic acid complex: thermal degradation and its mechanism. <i>Synthetic Metals</i> , 2002 , 128, 167-178	3.6	110
185	Lignin-assisted direct exfoliation of graphite to graphene in aqueous media and its application in polymer composites. <i>Carbon</i> , 2015 , 83, 188-197	10.4	108
184	FeCo/FeCoNi/N-doped carbon nanotubes grafted polyhedron-derived hybrid fibers as bifunctional oxygen electrocatalysts for durable rechargeable zinc-air battery. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 26-36	21.8	107
183	Covalently Bonded Polyaniline/TiO ₂ Hybrids: A Facile Approach to Highly Stable Anodic Electrochromic Materials with Low Oxidation Potentials. <i>Chemistry of Materials</i> , 2010 , 22, 255-260	9.6	106
182	Morphology, thermal and mechanical properties of nylon 12/organoclay nanocomposites prepared by melt compounding. <i>Polymer International</i> , 2005 , 54, 456-464	3.3	105
181	Non-volatile polymer electrolyte based on poly(propylene carbonate), ionic liquid, and lithium perchlorate for electrochromic devices. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 7783-9	3.4	97
180	Polydopamine-assisted decoration of ZnO nanorods with Ag nanoparticles: an improved photoelectrochemical anode. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5045-5052	13	96
179	Thermal conductivity of boron nitride-filled thermoplastics: Effect of filler characteristics and composite processing conditions. <i>Polymer Composites</i> , 2005 , 26, 778-790	3	96
178	FeNi alloys encapsulated in N-doped CNTs-tangled porous carbon fibers as highly efficient and durable bifunctional oxygen electrocatalyst for rechargeable zinc-air battery. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118344	21.8	94
177	Water-processable polyaniline with covalently bonded single-walled carbon nanotubes: enhanced electrochromic properties and impedance analysis. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 782-8	8.5	90
176	Doping polysulfone ultrafiltration membrane with TiO ₂ -PDA nanohybrid for simultaneous self-cleaning and self-protection. <i>Journal of Membrane Science</i> , 2017 , 532, 20-29	9.6	87
175	Stress-induced structural changes in electrospun polyvinylidene difluoride nanofibers collected using a modified rotating disk. <i>Polymer</i> , 2008 , 49, 4196-4203	3.9	87

174	A statistical experimental study of the injection molding of optical lenses. <i>Journal of Materials Processing Technology</i> , 2001 , 113, 189-195	5.3	86
173	Carbon/SnO ₂ /carbon core/shell/shell hybrid nanofibers: tailored nanostructure for the anode of lithium ion batteries with high reversibility and rate capacity. <i>Nanoscale</i> , 2012 , 4, 525-30	7.7	85
172	Thermal degradation of electrical conductivity of polyacrylic acid doped polyaniline: effect of molecular weight of the dopants. <i>Synthetic Metals</i> , 2003 , 138, 429-440	3.6	84
171	Polydopamine-coated graphene as multifunctional nanofillers in polyurethane. <i>RSC Advances</i> , 2013 , 3, 6377	3.7	82
170	Transition-metal-ion-mediated polymerization of dopamine: mussel-inspired approach for the facile synthesis of robust transition-metal nanoparticle-graphene hybrids. <i>Chemistry - A European Journal</i> , 2014 , 20, 7776-83	4.8	80
169	Tailoring surface hydrophilicity of porous electrospun nanofibers to enhance capillary and push-pull effects for moisture wicking. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14087-95	9.5	80
168	Simultaneous catalyzing and reinforcing effects of imidazole-functionalized graphene in anhydride-cured epoxies. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18395		80
167	Epoxy/polyhedral oligomeric silsesquioxane (POSS) hybrid networks cured with an anhydride: Cure kinetics and thermal properties. <i>Polymer</i> , 2007 , 48, 5671-5680	3.9	80
166	A review on the mechanical methods for evaluating coating adhesion. <i>Acta Mechanica</i> , 2014 , 225, 431-452	5.1	79
165	Complexes of polydopamine-modified clay and ferric ions as the framework for pollutant-absorbing supramolecular hydrogels. <i>Langmuir</i> , 2013 , 29, 1238-44	4	79
164	Synthesis, Electronic, and Emission Spectroscopy, and Electrochromic Characterization of Azulene/fluorene Conjugated Oligomers and Polymers. <i>Macromolecules</i> , 2009 , 42, 5534-5544	5.5	78
163	Crystalline morphology and isothermal crystallization kinetics of poly(ethylene terephthalate)/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 1381-1388	2.9	75
162	Simultaneous enhancements of UV resistance and mechanical properties of polypropylene by incorporation of dopamine-modified clay. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1302-9	9.5	74
161	Triple-shape properties of star-shaped POSS-polycaprolactone polyurethane networks. <i>Soft Matter</i> , 2012 , 8, 965-972	3.6	68
160	Covalently bonded polyaniline/fullerene hybrids with coral-like morphology for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2012 , 85, 235-242	6.7	68
159	Layer-by-Layer Assembly of PEDOT:PSS and WO ₃ Nanoparticles: Enhanced Electrochromic Coloration Efficiency and Mechanism Studies by Scanning Electrochemical Microscopy. <i>Electrochimica Acta</i> , 2015 , 174, 57-65	6.7	67
158	One-pot sequential electrochemical deposition of multilayer poly(3,4-ethylenedioxythiophene):poly(4-styrenesulfonic acid)/tungsten trioxide hybrid films and their enhanced electrochromic properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2708-2717	13	64
157	MoS ₂ Nanosheets Hosted in Polydopamine-Derived Mesoporous Carbon Nanofibers as Lithium-Ion Battery Anodes: Enhanced MoS ₂ Capacity Utilization and Underlying Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24279-87	9.5	62

156	Aqueous-Only, Green Route to Self-Healable, UV-Resistant, and Electrically Conductive Polyurethane/Graphene/Lignin Nanocomposite Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3148-3157	8.3	61
155	Lignin-assisted exfoliation of molybdenum disulfide in aqueous media and its application in lithium ion batteries. <i>Nanoscale</i> , 2015 , 7, 9919-26	7.7	61
154	Enhanced Electrochromic Switching in Multilayer Thin Films of Polyaniline-Tethered Silsesquioxane Nanocage. <i>Chemistry of Materials</i> , 2009 , 21, 4434-4441	9.6	61
153	Morphology, thermal, and rheological behavior of nylon 11/multi-walled carbon nanotube nanocomposites prepared by melt compounding. <i>Polymer Engineering and Science</i> , 2009 , 49, 1063-1068	2.3	59
152	Mesoporous zinc ferrite/graphene composites: Towards ultra-fast and stable anode for lithium-ion batteries. <i>Carbon</i> , 2014 , 79, 493-499	10.4	58
151	Highly conductive graphene by low-temperature thermal reduction and in situ preparation of conductive polymer nanocomposites. <i>Nanoscale</i> , 2012 , 4, 4968-71	7.7	58
150	Polydopamine-assisted attachment of Cyclodextrin on porous electrospun fibers for water purification under highly basic condition. <i>Chemical Engineering Journal</i> , 2015 , 270, 101-109	14.7	57
149	Interfacial control and carrier tuning of carbon nanotube/polyaniline composites for high thermoelectric performance. <i>Carbon</i> , 2018 , 136, 292-298	10.4	57
148	The dopamine-Mo(VI) complexation-assisted large-scale aqueous synthesis of a single-layer MoS ₂ /carbon sandwich structure for ultrafast, long-life lithium-ion batteries. <i>Chemical Communications</i> , 2014 , 50, 9672-5	5.8	57
147	Alternately stacked metallic 1T-MoS ₂ /polyaniline heterostructure for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2017 , 330, 462-469	14.7	57
146	Star-like polyaniline prepared from octa(aminophenyl) silsesquioxane: Enhanced electrochromic contrast and electrochemical stability. <i>Electrochimica Acta</i> , 2008 , 53, 3523-3530	6.7	56
145	Layer-by-layer assembled sulfonated-graphene/polyaniline nanocomposite films: enhanced electrical and ionic conductivities, and electrochromic properties. <i>RSC Advances</i> , 2012 , 2, 10537	3.7	55
144	Layer-by-Layer Assembled Solid Polymer Electrolyte for Electrochromic Devices. <i>Chemistry of Materials</i> , 2011 , 23, 2142-2149	9.6	55
143	Polyhedral oligomeric silsesquioxanes tethered with perfluoroalkylthioether corner groups: Facile synthesis and enhancement of hydrophobicity of their polymer blends. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4740		55
142	Integration of inorganic nanostructures with polydopamine-derived carbon: tunable morphologies and versatile applications. <i>Nanoscale</i> , 2016 , 8, 1770-88	7.7	54
141	Effects of clay on polymorphism of polypropylene in polypropylene/clay nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 1810-1816	2.6	54
140	One-Pot Synthesis of Fe(III)-Polydopamine Complex Nanospheres: Morphological Evolution, Mechanism, and Application of the Carbonized Hybrid Nanospheres in Catalysis and Zn-Air Battery. <i>Langmuir</i> , 2016 , 32, 9265-75	4	53
139	High-Contrast Electrochromic Thin Films via Layer-by-Layer Assembly of Starlike and Sulfonated Polyaniline. <i>Chemistry of Materials</i> , 2010 , 22, 6085-6091	9.6	53

138	Highly stretchable, sensitive strain sensors with a wide linear sensing region based on compressed anisotropic graphene foam/polymer nanocomposites. <i>Nanoscale</i> , 2017 , 9, 17396-17404	7.7	52
137	Lightweight flexible carbon nanotube/polyaniline films with outstanding EMI shielding properties. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8694-8698	7.1	52
136	Synthesis and Self-Assembly of Donor-Spacer-Acceptor Molecules. Liquid Crystals Formed by Single-Component Complexes via Intermolecular Hydrogen-Bonding Interaction. <i>Macromolecules</i> , 2005 , 38, 1684-1690	5.5	52
135	Electrofluorochromic detection of cyanide anions using a benzothiadiazole-containing conjugated copolymer. <i>Chemical Communications</i> , 2014 , 50, 655-7	5.8	51
134	Novel glassy tetra(N-alkyl-3-bromocarbazole-6-yl)silanes as building blocks for efficient and nonaggregating blue-light-emitting tetrahedral Materials. <i>Organic Letters</i> , 2005 , 7, 2829-32	6.2	50
133	Biomass-based honeycomb-like architectures for preparation of robust carbon foams with high electromagnetic interference shielding performance. <i>Carbon</i> , 2018 , 140, 227-236	10.4	50
132	A high throughput method for preparation of highly conductive functionalized graphene and conductive polymer nanocomposites. <i>RSC Advances</i> , 2012 , 2, 2208	3.7	49
131	Enhancement of Electrochromic Contrast by Tethering Conjugated Polymer Chains onto Polyhedral Oligomeric Silsesquioxane Nanocages. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 281-285	4.8	49
130	Facile synthesis of porous CoFe ₂ O ₄ nanosheets for lithium-ion battery anodes with enhanced rate capability and cycling stability. <i>RSC Advances</i> , 2014 , 4, 27488-27492	3.7	48
129	Black-to-transmissive electrochromism of azulene-based donor-acceptor copolymers complemented by poly(4-styrene sulfonic acid)-doped poly(3,4-ethylenedioxythiophene). <i>Organic Electronics</i> , 2013 , 14, 2748-2755	3.5	48
128	Rapid one-pot electrodeposition of polyaniline/manganese dioxide hybrids: a facile approach to stable high-performance anodic electrochromic materials. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1758-1766	7.1	47
127	Tunable crack propagation behavior in carbon fiber reinforced plastic laminates with polydopamine and graphene oxide treated fibers. <i>Materials and Design</i> , 2017 , 113, 68-75	8.1	46
126	Covalent bonding of polyaniline on fullerene: Enhanced electrical, ionic conductivities and electrochromic performances. <i>Electrochimica Acta</i> , 2012 , 67, 194-200	6.7	44
125	Nano-hybrid luminescent dot: synthesis, characterization and optical properties. <i>Journal of Materials Chemistry</i> , 2006 , 16, 829-836		44
124	Materials design towards sport textiles with low-friction and moisture-wicking dual functions. <i>Materials and Design</i> , 2015 , 88, 82-87	8.1	43
123	Dopamine-assisted one-pot synthesis of zinc ferrite-embedded porous carbon nanospheres for ultrafast and stable lithium ion batteries. <i>Chemical Communications</i> , 2014 , 50, 14597-600	5.8	40
122	Synthesis of ultrahighly electron-deficient pyrrolo[3,4-d]pyridazine-5,7-dione by inverse electron demand Diels-Alder reaction and its application as electrochromic materials. <i>Organic Letters</i> , 2014 , 16, 6386-9	6.2	40
121	Sheet-Like Lignin Particles as Multifunctional Fillers in Polypropylene. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4997-5004	8.3	40

120	A biomimetic approach to improve the dispersibility, interfacial interactions and toughening effects of carbon nanofibers in epoxy composites. <i>Composites Part B: Engineering</i> , 2017 , 113, 197-205	10	39
119	Polydopamine-assisted synthesis of hollow NiCo ₂ O ₄ nanospheres as high-performance lithium ion battery anodes. <i>RSC Advances</i> , 2014 , 4, 37928	3.7	39
118	High ionic conductivity P(VDF-TrFE)/PEO blended polymer electrolytes for solid electrochromic devices. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13319-26	3.6	39
117	Ultrafast-Freezing-Assisted Mild Preparation of Biomass-Derived, Hierarchically Porous, Activated Carbon Aerogels for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 403-411	8.3	39
116	A Comparative Study on Luminescent Copolymers of Fluorene and Carbazole with Conjugated or π - π Interrupted Structures: Steric Effects. <i>Macromolecules</i> , 2006 , 39, 1397-1402	5.5	38
115	Polymer/MOF-derived multilayer fibrous membranes for moisture-wicking and efficient capturing both fine and ultrafine airborne particles. <i>Separation and Purification Technology</i> , 2020 , 235, 116183	8.3	38
114	Porous polyaniline/carbon nanotube composite electrode for supercapacitors with outstanding rate capability and cyclic stability. <i>Composites Part B: Engineering</i> , 2019 , 165, 671-678	10	38
113	Robust Lignin-Based Aerogel Filters: High-Efficiency Capture of Ultrafine Airborne Particulates and the Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6959-6968	8.3	37
112	Graphene nanoscroll/nanosheet aerogels with confined SnS ₂ nanosheets: simultaneous wrapping and bridging for high-performance lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2018 , 278, 156-164	6.7	37
111	Conductivities enhancement of poly(3,4-ethylenedioxythiophene)/poly(styrene sulfonate) transparent electrodes with diol additives. <i>Polymer Bulletin</i> , 2013 , 70, 237-247	2.4	37
110	Star-like polyurethane hybrids with functional cubic silsesquioxanes: Preparation, morphology, and thermomechanical properties. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 4602-4616	2.5	37
109	Thermal conductivity, electrical resistivity, mechanical, and rheological properties of thermoplastic composites filled with boron nitride and carbon fiber. <i>Polymer Composites</i> , 2005 , 26, 66-73	3	37
108	Polydopamine-derived porous nanofibers as host of ZnFe ₂ O ₄ nanoneedles: towards high-performance anodes for lithium-ion batteries. <i>RSC Advances</i> , 2015 , 5, 13315-13323	3.7	36
107	Thermally Stable Blue-Light-Emitting Hybrid Organic/Inorganic Polymers Derived from Cyclotriphosphazene. <i>Macromolecules</i> , 2008 , 41, 9624-9636	5.5	36
106	Catalytic and reinforcing effects of polyhedral oligomeric silsesquioxane (POSS)-imidazolium modified clay in an anhydride-cured epoxy. <i>Polymer</i> , 2011 , 52, 1975-1982	3.9	35
105	Poly(vinylidene fluoride) nanofibrous mats with covalently attached SiO ₂ nanoparticles as an ionic liquid host: enhanced ion transport for electrochromic devices and lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16040-16049	13	34
104	A complementary electrochromic device based on polyaniline-tethered polyhedral oligomeric silsesquioxane and tungsten oxide. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 625-629	6.4	34
103	Synthesis and characterisation of main-chain hydrogen-bonded supramolecular liquid crystalline complexes formed by azo-containing compounds. <i>Liquid Crystals</i> , 2008 , 35, 241-251	2.3	32

102	Understanding the Synergistic Effects of Cobalt Single Atoms and Small Nanoparticles: Enhancing Oxygen Reduction Reaction Catalytic Activity and Stability for Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2104735	15.6	32
101	A complementary electrochromic device based on polyaniline tethered polyhedral oligomeric silsesquioxane and poly(3,4-ethylenedioxythiophene)/poly(4-styrene sulfonic acid). <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 2113-2117	6.4	31
100	Lignin-derived carbon nanosheets for high-capacitance supercapacitors. <i>RSC Advances</i> , 2017 , 7, 48537-48543	9.7	30
99	The characteristics and formation mechanisms of emissions from thermal decomposition of 3D printer polymer filaments. <i>Science of the Total Environment</i> , 2019 , 692, 984-994	10.2	29
98	Zinc ferrite nanorods coated with polydopamine-derived carbon for high-rate lithium ion batteries. <i>Electrochimica Acta</i> , 2014 , 146, 464-471	6.7	29
97	Polymorphism behavior of poly(ethylene naphthalate)/clay nanocomposites: role of clay surface modification. <i>Langmuir</i> , 2007 , 23, 1701-10	4	29
96	A generic approach for preparing core-shell carbon-metal oxide nanofibers: morphological evolution and its mechanism. <i>Chemical Communications</i> , 2010 , 46, 8773-5	5.8	28
95	Electrostatic force-driven anchoring of Ni(OH) ₂ nanocrystallites on single-layer MoS ₂ for high-performance asymmetric hybrid supercapacitors. <i>Electrochimica Acta</i> , 2019 , 320, 134591	6.7	27
94	Chemically cross-linked ultrathin electrospun poly(vinylidene fluoride-co-hexafluoropropylene) nanofibrous mats as ionic liquid host in electrochromic devices. <i>Polymer</i> , 2014 , 55, 1520-1526	3.9	27
93	Toward electrochromic device using solid electrolyte with polar polymer host. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 8006-10	3.4	26
92	Thermal kinetics of montmorillonite nanoclay/maleic anhydride-modified polypropylene nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 17-25	4.1	25
91	A highly bendable transparent electrode for organic electrochromic devices. <i>Organic Electronics</i> , 2019 , 66, 86-93	3.5	25
90	Ultrahigh electron-deficient pyrrolo-acenaphtho-pyridazine-dione based donor-acceptor conjugated polymers for electrochromic applications. <i>Polymer Chemistry</i> , 2015 , 6, 7570-7579	4.9	24
89	Electrospun poly(vinylidene fluoride) copolymer/octahydroxy-polyhedral oligomeric silsesquioxane nanofibrous mats as ionic liquid host: enhanced salt dissociation and its function in electrochromic device. <i>Electrochimica Acta</i> , 2014 , 146, 224-230	6.7	24
88	Sulfonic Acid- and Lithium Sulfonate-Grafted Poly(Vinylidene Fluoride) Electrospun Mats As Ionic Liquid Host for Electrochromic Device and Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16548-57	9.5	23
87	Highly Stable and Rapid Switching Electrochromic Thin Films Based on Metal-Organic Frameworks with Redox-Active Triphenylamine Ligands. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7442-7450	9.5	23
86	A nanocrystalline tungsten oxide electrochromic coating with excellent cycling stability prepared via a complexation-assisted sol-gel method. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8041-8051	7.1	23
85	Facile preparation of aqueous suspensions of WO ₃ /sulfonated PEDOT hybrid nanoparticles for electrochromic applications. <i>Chemical Communications</i> , 2016 , 52, 9379-82	5.8	23

84	Polyaniline nanoparticles doped with star-like poly(styrene sulfonate): Synthesis and electrochromic properties. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 99, 141-147	6.4	23
83	Near-infrared responsive conjugated polymers to 1.5 μ m and beyond: synthesis and electrochromic switching application. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 431-6	4.8	23
82	Nanocups-on-microtubes: a unique host towards high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15191-15199	13	22
81	Toughening of epoxies by covalently anchoring triazole-functionalized stacked-cup carbon nanofibers. <i>Composites Science and Technology</i> , 2013 , 85, 1-9	8.6	22
80	Self-assembly behaviors of telechelic poly(styrene-ran-sodium styrenesulfonate) with polyhedral oligomeric silsesquioxane as end groups. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1929-35	3.4	22
79	One-dimensional carbon β nO ₂ and SnO ₂ nanostructures via single-spinneret electrospinning: tunable morphology and the underlying mechanism. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15928		22
78	Enhancement of electrochromic contrast by tethering polyaniline onto cyclotriphosphazene. <i>European Polymer Journal</i> , 2009 , 45, 772-778	5.2	22
77	Deformation mechanisms of nanoclay-reinforced maleic anhydride-modified polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 2759-2768	2.6	22
76	Nacre-like composite films based on mussel-inspired glue and nanoclay. <i>RSC Advances</i> , 2014 , 4, 1425-1431	3.7	21
75	Packing behaviors of structurally different polyhedral oligomeric silsesquioxane-imidazolium surfactants in clay. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 207-14	3.4	21
74	Electrospun dual-layer mats with covalently bonded ZnO nanoparticles for moisture wicking and antibacterial textiles. <i>Materials and Design</i> , 2017 , 134, 54-63	8.1	20
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