

Xuehong Lu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1328153/xuehong-lu-publications-by-year.pdf>

Version: 2024-04-24

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

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

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	The crystallization of decanoic acid/dopamine supramolecular self-assemblies in the presence of coacervates.. <i>Journal of Colloid and Interface Science</i> , 2022 , 615, 759-767	9.3	
208	Robust microhoneycomb-like nanofibrous aerogels derived from cellulose and lignin as highly efficient, low-resistant and anti-clogging air filters. <i>Journal of Membrane Science</i> , 2022 , 642, 119977	9.6	3
207	Sustainable-Macromolecule-Assisted Preparation of Cross-linked, Ultralight, Flexible Graphene Aerogel Sensors toward Low-Frequency Strain/Pressure to High-Frequency Vibration Sensing.. <i>Small</i> , 2022 , e2202047	11	3
206	Facile anchoring mussel adhesive mimic tentacles on biodegradable polymer cargo carriers via self-assembly for microplastic-free cosmetics.. <i>Journal of Colloid and Interface Science</i> , 2021 , 612, 13-22	9.3	1
205	Strong Interface via Weak Interactions: Ultratough and Malleable Polylactic acid/Polyhydroxybutyrate Biocomposites. <i>Macromolecular Rapid Communications</i> , 2021 , e2100619	4.8	4
204	Metal-Organic Framework-Based Flexible Devices with Simultaneous Electrochromic and Electrofluorochromic Functions. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 1489-1495	4	3
203	Polymeric one-side conductive Janus separator with preferably oriented pores for enhancing lithium metal battery safety. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3409-3417	13	4
202	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
201	Transparent low-voltage-driven soft actuators with silver nanowires Joule heaters. <i>Polymer Chemistry</i> , 2021 , 12, 5251-5256	4.9	4
200	Construction of Organic Optoelectronic Materials by Using Polyhedral Oligomeric Silsesquioxanes (POSS) 2020 , 167-200		1
199	Hybrid POSS Nanocomposites 2020 , 201-237		2
198	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
197	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
196	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
195	Polymer-Assisted Fabrication of Silver Nanowire Cellular Monoliths: Toward Hydrophobic and Ultraflexible High-Performance Electromagnetic Interference Shielding Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38584-38592	9.5	19
194	Facile preparation of cross-linked lignin for efficient adsorption of dyes and heavy metal ions. <i>Reactive and Functional Polymers</i> , 2019 , 143, 104336	4.6	18
193	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

192	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
191	Overcome the Conflict between Strength and Toughness in Poly(lactide) Nanocomposites through Tailoring Matrix-Filler Interface. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800047	4.8	15
190	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
189	Highly porous polymer nanofibrous aerogels cross-linked via spontaneous inter-fiber stereocomplexation and their potential for capturing ultrafine airborne particles. <i>Polymer</i> , 2019 , 179, 121649	3.9	10
188	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
187	Mussel-inspired approach to cross-linked functional 3D nanofibrous aerogels for energy-efficient filtration of ultrafine airborne particles. <i>Applied Surface Science</i> , 2019 , 479, 700-708	6.7	20
186	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
185	A highly bendable transparent electrode for organic electrochromic devices. <i>Organic Electronics</i> , 2019 , 66, 86-93	3.5	25
184	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
183	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
182	Interfacial control and carrier tuning of carbon nanotube/polyaniline composites for high thermoelectric performance. <i>Carbon</i> , 2018 , 136, 292-298	10.4	57
181	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
180	Mussel-inspired facile synthesis of Fe/Co-polydopamine complex nanospheres: complexation mechanism and application of the carbonized hybrid nanospheres as an efficient bifunctional electrocatalyst. <i>New Journal of Chemistry</i> , 2018 , 42, 19494-19504	3.6	4
179	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
178	Self-Assembly-Assisted Facile Synthesis of MoS ₂ -Based Hybrid Tubular Nanostructures for Efficient Bifunctional Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23731-23739	9.5	17
177	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 ⁴⁷	7.1	47
176	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
175	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

174	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
173	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
172	Lignin-derived carbon nanosheets for high-capacitance supercapacitors. <i>RSC Advances</i> , 2017 , 7, 48537-48543	9.7	30
171	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
170	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
169	Alternately stacked metallic 1T-MoS ₂ /polyaniline heterostructure for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2017 , 330, 462-469	14.7	57
168	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
167	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
166	Cross-linking SixOy Cages with Carbon by Thermally Annealing Polyhedral Oligomeric Silsesquioxane: Structures, Morphology, and Electrochemical Properties as Lithium-Ion Battery Anodes. <i>ChemElectroChem</i> , 2017 , 4, 49-55	4.3	3
165	Fracture Toughness and Elastic Modulus of Epoxy-Based Nanocomposites with Dopamine-Modified Nano-Fillers. <i>Materials</i> , 2017 , 10,	3.5	9
164	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
163	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
162	One-pot synthesis of polydopamine-Zn complex antifouling coatings on membranes for ultrafiltration under harsh conditions. <i>RSC Advances</i> , 2016 , 6, 103390-103398	3.7	17
161	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
160	Integration of inorganic nanostructures with polydopamine-derived carbon: tunable morphologies and versatile applications. <i>Nanoscale</i> , 2016 , 8, 1770-88	7.7	54
159	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
158	Sheet-Like Lignin Particles as Multifunctional Fillers in Polypropylene. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4997-5004	8.3	40
157	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

156	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
155	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
154	Red-to-black electrochromism of 4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-embedded conjugated polymers. <i>Journal of Materials Science</i> , 2015 , 50, 5856-5864	4.3	12
153	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
152	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
151	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
150	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
149	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
148	Enhanced fracture toughness of carbon fabric/epoxy laminates with pristine and functionalized stacked-cup carbon nanofibers. <i>Engineering Fracture Mechanics</i> , 2015 , 148, 73-81	4.2	12
147	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
146	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
145	Advances in Polymer Electrolytes for Electrochromic Applications 2015 , 289-310		1
144	Nanostructures in Electrochromic Materials 2015 , 249-288		
143	Dithienothiophene-Based Triphenylamine-Containing Branched Copolymers for Electrochromic Applications. <i>ChemPlusChem</i> , 2015 , 80, 1306-1311	2.8	5
142	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
141	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
140	A poly(3,4-ethylenedioxythiophene):poly(styrene sulfonic acid)/titanium oxide nanocomposite film synthesized by sol-gel assisted electropolymerization for electrochromic application. <i>Thin Solid Films</i> , 2015 , 584, 353-358	2.2	11
139	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

138	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
137	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
136	Shape memory polyurethane with polydopamine-coated nanosheets: Simultaneous enhancement of recovery stress and strain recovery ratio and the underlying mechanisms. <i>European Polymer Journal</i> , 2014 , 57, 11-21	5.2	12
135	Electrofluorochromic detection of cyanide anions using a nanoporous polymer electrode and the detection mechanism. <i>Chemistry - A European Journal</i> , 2014 , 20, 13226-33	4.8	19
134	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
133	Electrofluorochromic detection of cyanide anions using a benzothiadiazole-containing conjugated copolymer. <i>Chemical Communications</i> , 2014 , 50, 655-7	5.8	51
132	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
131	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
130	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
129	Nacre-like composite films based on mussel-inspired blue and nanoclay. <i>RSC Advances</i> , 2014 , 4, 1425-1431	3.7	21
128	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
127	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
126	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
125	Multi-walled Carbon Nanotubes Modified ZnO Nanorods: a Photoanode for Photoelectrochemical Cell. <i>Electrochimica Acta</i> , 2014 , 143, 188-195	6.7	17
124	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
123	From waste to functional additive: toughening epoxy resin with lignin. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5810-7	9.5	130
122	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
121	Influence of hydrothermal exposure on surface characteristics and corrosion behaviors of anodized titanium. <i>Surface and Interface Analysis</i> , 2014 , 46, 307-313	1.5	4

120	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
119	CuInZnS-decorated graphene as a high-rate durable anode for lithium-ion batteries. <i>Journal of Power Sources</i> , 2014 , 257, 90-95	8.9	13
118	Reinforcing nylon 6 via surface-initiated anionic ring-opening polymerization from stacked-cup carbon nanofibers. <i>Composites Science and Technology</i> , 2014 , 93, 30-37	8.6	12
117	Growth of rutile TiO ₂ on the convex surface of nanocylinders: from nanoneedles to nanorods and their electrochemical properties. <i>Nanoscale</i> , 2014 , 6, 4352-60	7.7	14
116	In Situ Preparation of Conducting Polymer Nanocomposites 2014 , 211-240		
115	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
114	A review on the mechanical methods for evaluating coating adhesion. <i>Acta Mechanica</i> , 2014 , 225, 431-452	5.1	79
113	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
112	A rocket-like encapsulation and delivery system with two-stage booster layers: pH-responsive poly(methacrylic acid)/poly(ethylene glycol) complex-coated hollow silica vesicles. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1563-8	4.8	13
111	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
110	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
109	Temperature and pH Dual-Responsive Behavior of Dendritic Poly(N-isopropylacrylamide) with a Poly(oligomeric silsesquioxane) Core and Poly(2-hydroxyethyl methacrylate) Shell. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 396-404	2.6	8
108	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
107	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
106	Synthesis of poly(aniline-co-3-amino-4-hydroxybenzoic acid) and its enhanced redox activity under highly basic conditions. <i>Electrochimica Acta</i> , 2013 , 97, 112-119	6.7	16
105	Poly(ethylene terephthalate)/clay nanocomposites with trisilanolphenyl polyhedral oligomeric silsesquioxane as dispersant: simultaneously enhanced reinforcing and stabilizing effects. <i>Polymer International</i> , 2013 , 62, 1492-1499	3.3	9
104	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
103	Polydopamine-coated graphene as multifunctional nanofillers in polyurethane. <i>RSC Advances</i> , 2013 , 3, 6377	3.7	82

102	Polydopamine spheres as active templates for convenient synthesis of various nanostructures. <i>Small</i> , 2013 , 9, 596-603	11	255
101	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
100	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
99	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
98	Silicon nanoparticles encapsulated in hollow graphitized carbon nanofibers for lithium ion battery anodes. <i>Nanoscale</i> , 2013 , 5, 2967-73	7.7	157
97	Electrospinning-Derived Hairy Seaweed and Its Photoelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10106-10113	3.8	11
96	Near-infrared responsive conjugated polymers to 1.5 μm and beyond: synthesis and electrochromic switching application. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 431-6	4.8	23
95	Covalent bonding of polyaniline on fullerene: Enhanced electrical, ionic conductivities and electrochromic performances. <i>Electrochimica Acta</i> , 2012 , 67, 194-200	6.7	44
94	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
93	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
92	Triple-shape properties of star-shaped POSS-polycaprolactone polyurethane networks. <i>Soft Matter</i> , 2012 , 8, 965-972	3.6	68
91	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
90	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
89	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
88	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
87	Covalently bonded polyaniline/fullerene hybrids with coral-like morphology for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2012 , 85, 235-242	6.7	68
86	Polymorphism of electrospun polyvinylidene difluoride/carbon nanotube (CNT) nanocomposites: Synergistic effects of CNT surface chemistry, extensional force and supercritical carbon dioxide treatment. <i>Polymer</i> , 2012 , 53, 5097-5102	3.9	19
85	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

84	Simultaneous catalyzing and reinforcing effects of imidazole-functionalized graphene in anhydride-cured epoxies. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18395		80
83	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
82	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
81	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
80	Hybrid materials and polymer electrolytes for electrochromic device applications. <i>Advanced Materials</i> , 2012 , 24, 4071-96	24	552
79	Hybrid Materials and Polymer Electrolytes for Electrochromic Device Applications (Adv. Mater. 30/2012). <i>Advanced Materials</i> , 2012 , 24, 4070-4070	24	5
78	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
77	Temperature and pH dual-responsive behavior of polyhedral oligomeric silsesquioxane-based star-block copolymer with poly(acrylic acid-block-N-isopropylacrylamide) as arms. <i>Colloid and Polymer Science</i> , 2012 , 290, 507-515	2.4	20
76	Investigation of thermomechanical properties and matrix/filler interaction on polyimide/graphene oxide composites. <i>Polymer Engineering and Science</i> , 2012 , 52, 2530-2536	2.3	19
75	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
74	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
73	Some recent developments of polyhedral oligomeric silsesquioxane (POSS)-based polymeric materials. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2775-2782		212
72	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
71	Preparation of Highly Crystalline Poly(2,5-dimethoxyaniline) Nanoplates Using a Soft-Template Method and Their Structural Characterization. <i>Australian Journal of Chemistry</i> , 2011 , 64, 1196	1.2	5
70	Assembly of graphene sheets into hierarchical structures for high-performance energy storage. <i>ACS Nano</i> , 2011 , 5, 3831-8	16.7	364
69	pH-responsive poly(methacrylic acid)-grafted hollow silica vesicles. <i>Chemistry - A European Journal</i> , 2011 , 17, 2504-9	4.8	18
68	One-dimensional carbon/SnO 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
67	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

66	Layer-by-Layer Assembled Solid Polymer Electrolyte for Electrochromic Devices. <i>Chemistry of Materials</i> , 2011 , 23, 2142-2149	9.6	55
65	Thermal stability of ionic liquid-loaded electrospun poly(vinylidene fluoride) membranes and its influences on performance of electrochromic devices. <i>Journal of Membrane Science</i> , 2011 , 376, 283-289	9.6	20
64	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
63	Covalent Incorporation of Ethylenediamine Ligands in the Framework of Periodic Mesoporous Organosilica Nanostructure. <i>Soft Materials</i> , 2010 , 8, 183-196	1.7	4
62	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
61	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
60	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
59	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
58	Synthesis and optical characteristics of organic light-emitting dot based on well-defined octa-functionalized silsesquioxane. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 2787-2798	2.3	3
57	Supercritical Carbon Dioxide-Treated Electrospun Poly(vinylidene fluoride) Nanofibrous Membranes: Morphology, Structures and Properties as an Ionic-Liquid Host. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1779-84	4.8	14
56	Facile fabrication of polystyrene/carbon nanotube composite nanospheres with core-shell structure via self-assembly. <i>Polymer</i> , 2010 , 51, 3715-3721	3.9	20
55	Grafting polyamide 6 onto multi-walled carbon nanotubes using microwave irradiation. <i>Polymer International</i> , 2010 , 59, 1346-1349	3.3	5
54	ORGANIC/INORGANIC HYBRID NANOPARTICLES WITH QUANTUM CONFINEMENT EFFECT. <i>International Journal of Nanoscience</i> , 2009 , 08, 185-190	0.6	1
53	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
52	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
51	Thermally stable red electroluminescent hybrid polymers derived from functionalized silsesquioxane and 4,7-bis(3-ethylhexyl-2-thienyl)-2,1,3-benzothiadiazole. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 5661-5670	2.5	10
50	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
49	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

48	Enhancement of electrochromic contrast by tethering polyaniline onto cyclotriphosphazene. <i>European Polymer Journal</i> , 2009 , 45, 772-778	5.2	22
47	Oriented clay-induced anisotropic crystalline morphology in poly(ethylene naphthalate)/clay nanocomposites and its impact on mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 423-430	8.4	5
46	Enhanced Electrochromic Switching in Multilayer Thin Films of Polyaniline-Tethered Silsesquioxane Nanocage. <i>Chemistry of Materials</i> , 2009 , 21, 4434-4441	9.6	61
45	Toward electrochromic device using solid electrolyte with polar polymer host. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 8006-10	3.4	26
44	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
43	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
42	Finer structures of polyelectrolyte multilayers reflected by solution (1)H NMR. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 13218-24	3.4	8
41	Thermally Stable Blue-Light-Emitting Hybrid Organic-Inorganic Polymers Derived from Cyclotriphosphazene. <i>Macromolecules</i> , 2008 , 41, 9624-9636	5.5	36
40	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
39	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
38	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
37	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
36	Polymorphism behavior of poly(ethylene naphthalate)/clay nanocomposites: role of clay surface modification. <i>Langmuir</i> , 2007 , 23, 1701-10	4	29
35	Atomic Force Microscopic Observations on the Crystalline Morphology of Poly(ethylene naphthalate)/Clay Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 1789-1796	2.6	1
34	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
33	Morphology, polymorphism behavior and molecular orientation of electrospun poly(vinylidene fluoride) fibers. <i>Polymer</i> , 2007 , 48, 512-521	3.9	302
32	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
31	Enhanced Functional and Structural Characteristics of Poly(vinylidene-trifluoroethylene) Copolymer Thin Films by Corona Poling. <i>Journal of the Electrochemical Society</i> , 2007 , 154, G224	3.9	16

30	Synthesis of poly(ethylene terephthalate)/clay nanocomposites using aminododecanoic acid-modified clay and a bifunctional compatibilizer. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 1057-1064	2.9	16
29	Poly(ethylene terephthalate)/clay nanocomposites based on aminododecanoic acid-modified clay: effect of compatibilizer reactivity on clay dispersion. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3981-4	1.3	2
28	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
27	Nano-hybrid luminescent dot: synthesis, characterization and optical properties. <i>Journal of Materials Chemistry</i> , 2006 , 16, 829-836		44
26	Blends of polyimide and dodecylbenzene sulfonic acid-doped polyaniline: Effects of polyimide structure on electrical conductivity and its thermal degradation. <i>Synthetic Metals</i> , 2006 , 156, 117-123	3.6	12
25	Poly(ethylene naphthalate)/clay nanocomposites based on thermally stable trialkylimidazolium-treated montmorillonite: thermal and dynamic mechanical properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3985-8	1.3	4
24	Polymorphism behavior of poly(ethylene naphthalate)/clay nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1040-1049	2.6	9
23	Synthesis and Self-Assembly of Donor-Spacer-Acceptor Molecules. Liquid Crystals Formed by Single-Component π -Complexes via Intermolecular Hydrogen-Bonding Interaction. <i>Macromolecules</i> , 2005 , 38, 1684-1690	5.5	52
22	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
21	A new liquid crystalline polymer based processing aid and its effects on micro-molding process. <i>Journal of Materials Processing Technology</i> , 2005 , 168, 308-315	5.3	7
20	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
19	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
18	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
17	Structures and properties of liquid-crystalline polymers based on laterally attached oligo p-phenylenes. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 3394-3402	2.5	9
16	Synthesis of main-chain hydrogen-bonded supramolecular liquid crystalline complexes: The effects of spacer on thermal behavior of mesophase. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 4731-4743	2.5	20
15	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
14	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
13	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

12	Viscosity-reducing effects of two semiflexible liquid-crystalline polyesters with different chain rigidities in a matrix of polycarbonate. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 960-969	2.9	3
11	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
10	Effect of interfacial interaction on rheological behavior of blends of a semiflexible liquid-crystalline polyester and polycarbonate. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 3051-3058	2.9	4
9	Crystallization and Phase Behaviors of Multicomponent Supramolecular Complexes through Hydrogen-Bonding Association. <i>Macromolecules</i> , 2003 , 36, 5195-5200	5.5	19
8	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
7	Self-Assembly of a Hydrogen-Bonded Association Chain Liquid Crystalline Polymer (LCP). <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 85-88	2.6	13
6	Morphology and structures of polypropylene-aliphatic polyketone blends. <i>Plastics, Rubber and Composites</i> , 2002 , 31, 147-150	1.5	4
5	Polyesters based on hydroxybenzoic acid, hydroquinone, sebacic acid, and suberic acid Molecular design towards broad nematic range. <i>Plastics, Rubber and Composites</i> , 2002 , 31, 283-288	1.5	2
4	Intermolecular Interaction in Multicomponent Supramolecular Complexes through Hydrogen-Bonding Association. <i>Macromolecules</i> , 2002 , 35, 8846-8851	5.5	17
3	Electrical conductivity of polyaniline β -dodecylbenzene sulphonic acid complex: thermal degradation and its mechanism. <i>Synthetic Metals</i> , 2002 , 128, 167-178	3.6	110
2	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
1	Polypropylene/Clay Nanocomposites 251-282		