

List of Publications by Year in
Descending Order

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

192 papers	6,083 citations	40 h-index	70 g-index
202 ext. papers	7,095 ext. citations	7.9 avg, IF	6.28 L-index

#	Paper	IF	Citations
192	Boundary curvature guided programmable shape-morphing kirigami sheets.. <i>Nature Communications</i> , 2022 , 13, 530	17.4	8
191	Bistable and Multistable Actuators for Soft Robots: Structures, Materials, and Functionalities.. <i>Advanced Materials</i> , 2022 , e2110384	24	17
190	Wavelength-Selective Photocycloadditions of Styryl-Anthracene.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200055	4.8	0
189	The Evolution of Self-Wrinkles in a Single-Layer Gradient Polymer Film Based on Viscoelasticity. <i>Macromolecules</i> , 2022 , 55, 3563-3572	5.5	3
188	On-Demand Solar and Thermal Radiation Management Based on Switchable Interwoven Surfaces. <i>ACS Energy Letters</i> , 2022 , 7, 1758-1763	20.1	4
187	3D Transformable Modular Kirigami Based Programmable Metamaterials (Adv. Funct. Mater. 43/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170321	15.6	3
186	Shape-morphing materials and structures for energy-efficient building envelopes. <i>Materials Today Energy</i> , 2021 , 22, 100874	7	3
185	Geometric mechanics of folded kirigami structures with tunable bandgap. <i>Extreme Mechanics Letters</i> , 2021 , 49, 101483	3.9	0
184	Light-Induced Programmable 2D Ordered Patterns Based on a Hyperbranched Poly(ether amine) (hPEA)-Functionalized Graphene Film. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1704-1713	9.5	2
183	Photo-Oxidation-Controlled Surface Pattern with Responsive Wrinkled Topography and Fluorescence. <i>Chemistry - A European Journal</i> , 2021 , 27, 5810-5816	4.8	1
182	Regulating the Interlayer Spacing of 2D Lamellar Polymeric Membranes via Molecular Engineering of 2D Nanosheets. <i>Macromolecules</i> , 2021 , 54, 4423-4431	5.5	3
181	Microstructural design for mechanical-optical multifunctionality in the exoskeleton of the flower beetle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
180	3D Transformable Modular Kirigami Based Programmable Metamaterials. <i>Advanced Functional Materials</i> , 2021 , 31, 2105641	15.6	8
179	Micropatterns Fabricated by Photodimerization-Induced Diffusion. <i>Advanced Materials</i> , 2021 , 33, e2007699	29.9	6
178	Aminoesterenamide Achieved by Three-Component Reaction Heading toward Tailoring Covalent Adaptable Network with Great Freedom. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100394	4.8	0
177	Metamorphosis of three-dimensional kirigami-inspired reconfigurable and reprogrammable architected matter. <i>Materials Today Physics</i> , 2021 , 21, 100511	8	4
176	Leveraging elastic instabilities for amplified performance: Spine-inspired high-speed and high-force soft robots. <i>Science Advances</i> , 2020 , 6, eaaz6912	14.3	98

175	Regulating surface wrinkles using light. <i>National Science Review</i> , 2020 , 7, 1247-1257	10.8	10
174	Leveraging Monostable and Bistable Pre-Curved Bilayer Actuators for High-Performance Multitask Soft Robots. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000370	6.8	22
173	A supramolecular polymeric photoinitiator with enhanced dispersion in photo-curing systems. <i>Polymer Chemistry</i> , 2020 , 11, 1885-1893	4.9	4
172	Hierarchical 3D Patterns with Dynamic Wrinkles Produced by a Photocontrolled Diels-Alder Reaction on the Surface. <i>Advanced Materials</i> , 2020 , 32, e1906712	24	25
171	Photodynamic Pattern Memory Surfaces with Responsive Wrinkled and Fluorescent Patterns. <i>Advanced Science</i> , 2020 , 7, 2002372	13.6	6
170	Deciphering, Designing, and Realizing Self-Folding Biomimetic Microstructures Using a Mass-Spring Model and Inkjet-Printed, Self-Folding Hydrogels. <i>Advanced Functional Materials</i> , 2020 , 30, 2003959	15.6	4
169	Realizing Dynamic Diffraction Gratings Based on Light-Direct Writing of Responsive 2D Ordered Patterns 2020 , 2, 1135-1141		4
168	Kirigami-Inspired Stretchable Conjugated Electronics. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900929	6.4	9
167	Dynamic Structural Color from Wrinkled Thin Films. <i>Advanced Optical Materials</i> , 2020 , 8, 2000234	8.1	14
166	Cephalopod-inspired versatile design based on plasmonic VO ₂ nanoparticle for energy-efficient mechano-thermochromic windows. <i>Nano Energy</i> , 2020 , 73, 104785	17.1	42
165	Dynamic wrinkling pattern exhibiting tunable fluorescence for anticounterfeiting applications. <i>Nature Communications</i> , 2020 , 11, 1811	17.4	55
164	Structure-Mechanical Property Relations of Skin-Core Regions of Poly(p-phenylene terephthalamide) Single Fiber. <i>Scientific Reports</i> , 2019 , 9, 740	4.9	4
163	9,10-Dithio/oxo-Anthracene as a Novel Photosensitizer for Photoinitiator Systems in Photoresists. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900152	2.6	4
162	Pattern Memory Surface (PMS) with Dynamic Wrinkles for Unclonable Anticounterfeiting 2019 , 1, 77-82		17
161	Interfacial Activity of Amine-Functionalized Polyhedral Oligomeric Silsesquioxanes (POSS): A Simple Strategy To Structure Liquids. <i>Angewandte Chemie</i> , 2019 , 131, 10248-10253	3.6	7
160	Nanoparticle-Infused UHMWPE Layer as Multifunctional Coating for High-Performance PPTA Single Fibers. <i>Scientific Reports</i> , 2019 , 9, 7183	4.9	1
159	Interfacial Activity of Amine-Functionalized Polyhedral Oligomeric Silsesquioxanes (POSS): A Simple Strategy To Structure Liquids. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10142-10147	16.4	16
158	Smart Patterned Surface with Dynamic Wrinkles. <i>Accounts of Chemical Research</i> , 2019 , 52, 1025-1035	24.3	57

157	Dynamic Interpenetrating Polymer Network (IPN) Strategy for Multiresponsive Hierarchical Pattern of Reversible Wrinkle. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15977-15985	9.5	17
156	Adaptive Thermochromic Windows from Active Plasmonic Elastomers. <i>Joule</i> , 2019 , 3, 858-871	27.8	76
155	Mechanical properties of stingray tesserae: High-resolution correlative analysis of mineral density and indentation moduli in tessellated cartilage. <i>Acta Biomaterialia</i> , 2019 , 96, 421-435	10.8	12
154	Free-Standing Buckle-Delaminated 2D Organic Nanosheets with Enhanced Mechanical Properties and Multifunctionality. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900561	4.6	5
153	2D Organic Nanosheets: Free-Standing Buckle-Delaminated 2D Organic Nanosheets with Enhanced Mechanical Properties and Multifunctionality (Adv. Mater. Interfaces 17/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970111	4.6	1
152	Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond. <i>Advanced Energy Materials</i> , 2019 , 9, 1902066	21.8	216
151	Smart Windows: Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond (Adv. Energy Mater. 39/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970153	21.8	5
150	Light-Written Reversible 3D Fluorescence and Topography Dual-Pattern with Memory and Self-Healing Abilities. <i>Research</i> , 2019 , 2019, 2389254	7.8	8
149	Revisiting Acetoacetyl Chemistry to Build Malleable Cross-Linked Polymer Networks via Transamidation. <i>ACS Macro Letters</i> , 2019 , 8, 233-238	6.6	23
148	Exploring multiple functions of diarylsemipinacol linked to the saturated ethylene-propylene elastomer: from the dynamic covalent networks to tailoring its macroscopic performance. <i>Polymer Chemistry</i> , 2019 , 10, 6157-6165	4.9	5
147	Programmable active kirigami metasheets with more freedom of actuation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	52
146	Reversible Surface Dual-Pattern with Simultaneously Dynamic Wrinkled Topography and Fluorescence. <i>ACS Macro Letters</i> , 2018 , 7, 540-545	6.6	30
145	Kirigami-Inspired Nanoconfined Polymer Conducting Nanosheets with 2000% Stretchability. <i>Advanced Materials</i> , 2018 , 30, e1706390	24	67
144	Ultralarge Nanosheets Fabricated by the Hierarchical Self-Assembly of Porphyrin-Ended Hyperbranched Poly (ether amine) (TPP-hPEA). <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800042	4.8	0
143	Near-infrared light-responsive dynamic wrinkle patterns. <i>Science Advances</i> , 2018 , 4, eaar5762	14.3	83
142	Developing an advanced daylight model for building energy tool to simulate dynamic shading device. <i>Solar Energy</i> , 2018 , 163, 140-149	6.8	23
141	Small degree of anisotropic wetting on self-similar hierarchical wrinkled surfaces. <i>Soft Matter</i> , 2018 , 14, 1517-1529	3.6	26
140	Hyperbranched poly(ether amine) nanomicelles as nanoreactors for the unexpected ultrafast photolysis of fluorescein dyes. <i>Polymer Chemistry</i> , 2018 , 9, 2727-2732	4.9	2

139	Photo-Induced Programmable Morphological Transition of the Hybrid Coassemblies. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800054	2.6	2
138	Hyperbranched Poly(ether amine)@Poly(vinylidene fluoride) Hybrid Membrane with Oriented Nanostructures for Fast Molecular Filtration. <i>Langmuir</i> , 2018 , 34, 3787-3796	4	2
137	Switchable Adhesion Actuator for Amphibious Climbing Soft Robot. <i>Soft Robotics</i> , 2018 , 5, 592-600	9.2	54
136	Reversible Surface Patterning by Dynamic Crosslink Gradients: Controlling Buckling in 2D. <i>Advanced Materials</i> , 2018 , 30, e1803463	24	24
135	Soft Robotics: Design of Multifunctional Soft Doming Actuator for Soft Machines (Adv. Mater. Technol. 7/2018). <i>Advanced Materials Technologies</i> , 2018 , 3, 1870027	6.8	
134	Highly efficient fog harvesting on superhydrophobic microfibers through droplet oscillation and sweeping. <i>Soft Matter</i> , 2018 , 14, 8276-8283	3.6	14
133	Versatile Approach to Building Dynamic Covalent Polymer Networks by Stimulating the Dormant Groups. <i>ACS Macro Letters</i> , 2018 , 7, 1371-1375	6.6	8
132	Constrained droplet base in condensed water on carbon nanoparticle coating for delayed freezing. <i>Extreme Mechanics Letters</i> , 2018 , 24, 38-46	3.9	3
131	Design of Multifunctional Soft Doming Actuator for Soft Machines. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800069	6.8	8
130	Shape Reconfiguration of a Biomimetic Elastic Membrane with a Switchable Janus Structure. <i>Advanced Functional Materials</i> , 2018 , 28, 1800939	15.6	30
129	Spontaneous buckling-driven periodic delamination of thin films on soft substrates under large compression. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 118, 40-57	5	28
128	Fabrication of Super Extensible and Highly Tough Graphene Composite Hydrogels by Thermal Treatment Strategy for the Mixture of Tannin and Graphene Oxide. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600549	2.6	5
127	Inspired by elastomers: fabrication of hydrogels with tunable properties and re-shaping ability via photo-crosslinking at a macromolecular level. <i>Polymer Chemistry</i> , 2017 , 8, 1824-1832	4.9	3
126	Polymerization-Induced Growth of Microprotuberance on the Photocuring Coating. <i>Langmuir</i> , 2017 , 33, 2027-2032	4	6
125	Hyperbranched poly(ether amine)@poly(vinylidene fluoride) (hPEA@PVDF) porous membranes for selective adsorption and molecular filtration of hydrophilic dyes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10470-10479	13	16
124	Programmable Kiri-Kirigami Metamaterials. <i>Advanced Materials</i> , 2017 , 29, 1604262	24	157
123	A Facile Method Synthesizing Hydrogel Using Hybranched Polyether Amine (hPEA) as Coinitiator and Crosslinker. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700251	2.6	6
122	Multi-Responsive Wrinkling Patterns by the Photoswitchable Supramolecular Network. <i>ACS Macro Letters</i> , 2017 , 6, 848-853	6.6	24

121	Polyetheramine (PEA): a versatile platform to tailor the properties of hydrogels via H-bonding interactions. <i>Polymer Chemistry</i> , 2017 , 8, 5367-5373	4.9	4
120	Light-reversible hierarchical patterns by dynamic photo-dimerization induced wrinkles. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8765-8773	7.1	26
119	Cuts Guided Deterministic Buckling in Arrays of Soft Parallel Plates for Multifunctionality. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29345-29354	9.5	6
118	Non-additive impacts of covalent cross-linking on the viscoelastic nanomechanics of ionic polyelectrolyte complexes. <i>RSC Advances</i> , 2017 , 7, 53334-53345	3.7	5
117	Spontaneous Periodic Delamination of Thin Films To Form Crack-Free Metal and Silicon Ribbons with High Stretchability. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44938-44947	9.5	18
116	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	9.5	66
115	In situ polymerization induced supramolecular hydrogels of chitosan and poly(acrylic acid-acrylamide) with high toughness. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 310-318	7.8	17
114	Design of cut unit geometry in hierarchical kirigami-based auxetic metamaterials for high stretchability and compressibility. <i>Extreme Mechanics Letters</i> , 2017 , 12, 77-85	3.9	119
113	Origami and kirigami inspired self-folding for programming three-dimensional shape shifting of polymer sheets with light. <i>Extreme Mechanics Letters</i> , 2017 , 11, 111-120	3.9	68
112	Photoreversible Growth of Micropattern. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600528	4.6	6
111	Selective Adsorption and Separation through Molecular Filtration by Hyperbranched Poly(ether amine)/Carbon Nanotube Ultrathin Membranes. <i>Langmuir</i> , 2016 , 32, 13073-13083	4	24
110	Revisiting the mechanism of redox-polymerization to build the hydrogel with excellent properties using a novel initiator. <i>Soft Matter</i> , 2016 , 12, 2575-82	3.6	17
109	Nanomechanics of layer-by-layer polyelectrolyte complexes: a manifestation of ionic cross-links and fixed charges. <i>Soft Matter</i> , 2016 , 12, 1158-69	3.6	23
108	Self-Assembly of Amphiphilic Anthracene-Functionalized β -Cyclodextrin (CD-AN) through Multi-Micelle Aggregation. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 998-1004	4.8	11
107	Toward Multifunctional Polymer Hybrid through Tunable Charge Transfer Interaction of Anthracene/Naphthalenediimide. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600224	4.6	5
106	Reversible Diels-Alder Reaction To Control Wrinkle Patterns: From Dynamic Chemistry to Dynamic Patterns. <i>Advanced Materials</i> , 2016 , 28, 9126-9132	24	55
105	Controlled crumpling of graphene oxide films for tunable optical transmittance. <i>Advanced Materials</i> , 2015 , 27, 3256-65	24	112
104	An Eco-Friendly Scheme for the Cross-Linked Polybutadiene Elastomer via Thiolene and Diels-Alder Click Chemistry. <i>Macromolecules</i> , 2015 , 48, 3539-3546	5.5	127

103	Materials science: Unique wrinkles as identity tags. <i>Nature</i> , 2015 , 520, 164-5	50.4	24
102	Simultaneous Formation of a Self-Wrinkled Surface and Silver Nanoparticles on a Functional Photocuring Coating. <i>Langmuir</i> , 2015 , 31, 11800-8	4	25
101	One-pot approach to synthesize hyperbranched poly(thiol-ether amine) (hPtEA) through sequential thiol-ene and epoxy-amine click reactions. <i>Polymer Chemistry</i> , 2015 , 6, 6946-6954	4.9	12
100	Mechanochromic Sensors: Elastoplastic Inverse Opals as Power-Free Mechanochromic Sensors for Force Recording (Adv. Funct. Mater. 38/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 6022-6022	15.6	1
99	Graphene Oxide: Controlled Crumpling of Graphene Oxide Films for Tunable Optical Transmittance (Adv. Mater. 21/2015). <i>Advanced Materials</i> , 2015 , 27, 3222-3222	24	1
98	Design of Hierarchically Cut Hinges for Highly Stretchable and Reconfigurable Metamaterials with Enhanced Strength. <i>Advanced Materials</i> , 2015 , 27, 7181-90	24	119
97	Elastoplastic Inverse Opals as Power-Free Mechanochromic Sensors for Force Recording. <i>Advanced Functional Materials</i> , 2015 , 25, 6041-6049	15.6	58
96	Dynamic crosslinked poly(styrene-block-butadiene-block-styrene) via Diels-Alder chemistry: an ideal method to improve solvent resistance and mechanical properties without losing its thermal plastic behavior. <i>RSC Advances</i> , 2015 , 5, 45376-45383	3.7	21
95	Self-wrinkling induced by the photopolymerization and self-assembly of fluorinated polymer at air/liquid interface. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18574-18582	13	25
94	Photo-crosslinked nanofibers of poly(ether amine) (PEA) for the ultrafast separation of dyes through molecular filtration. <i>Polymer Chemistry</i> , 2014 , 5, 2027-2034	4.9	26
93	Biaxially mechanical tuning of 2-D reversible and irreversible surface topologies through simultaneous and sequential wrinkling. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2850-7	9.5	23
92	Thiol-ene photo-curable hybrid silicone resin for LED encapsulation: enhancement of light extraction efficiency by facile self-keeping hemisphere coating. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5533-5539	7.1	18
91	A simple approach to preparation of polyhedral oligomeric silsesquioxane crosslinked poly(styrene-b-butadiene-b-styrene) elastomers with a unique micro-morphology via UV-induced thiol-ene reaction. <i>Polymer Chemistry</i> , 2014 , 5, 6761-6769	4.9	28
90	Multifunctional POSS-Based Nano-Photo-Initiator for Overcoming the Oxygen Inhibition of Photo-Polymerization and for Creating Self-Wrinkled Patterns. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400385	4.6	25
89	Versatile Functionalization of the Micropatterned Hydrogel of Hyperbranched Poly(ether amine) Based on Thiol-yne Chemistry. <i>Advanced Functional Materials</i> , 2014 , 24, 1679-1686	15.6	40
88	The Interaction Between Amphiphilic Polymer Materials and Guest Molecules: Selective Adsorption and Its Related Applications. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 2283-2294	2.6	6
87	Hybrid Core-Shell Microspheres from Coassembly of Anthracene-Containing POSS (POSS-AN) and Anthracene-Ended Hyperbranched Poly(ether amine) (hPEA-AN) and Their Responsive Polymeric Hollow Microspheres. <i>Macromolecules</i> , 2013 , 46, 3519-3528	5.5	25
86	Mechanical Self-Assembly vs. Morphogenesis 2013 , 9-23		

85	A reliable scheduling method in equipment grid using provenance information. <i>Information Systems Frontiers</i> , 2013 , 15, 589-598	4	2
84	Graphene/ramid nanofiber nanocomposite paper with high mechanical and electrical performance. <i>RSC Advances</i> , 2013 , 3, 17664	3.7	50
83	Design of Ordered Wrinkled Patterns with Dynamically Tuned Properties. <i>Physics Procedia</i> , 2013 , 46, 40-45		4
82	Poly(vinyl alcohol) (PVA)-Enhanced Hybrid Hydrogels of Hyperbranched Poly(ether amine) (hPEA) for Selective Adsorption and Separation of Dyes. <i>Macromolecules</i> , 2013 , 46, 2399-2406	5.5	123
81	Mechanically strong graphene oxide/sodium alginate/polyacrylamide nanocomposite hydrogel with improved dye adsorption capacity. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7433	13	346
80	Mechanical Self-Assembly on Curved Substrates 2013 , 171-199		
79	Mechanical Self-Assembly in Nature 2013 , 1-8		1
78	Functionalization of unzipped carbon nanotube via in situ polymerization for mechanical reinforcement of polymer. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17663		23
77	Self-assembly of graphene into three-dimensional structures promoted by natural phenolic acids. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22459		148
76	Multi-responsive microgel of hyperbranched poly(ether amine) (hPEA-mGel) for the selective adsorption and separation of hydrophilic fluorescein dyes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17976		50
75	A thiol-ene photo-curable hybrid fluorinated resist for the high-performance replica mold of nanoimprint lithography (NIL). <i>Journal of Materials Chemistry</i> , 2012 , 22, 2616-2623		33
74	Tunable stimulus-responsive friction mechanisms of polyelectrolyte films and tube forests. <i>Soft Matter</i> , 2012 , 8, 8642	3.6	18
73	Collective mechanical behavior of multilayer colloidal arrays of hollow nanoparticles. <i>Langmuir</i> , 2012 , 28, 5580-8	4	27
72	Gelatin-assisted fabrication of water-dispersible graphene and its inorganic analogues. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17619		81
71	Self-Wrinkling Patterned Surface of Photocuring Coating Induced by the Fluorinated POSS Containing Thiol Groups (F-POSS-SH) as the Reactive Nanoadditive. <i>Macromolecules</i> , 2012 , 45, 7520-7528	5.5	52
70	Deterministic order in surface micro-topologies through sequential wrinkling. <i>Advanced Materials</i> , 2012 , 24, 5441-6	24	117
69	Gum arabic assisted exfoliation and fabrication of Ag/graphene-based hybrids. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13764		61
68	Multi-responsive wholly aromatic sulfonated polyamide ultra-sensitive to pH value. <i>Science China Chemistry</i> , 2012 , 55, 2503-2506	7.9	2

67	Hybrid hydrogels of hyperbranched poly(ether amine)s (hPEAs) for selective adsorption of guest molecules and separation of dyes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10055		56
66	Understanding the Host-Guest Interaction Between Responsive Core-Crosslinked Hybrid Nanoparticles of Hyperbranched Poly(ether amine) and Dyes: The Selective Adsorption and Smart Separation of Dyes in Water. <i>Advanced Functional Materials</i> , 2012 , 22, 2606-2616	15.6	63
65	Synthesis and characterization of novel aromatic polyamides via Yamazaki-Higashi phosphorylation method. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 244-252	2.9	23
64	Spontaneous wrinkling pattern of a constrained thin film membrane. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 107, 761-767	2.6	6
63	Surface Micropatterning: Deterministic Order in Surface Micro-Topologies through Sequential Wrinkling (Adv. Mater. 40/2012). <i>Advanced Materials</i> , 2012 , 24, 5440-5440	24	1
62	Stimuli-responsive microgels formed by hyperbranched poly(ether amine) decorated with platinum nanoparticles. <i>Soft Matter</i> , 2011 , 7, 8619	3.6	14
61	Mechanics of nanoindentation on a monolayer of colloidal hollow nanoparticles. <i>Langmuir</i> , 2011 , 27, 10492-500	4	37
60	Boron nitride nanosheets: large-scale exfoliation in methanesulfonic acid and their composites with polybenzimidazole. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11371		193
59	Direct exfoliation of graphene in methanesulfonic acid and facile synthesis of graphene/polybenzimidazole nanocomposites. <i>Journal of Materials Chemistry</i> , 2011 , 21, 505-512		69
58	Steiner minimal trees: the final destinations for lipid nanotube networks with three-way junctions. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011 , 54, 586-592	3.6	
57	Synthesis of poly(arylene ether sulfone)-block-sulfonated polybutadiene: the selective post-sulfonation of block copolymers as proton exchange membranes. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 2336-2343	3.2	2
56	Multi-responsive polymer nanoparticles from the amphiphilic poly(dimethylsiloxane) (PDMS)-containing poly(ether amine) (PDMS-gPEA) and its potential application for smart separation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4416		19
55	Buckling patterns of thin films on compliant substrates: the effect of plasticity. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 045401	3	22
54	Responsive fluorescent core-crosslinked polymer particles based on the anthracene-containing hyperbranched poly(ether amine) (hPEA-AN). <i>Soft Matter</i> , 2011 , 7, 6853	3.6	22
53	Thiol-ene photo-cured hybrid materials based on POSS and renewable vegetable oil. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12753		59
52	Elastic buckling of gradient thin films on compliant substrates. <i>Philosophical Magazine Letters</i> , 2010 , 90, 423-433	1	27
51	Buckling of anisotropic films on cylindrical substrates: insights for self-assembly fabrication of 3D helical gears. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 115402	3	20
50	Buckling patterns of thin films on curved compliant substrates with applications to morphogenesis and three-dimensional micro-fabrication. <i>Soft Matter</i> , 2010 , 6, 5667	3.6	158

49	Multistimuli Responsive Polymer Nanoparticles On the basis of the Amphiphilic Azobenzene-Contained Hyperbranched Poly(ether amine) (hPEA-AZO). <i>Macromolecules</i> , 2010 , 43, 10457-10465	5.5	59
48	Synthesis of stimuli-responsive star-like copolymer H2O-PNIPAm-r-PEGMA via the ATRP copolymerization technique and its micellization in aqueous solution. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1831-1840	2.9	5
47	Mechanical modeling of a wrinkled fingertip immersed in water. <i>Acta Biomaterialia</i> , 2010 , 6, 1487-96	10.8	34
46	Multistimuli responsive amphiphilic graft poly(ether amine): Synthesis, characterization, and self-assembly in aqueous solution. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 327-335	2.5	24
45	Multistimuli responsive micelles based on well-defined amphiphilic comb poly(ether amine) (acPEA). <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3468-3475	2.5	5
44	Multistimuli-responsive hyperbranched poly(ether amine)s. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 4252-4261	2.5	34
43	Polymeric Michler's ketone photoinitiator containing coinitiator amine. <i>Polymer Engineering and Science</i> , 2009 , 49, 1608-1615	2.3	10
42	Poly(ether tert-amine): A novel family of multiresponsive polymer. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 1292-1297	2.5	29
41	Anisotropic buckling patterns in spheroidal film/substrate systems and their implications in some natural and biological systems. <i>Journal of the Mechanics and Physics of Solids</i> , 2009 , 57, 1470-1484	5	90
40	Geometric theory for adhering lipid vesicles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 74, 380-8	6	9
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