

Xuesong Jiang

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.

101
papers

2,036
citations

25
h-index

40
g-index

105
ext. papers

2,353
ext. citations

6.8
avg, IF

5.22
L-index

#	Paper	IF	Citations
101	Wavelength-Selective Photocycloadditions of Styryl-Anthracene.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200055	4.8	0
100	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
99	Application of decarboxylation reactions for improvement of dielectric properties of a methacrylic polymer.. <i>RSC Advances</i> , 2021 , 11, 20926-20932	3.7	
98	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
97	Photo-Oxidation-Controlled Surface Pattern with Responsive Wrinkled Topography and Fluorescence. <i>Chemistry - A European Journal</i> , 2021 , 27, 5810-5816	4.8	1
96	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
95	A Near-Infrared-Triggered Dynamic Wrinkling Biointerface for Noninvasive Harvesting of Practical Cell Sheets. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32790-32798	9.5	4
94	Micropatterns Fabricated by Photodimerization-Induced Diffusion. <i>Advanced Materials</i> , 2021 , 33, e2007699	6.9	6
93	Aminoesterenamides 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
92	Regulating surface wrinkles using light. <i>National Science Review</i> , 2020 , 7, 1247-1257	10.8	10
91	A supramolecular polymeric photoinitiator with enhanced dispersion in photo-curing systems. <i>Polymer Chemistry</i> , 2020 , 11, 1885-1893	4.9	4
90	Long noncoding RNA-dependent regulation of vascular smooth muscle cell proliferation and migration in hypertension. <i>International Journal of Biochemistry and Cell Biology</i> , 2020 , 118, 105653	5.6	1
89	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
88	Photodynamic Pattern Memory Surfaces with Responsive Wrinkled and Fluorescent Patterns. <i>Advanced Science</i> , 2020 , 7, 2002372	13.6	6
87	Realizing Dynamic Diffraction Gratings Based on Light-Direct Writing of Responsive 2D Ordered Patterns 2020 , 2, 1135-1141		4
86	Dynamic Structural Color from Wrinkled Thin Films. <i>Advanced Optical Materials</i> , 2020 , 8, 2000234	8.1	14
85	Dynamic wrinkling pattern exhibiting tunable fluorescence for anticounterfeiting applications. <i>Nature Communications</i> , 2020 , 11, 1811	17.4	55

84	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
83	Pattern Memory Surface (PMS) with Dynamic Wrinkles for Unclonable Anticounterfeiting 2019 , 1, 77-82		17
82	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
81	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
80	Smart Patterned Surface with Dynamic Wrinkles. <i>Accounts of Chemical Research</i> , 2019 , 52, 1025-1035	24.3	57
79	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
78	Hybrid Membranes of hPEA@PVDF for Molecular Recognition and Separation of Phenols and Anilines. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900529	6.8	
77	Multifunctional Polymer Sponge with Molecule Recognition: Facile Mechanic Induced Separation. <i>Langmuir</i> , 2019 , 35, 14920-14928	4	2
76	Light-Written Reversible 3D Fluorescence and Topography Dual-Pattern with Memory and Self-Healing Abilities. <i>Research</i> , 2019 , 2019, 2389254	7.8	8
75	Reversible Surface Dual-Pattern with Simultaneously Dynamic Wrinkled Topography and Fluorescence. <i>ACS Macro Letters</i> , 2018 , 7, 540-545	6.6	30
74	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
73	Near-infrared light-responsive dynamic wrinkle patterns. <i>Science Advances</i> , 2018 , 4, eaar5762	14.3	83
72	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
71	Photo-Induced Programmable Morphological Transition of the Hybrid Coassemblies. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800054	2.6	2
70	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
69	Hyperbranched poly(ether amine) (hPEA) as novel backbone for amphiphilic one-component type-II polymeric photoinitiators. <i>Chinese Chemical Letters</i> , 2018 , 29, 451-455	8.1	21
68	Reversible Surface Patterning by Dynamic Crosslink Gradients: Controlling Buckling in 2D. <i>Advanced Materials</i> , 2018 , 30, e1803463	24	24
67	Polymerization-Induced Growth of Microprotuberance on the Photocuring Coating. <i>Langmuir</i> , 2017 , 33, 2027-2032	4	6

66	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
65	Gas separation performance of supported carbon molecular sieve membranes based on soluble polybenzimidazole. <i>Journal of Membrane Science</i> , 2017 , 533, 1-10	9.6	30
64	Multi-Responsive Wrinkling Patterns by the Photoswitchable Supramolecular Network. <i>ACS Macro Letters</i> , 2017 , 6, 848-853	6.6	24
63	Light-reversible hierarchical patterns by dynamic photo-dimerization induced wrinkles. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8765-8773	7.1	26
62	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
61	Photoreversible Growth of Micropattern. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600528	4.6	6
60	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
59	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
58	Toward Multifunctional Polymer Hybrid through Tunable Charge Transfer Interaction of Anthracene/Naphthalenediimide. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600224	4.6	5
57	Reversible Diels-Alder Reaction To Control Wrinkle Patterns: From Dynamic Chemistry to Dynamic Patterns. <i>Advanced Materials</i> , 2016 , 28, 9126-9132	24	55
56	Simultaneous Formation of a Self-Wrinkled Surface and Silver Nanoparticles on a Functional Photocuring Coating. <i>Langmuir</i> , 2015 , 31, 11800-8	4	25
55	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
54	Cinnamate-Functionalized Cage Silsesquioxanes as Photoreactive Nanobuilding Blocks. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 99-103	2.3	8
53	A novel pH-responsive POSS-based nanoporous luminescent material derived from brominated distyrylpyridine and octavinylsilsesquioxane. <i>RSC Advances</i> , 2015 , 5, 12800-12806	3.7	18
52	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
51	A hybrid resist hemispherical-pit array layer for light trapping in thin film silicon solar cells via UV nanoimprint lithography. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6140-6147	7.1	9
50	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
49	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

48	Thiol-yne Photo-curable Hybrid Resist: An Alternative for UV Nanoimprint Lithography (UV-NIL). <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2014 , 27, 121-129	0.7	3
47	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
46	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
45	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
44	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
43	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
42	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
41	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
40	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, 7520-7526	5.5	52
39	Multi-responsive wholly aromatic sulfonated polyamide ultra-sensitive to pH value. <i>Science China Chemistry</i> , 2012 , 55, 2503-2506	7.9	2
38	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
37	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
36	Stimuli-responsive microgels formed by hyperbranched poly(ether amine) decorated with platinum nanoparticles. <i>Soft Matter</i> , 2011 , 7, 8619	3.6	14
35	Polymeric vesicles with well-defined poly(methyl methacrylate) (PMMA) brushes via surface-initiated photopolymerization (SIPP). <i>Polymer Chemistry</i> , 2011 , 2, 614-618	4.9	15
34	Amphiphilic polymeric Michler's ketone (MK) photoinitiators (APMKs) containing PEO chain and coinitiator amine. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 598-604	3.2	11
33	A Nanoimprint Lithography Hybrid Photoresist Based on the Thiol-Ene System. <i>Advanced Functional Materials</i> , 2011 , 21, 2960-2967	15.6	80
32	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
31	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

30	Thiol-ene photo-cured hybrid materials based on POSS and renewable vegetable oil. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12753		59
29	Amphiphilic zwitterionic poly(dimethylsiloxane) (PDMS)-contained poly(ether amine) (Z-SiPEA) as the responsive polymeric dispersant. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1749-56	9.5	12
28	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
27	Photoreversible Resists for UV Nanoimprint Lithography (UV-NIL). <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2076-2082	9.5	16
26	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
25	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
24	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
23	Multistimuli-responsive hyperbranched poly(ether amine)s. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 4252-4261	2.5	34
22	Poly(N-isopropylacrylamide) Brush Fabricated by Surface-Initiated Photopolymerization and its Response to Temperature. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1876-1882	2.6	16
21	Polybenzimidazoles (PBIs) Derived from Non-Coplanar Dibenzoic Acid Containing Imidazole (IDBA): Synthesis, Characterization and Properties. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1632-1639	2.6	6
20	Polymeric Michler's ketone photoinitiator containing coinitorator amine. <i>Polymer Engineering and Science</i> , 2009 , 49, 1608-1615	2.3	10
19	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
18	Responsive polymer nanoparticles formed by poly(ether amine) containing coumarin units and a poly(ethylene oxide) short chain. <i>Langmuir</i> , 2009 , 25, 9629-32	4	27
17	Novel Photosensitizer and Methoxy Styryl Pyridines for Photoradical Initiator System. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2009 , 22, 351-356	0.7	5
16	Water-Soluble Polymeric Thioxanthone Photoinitiator Containing Glucamine as Coinitiator. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 1593-1600	2.6	47
15	Photoinitiation properties of heterocyclic hexaarylbiimidazoles with high UV-vis absorbance. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 2027-2035	2.9	9
14	A water-soluble supramolecular-structured photoinitiator between methylated Cyclodextrin and 2,2-dimethoxy-2-phenylacetophenone. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 3819-3823	2.9	14
13	Study of Novel PU-Type Polymeric Photoinitiators Comprising of Side-Chain Benzophenone and Coinitiator Amine: Effect of Macromolecular Structure on Photopolymerization. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 287-294	2.6	18

12	Effect of N-phenylmaleimide on a novel chemically bonded polymerizable photoinitiator comprising the structure of planar N-phenylmaleimide and benzophenone for photopolymerization. <i>Polymer International</i> , 2007 , 56, 200-207	3.3	4
11	ESR and kinetic study of a novel polymerizable photoinitiator comprising the structure of N-phenylmaleimide and benzophenone for photopolymerization. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 2347-2354	2.9	11
10	Novel Polymerizable Sulfur-Containing Benzophenones as Free-Radical Photoinitiators for Photopolymerization. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1080-1086	2.6	19
9	Effect on Photopolymerization of the Structure of Amine Coinitiators Contained in Novel Polymeric Benzophenone Photoinitiators. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1752-1763	2.6	20
8	A Highly Efficient Polyurethane-Type Polymeric Photoinitiator Containing In-chain Benzophenone and Coinitiator Amine for Photopolymerization of PU Prepolymers. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 2321-2328	2.6	13
7	Highly efficient, polymerizable, sulfur-containing photoinitiator comprising a structure of planar N-phenylmaleimide and benzophenone for photopolymerization. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 3738-3750	2.5	26
6	Novel polymerizable N-aromatic maleimides as free radical initiators for photopolymerization. <i>Polymer International</i> , 2006 , 55, 930-937	3.3	15
5	Photoinitiated synthesis of polymer brush from dendritic photoinitiator electrostatic self-assembly. <i>Chemical Communications</i> , 2005 , 4927-8	5.8	7
4	Copolymeric photoinitiators containing in-chain thioxanthone and coinitiator amine for photopolymerization. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 2395-2400	2.9	19
3	Polymeric Photoinitiator Containing In-Chain Thioxanthone and Coinitiator Amines. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 748-752	4.8	65
2	Photo-Polymerization Induced Hierarchical Pattern via Self-Wrinkling. <i>Advanced Functional Materials</i> , 2106754	15.6	4
1	Photo-Curing Vis-IR Hybrid Fresnel Lenses with High Refractive Index. <i>Macromolecular Chemistry and Physics</i> , 2100311	2.6	