

Yan Ji

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.

66

papers

4,648

citations

36

h-index

68

g-index

70

ext. papers

5,351

ext. citations

9.2

avg, IF

5.75

L-index

#	Paper	IF	Citations
66	Reprogrammable 3D Liquid-Crystalline Actuators with Precisely Controllable Stepwise Actuation. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2000249	6	5
65	Functional epoxy vitrimers and composites. <i>Progress in Materials Science</i> , 2021 , 120, 100710	42.2	33
64	A novel aluminum-carbon nanotubes nanocomposite with doubled strength and preserved electrical conductivity. <i>Nano Research</i> , 2021 , 14, 2776-2782	10	5
63	Vitrimer-based soft actuators with multiple responsiveness and self-healing ability triggered by multiple stimuli. <i>Matter</i> , 2021 ,	12.7	11
62	Polymer actuators based on covalent adaptable networks. <i>Polymer Chemistry</i> , 2020 , 11, 5297-5320	4.9	21
61	A magnetic solder for assembling bulk covalent adaptable network blocks. <i>Chemical Science</i> , 2020 , 11, 7694-7700	9.4	5
60	Electricity-Triggered Self-Healing of Conductive and Thermostable Vitrimer Enabled by Paving Aligned Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14315-14322	9.5	31
59	Seamless multimaterial 3D liquid-crystalline elastomer actuators for next-generation entirely soft robots. <i>Science Advances</i> , 2020 , 6, eaay8606	14.3	53
58	Liquid-Crystalline Soft Actuators with Switchable Thermal Reprogrammability. <i>Angewandte Chemie</i> , 2020 , 132, 4808-4814	3.6	6
57	Liquid-Crystalline Soft Actuators with Switchable Thermal Reprogrammability. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4778-4784	16.4	48
56	Durable liquid-crystalline vitrimer actuators. <i>Chemical Science</i> , 2019 , 10, 3025-3030	9.4	50
55	Detecting topology freezing transition temperature of vitrimers by AIE luminogens. <i>Nature Communications</i> , 2019 , 10, 3165	17.4	63
54	Harnessing the Day-Night Rhythm of Humidity and Sunlight into Mechanical Work Using Recyclable and Reprogrammable Soft Actuators. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29290-29297	9.5	18
53	Reprocessable Thermoset Soft Actuators. <i>Angewandte Chemie</i> , 2019 , 131, 17635-17640	3.6	16
52	Reprocessable Thermoset Soft Actuators. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17474-17479	16.9	50
51	A durable monolithic polymer foam for efficient solar steam generation. <i>Chemical Science</i> , 2018 , 9, 623-628	9.4	164
50	Gold Nanospheres Dispersed Light Responsive Epoxy Vitrimers. <i>Polymers</i> , 2018 , 10,	4.5	18

49	Untethered Recyclable Tubular Actuators with Versatile Locomotion for Soft Continuum Robots. <i>Advanced Materials</i> , 2018 , 30, e1801103	24	92
48	Solvent-assisted programming of flat polymer sheets into reconfigurable and self-healing 3D structures. <i>Nature Communications</i> , 2018 , 9, 1906	17.4	70
47	Polydopamine nanoparticles doped in liquid crystal elastomers for producing dynamic 3D structures. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6740-6746	13	67
46	Enabling the sunlight driven response of thermally induced shape memory polymers by rewritable CH ₃ NH ₃ PbI ₃ perovskite coating. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7285-7290	13	33
45	Photo-responsive liquid crystalline vitrimer containing oligoanilines. <i>Chinese Chemical Letters</i> , 2017 , 28, 2139-2142	8.1	28
44	Multi-stimuli responsive and multi-functional oligoaniline-modified vitrimers. <i>Chemical Science</i> , 2017 , 8, 724-733	9.4	138
43	Making and Remaking Dynamic 3D Structures by Shining Light on Flat Liquid Crystalline Vitrimer Films without a Mold. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2118-21	16.4	254
42	Carbon nanotubes dispersed in liquid crystal elastomers. <i>Series in Soft Condensed Matter</i> , 2016 , 631-655		1
41	Vitrification and plastic flow in transient elastomer networks. <i>Polymer</i> , 2016 , 95, 45-51	3.9	27
40	Regional Shape Control of Strategically Assembled Multishape Memory Vitrimers. <i>Advanced Materials</i> , 2016 , 28, 156-60	24	177
39	Polydopamine coated shape memory polymer: enabling light triggered shape recovery, light controlled shape reprogramming and surface functionalization. <i>Chemical Science</i> , 2016 , 7, 4741-4747	9.4	94
38	Self-healing anti-corrosion coatings based on polymers of intrinsic microporosity for the protection of aluminum alloy. <i>RSC Advances</i> , 2015 , 5, 104451-104457	3.7	21
37	Mouldable liquid-crystalline elastomer actuators with exchangeable covalent bonds. <i>Nature Materials</i> , 2014 , 13, 36-41	27	526
36	Carbon nanotube/vitrimer composite for facile and efficient photo-welding of epoxy. <i>Chemical Science</i> , 2014 , 5, 3486-3492	9.4	201
35	Liquid Crystalline Network Composites Reinforced by Silica Nanoparticles. <i>Materials</i> , 2014 , 7, 5356-5365	3.5	6
34	Size tunable fluorescent nano-graphite oxides: preparation and cell imaging applications. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19013-8	3.6	76
33	Biocompatibility evaluation of aniline oligomers with different end-functional groups. <i>Toxicology Research</i> , 2013 , 2, 427	2.6	49
32	Carbon-dots derived from nanodiamond: photoluminescence tunable nanoparticles for cell imaging. <i>Journal of Colloid and Interface Science</i> , 2013 , 397, 39-44	9.3	161

31	Photo-oxidative enhancement of polymeric molecular sieve membranes. <i>Nature Communications</i> , 2013 , 4, 1918	17.4	94
30	Fast and reversible microscale formation of columns in carbon nanotube suspensions. <i>Soft Matter</i> , 2013 , 9, 235-240	3.6	1
29	Hierarchically porous chitosan-PEG-silica biohybrid: synthesis and rapid cell adsorption. <i>Advanced Healthcare Materials</i> , 2013 , 2, 302-5	10.1	10
28	Biocompatible polydopamine fluorescent organic nanoparticles: facile preparation and cell imaging. <i>Nanoscale</i> , 2012 , 4, 5581-4	7.7	428
27	Combining mussel-inspired chemistry and the Michael addition reaction to disperse carbon nanotubes. <i>RSC Advances</i> , 2012 , 2, 12153	3.7	77
26	Carbon-nanotube sensitized nematic elastomer composites for IR-visible photo-actuation. <i>Soft Matter</i> , 2012 , 8, 1570-1574	3.6	97
25	Cellular responses of aniline oligomers: a preliminary study. <i>Toxicology Research</i> , 2012 , 1, 201	2.6	157
24	PEGylation and polyPEGylation of nanodiamond. <i>Polymer</i> , 2012 , 53, 3178-3184	3.9	124
23	PolyPEGylated nanodiamond for intracellular delivery of a chemotherapeutic drug. <i>Polymer Chemistry</i> , 2012 , 3, 2716	4.9	98
22	Nanoparticle-Liquid Crystalline Elastomer Composites. <i>Polymers</i> , 2012 , 4, 316-340	4.5	59
21	Organogels and Liquid Crystalline Properties of Amino Acid-Based Dendrons: A Systematic Study on Structure-Property Relationship. <i>Chemistry of Materials</i> , 2012 , 24, 71-80	9.6	48
20	Dissolving and aligning carbon nanotubes in thermotropic liquid crystals. <i>Langmuir</i> , 2011 , 27, 13254-60	4	50
19	Single-mode laser tuning from cholesteric elastomers using a "notch" band-gap configuration. <i>Optics Express</i> , 2010 , 18, 575-81	3.3	68
18	Dispersion and alignment of carbon nanotubes in liquid crystalline polymers and elastomers. <i>Advanced Materials</i> , 2010 , 22, 3436-40	24	146
17	SYNTHESIS AND CHARACTERIZATION OF PEPTIDE DENDRONS WITH GLY-GLU AS BUILDING BLOCKS. <i>Acta Polymerica Sinica</i> , 2010 , 006, 712-716		
16	Photoresponsive organogels: an amino acid-based dendron functionalized with p-nitrocinnamate. <i>Tetrahedron</i> , 2009 , 65, 3496-3501	2.4	33
15	Supramolecular Self-Assembly of Dimeric Dendrons with Different Aliphatic Spacers. <i>Chemistry of Materials</i> , 2009 , 21, 456-462	9.6	32
14	Polysiloxane surfactants for the dispersion of carbon nanotubes in nonpolar organic solvents. <i>Langmuir</i> , 2009 , 25, 12325-31	4	47

13	Effect of crosslinking on the photonic bandgap in deformable cholesteric elastomers. <i>Optics Express</i> , 2008 , 16, 5320-31	3.3	37
12	Self-Assembly of Amino-Acid-Based Dendrons: Organogels and Lyotropic and Thermotropic Liquid Crystals. <i>Chemistry of Materials</i> , 2008 , 20, 4173-4175	9.6	52
11	Photoreversible dendritic organogel. <i>Chemical Communications</i> , 2007 , 4233-5	5.8	54
10	Glycine and l-glutamic acid-based dendritic gelators. <i>Tetrahedron</i> , 2007 , 63, 8794-8800	2.4	23
9	Self-assembly and supramolecular transition of poly(amidoamine) dendrons focally modified with aromatic chromophores. <i>Journal of Colloid and Interface Science</i> , 2007 , 314, 289-96	9.3	11
8	Poly(amidoamine) Dendrimers Bearing Electron-Donating Chromophores: Fluorescence and Electrochemical Properties. <i>Polymer Bulletin</i> , 2006 , 56, 63-74	2.4	10
7	A dendron based on natural amino acids: synthesis and behavior as an organogelator and lyotropic liquid crystal. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6025-9	16.4	75
6	A Dendron Based on Natural Amino Acids: Synthesis and Behavior as an Organogelator and Lyotropic Liquid Crystal. <i>Angewandte Chemie</i> , 2005 , 117, 6179-6183	3.6	19
5	Self-assembly of a new class of amphiphilic poly(amidoamine) dendrimers and their electrochemical properties. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 5512-5519	2.5	17
4	Poly(amidoamine) dendrimers with phenyl shells: fluorescence and aggregation behavior. <i>Polymer</i> , 2004 , 45, 8395-8402	3.9	17
3	Preparation of Monodisperse Platinum Nanocrystal Core Poly(amidoamine) (PAMAM) Dendrimer Shell Structures as Monolayer Films. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 1176-1178	3.4	30
2	Fluorescence and aggregation behavior of poly(amidoamine) dendrimers peripherally modified with aromatic chromophores: the effect of dendritic architectures. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15180-94	16.4	87
1	The Cu/Fe magnetic yoke with novel interface and excellent mechanical properties by friction stir welding. <i>Science and Technology of Welding and Joining</i> , 1-14	3.7	1