

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3048309/yan-ji-publications-by-citations.pdf>

Version: 2024-04-19

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.

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	Mouldable liquid-crystalline elastomer actuators with exchangeable covalent bonds. <i>Nature Materials</i> , 2014 , 13, 36-41	27	526
65	Biocompatible polydopamine fluorescent organic nanoparticles: facile preparation and cell imaging. <i>Nanoscale</i> , 2012 , 4, 5581-4	7.7	428
64	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
63	Carbon nanotube/vitrimer composite for facile and efficient photo-welding of epoxy. <i>Chemical Science</i> , 2014 , 5, 3486-3492	9.4	201
62	Regional Shape Control of Strategically Assembled Multishape Memory Vitrimers. <i>Advanced Materials</i> , 2016 , 28, 156-60	24	177
61	A durable monolithic polymer foam for efficient solar steam generation. <i>Chemical Science</i> , 2018 , 9, 623-628	9.4	164
60	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
59	Cellular responses of aniline oligomers: a preliminary study. <i>Toxicology Research</i> , 2012 , 1, 201	2.6	157
58	Dispersion and alignment of carbon nanotubes in liquid crystalline polymers and elastomers. <i>Advanced Materials</i> , 2010 , 22, 3436-40	24	146
57	Multi-stimuli responsive and multi-functional oligoaniline-modified vitrimers. <i>Chemical Science</i> , 2017 , 8, 724-733	9.4	138
56	PEGylation and polyPEGylation of nanodiamond. <i>Polymer</i> , 2012 , 53, 3178-3184	3.9	124
55	PolyPEGylated nanodiamond for intracellular delivery of a chemotherapeutic drug. <i>Polymer Chemistry</i> , 2012 , 3, 2716	4.9	98
54	Carbon-nanotube sensitized nematic elastomer composites for IR-visible photo-actuation. <i>Soft Matter</i> , 2012 , 8, 1570-1574	3.6	97
53	Photo-oxidative enhancement of polymeric molecular sieve membranes. <i>Nature Communications</i> , 2013 , 4, 1918	17.4	94
52	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
51	Untethered Recyclable Tubular Actuators with Versatile Locomotion for Soft Continuum Robots. <i>Advanced Materials</i> , 2018 , 30, e1801103	24	92
50	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

49	Combining mussel-inspired chemistry and the Michael addition reaction to disperse carbon nanotubes. <i>RSC Advances</i> , 2012 , 2, 12153	3.7	77
48	Size tunable fluorescent nano-graphite oxides: preparation and cell imaging applications. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19013-8	3.6	76
47	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
46	Solvent-assisted programming of flat polymer sheets into reconfigurable and self-healing 3D structures. <i>Nature Communications</i> , 2018 , 9, 1906	17.4	70
45	Single-mode laser tuning from cholesteric elastomers using a "notch" band-gap configuration. <i>Optics Express</i> , 2010 , 18, 575-81	3.3	68
44	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
43	Detecting topology freezing transition temperature of vitrimers by AIE luminogens. <i>Nature Communications</i> , 2019 , 10, 3165	17.4	63
42	Nanoparticle-Liquid Crystalline Elastomer Composites. <i>Polymers</i> , 2012 , 4, 316-340	4.5	59
41	Photoreversible dendritic organogel. <i>Chemical Communications</i> , 2007 , 4233-5	5.8	54
40	Seamless multimaterial 3D liquid-crystalline elastomer actuators for next-generation entirely soft robots. <i>Science Advances</i> , 2020 , 6, eaay8606	14.3	53
39	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
38	Durable liquid-crystalline vitrimer actuators. <i>Chemical Science</i> , 2019 , 10, 3025-3030	9.4	50
37	Reprocessable Thermoset Soft Actuators. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17474-17479	16.2	50
36	Dissolving and aligning carbon nanotubes in thermotropic liquid crystals. <i>Langmuir</i> , 2011 , 27, 13254-60	4	50
35	Biocompatibility evaluation of aniline oligomers with different end-functional groups. <i>Toxicology Research</i> , 2013 , 2, 427	2.6	49
34	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
33	Liquid-Crystalline Soft Actuators with Switchable Thermal Reprogrammability. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4778-4784	16.4	48
32	Polysiloxane surfactants for the dispersion of carbon nanotubes in nonpolar organic solvents. <i>Langmuir</i> , 2009 , 25, 12325-31	4	47

31	Effect of crosslinking on the photonic bandgap in deformable cholesteric elastomers. <i>Optics Express</i> , 2008 , 16, 5320-31	3.3	37
30	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
29	Photoresponsive organogels: an amino acid-based dendron functionalized with p-nitrocinnamate. <i>Tetrahedron</i> , 2009 , 65, 3496-3501	2.4	33
28	Functional epoxy vitrimers and composites. <i>Progress in Materials Science</i> , 2021 , 120, 100710	42.2	33
27	Supramolecular Self-Assembly of Dimeric Dendrons with Different Aliphatic Spacers. <i>Chemistry of Materials</i> , 2009 , 21, 456-462	9.6	32
26	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
25	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
24	Photo-responsive liquid crystalline vitrimer containing oligoanilines. <i>Chinese Chemical Letters</i> , 2017 , 28, 2139-2142	8.1	28
23	Vitrification and plastic flow in transient elastomer networks. <i>Polymer</i> , 2016 , 95, 45-51	3.9	27
22	Glycine and l-glutamic acid-based dendritic gelators. <i>Tetrahedron</i> , 2007 , 63, 8794-8800	2.4	23
21	Polymer actuators based on covalent adaptable networks. <i>Polymer Chemistry</i> , 2020 , 11, 5297-5320	4.9	21
20	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
19	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
18	Gold Nanospheres Dispersed Light Responsive Epoxy Vitrimers. <i>Polymers</i> , 2018 , 10,	4.5	18
17	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
16	Poly(amidoamine) dendrimers with phenyl shells: fluorescence and aggregation behavior. <i>Polymer</i> , 2004 , 45, 8395-8402	3.9	17
15	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
14	Reprocessable Thermoset Soft Actuators. <i>Angewandte Chemie</i> , 2019 , 131, 17635-17640	3.6	16

13	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
12	Vitrimer-based soft actuators with multiple responsiveness and self-healing ability triggered by multiple stimuli. <i>Matter</i> , 2021 ,	12.7	11
11	Hierarchically porous chitosan-PEG-silica biohybrid: synthesis and rapid cell adsorption. <i>Advanced Healthcare Materials</i> , 2013 , 2, 302-5	10.1	10
10	Poly(amidoamine) Dendrimers Bearing Electron-Donating Chromophores: Fluorescence and Electrochemical Properties. <i>Polymer Bulletin</i> , 2006 , 56, 63-74	2.4	10
9	Liquid Crystalline Network Composites Reinforced by Silica Nanoparticles. <i>Materials</i> , 2014 , 7, 5356-5365	3.5	6
8	Liquid-Crystalline Soft Actuators with Switchable Thermal Reprogrammability. <i>Angewandte Chemie</i> , 2020 , 132, 4808-4814	3.6	6
7	A magnetic solder for assembling bulk covalent adaptable network blocks. <i>Chemical Science</i> , 2020 , 11, 7694-7700	9.4	5
6	Reprogrammable 3D Liquid-Crystalline Actuators with Precisely Controllable Stepwise Actuation. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2000249	6	5
5	A novel aluminum-carbon nanotubes nanocomposite with doubled strength and preserved electrical conductivity. <i>Nano Research</i> , 2021 , 14, 2776-2782	10	5
4	Fast and reversible microscale formation of columns in carbon nanotube suspensions. <i>Soft Matter</i> , 2013 , 9, 235-240	3.6	1
3	Carbon nanotubes dispersed in liquid crystal elastomers. <i>Series in Soft Condensed Matter</i> , 2016 , 631-655		1
2	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
1	SYNTHESIS AND CHARACTERIZATION OF PEPTIDE DENDRONS WITH GLY-GLU AS BUILDING BLOCKS. <i>Acta Polymerica Sinica</i> , 2010 , 006, 712-716		