

# Zhijian Wang

## List of Publications by Citations

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51  
papers

2,067  
citations

24  
h-index

45  
g-index

55  
ext. papers

2,576  
ext. citations

7  
avg, IF

5.42  
L-index

#	Paper	IF	Citations
51	Mechanically Induced Multicolor Change of Luminescent Materials. <i>ChemPhysChem</i> , <b>2015</b> , 16, 1811-28	3.2	193
50	A Novel Mechanochromic and Photochromic Polymer Film: When Rhodamine Joins Polyurethane. <i>Advanced Materials</i> , <b>2015</b> , 27, 6469-74	24	182
49	Mechanically induced multicolor switching based on a single organic molecule. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12268-72	16.4	177
48	A Mechanochromic Single Crystal: Turning Two Color Changes into a Tricolored Switch. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 519-22	16.4	168
47	Electrically controlled liquid crystal elastomer-based soft tubular actuator with multimodal actuation. <i>Science Advances</i> , <b>2019</b> , 5, eaax5746	14.3	141
46	Reprogrammable, Reprocessible, and Self-Healable Liquid Crystal Elastomer with Exchangeable Disulfide Bonds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33119-33128	9.5	125
45	Polydopamine-Coated Main-Chain Liquid Crystal Elastomer as Optically Driven Artificial Muscle. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8307-8316	9.5	104
44	A Light-Powered Ultralight Tensegrity Robot with High Deformability and Load Capacity. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806849	24	74
43	Template Synthesis of Hierarchical Bi2E3 (E = S, Se, Te) Core-Shell Microspheres and Their Electrochemical and Photoresponsive Properties. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 18075-18081	3.8	64
42	An Enzyme-Responsive Nanogel Carrier Based on PAMAM Dendrimers for Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19899-906	9.5	53
41	Bioinspired Design of Vascular Artificial Muscle. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800244	6.8	53
40	Porous gold nanobelts templated by metal-surfactant complex nanobelts. <i>Langmuir</i> , <b>2010</b> , 26, 12330-5	4	51
39	Three-dimensional printing of functionally graded liquid crystal elastomer. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	49
38	An extended Nishihara model for the description of three stages of sandstone creep. <i>Geophysical Journal International</i> , <b>2013</b> , 193, 841-854	2.6	47
37	Programmable actuation of liquid crystal elastomers via "living" exchange reaction. <i>Soft Matter</i> , <b>2019</b> , 15, 2811-2816	3.6	39
36	Mechanically Induced Multicolor Switching Based on a Single Organic Molecule. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 12494-12498	3.6	35
35	Recyclable and Self-Repairable Fluid-Driven Liquid Crystal Elastomer Actuator. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35464-35474	9.5	33

34	A Mechanochromic Single Crystal: Turning Two Color Changes into a Tricolored Switch. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 529-532	3.6	31
33	A simple and robust way towards reversible mechanochromism: Using liquid crystal elastomer as a mask. <i>Extreme Mechanics Letters</i> , <b>2017</b> , 11, 42-48	3.9	29
32	Recent progress in dynamic covalent chemistries for liquid crystal elastomers. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 6610-6623	7.3	29
31	Controllable multicolor switching of oligopeptide-based mechanochromic molecules: from gel phase to solid powder. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3399-3405	7.1	28
30	Photoresponsive Dendronized Copolymers of Styrene and Maleic Anhydride Pendant with Poly(amidoamine) Dendrons as Side Groups. <i>Macromolecules</i> , <b>2013</b> , 46, 1723-1731	5.5	26
29	Mechanically controlled FRET to achieve an independent three color switch. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10914-10918	7.1	24
28	Electrospun liquid crystal elastomer microfiber actuator. <i>Science Robotics</i> , <b>2021</b> , 6,	18.6	24
27	Mechanically induced color change based on the chromophores of anthracene and rhodamine 6G. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 393-396	2	22
26	Stretchable and transparent ionic diode and logic gates. <i>Extreme Mechanics Letters</i> , <b>2019</b> , 28, 81-86	3.9	21
25	Circulating chemerin levels elevated in dilated cardiomyopathy patients with overt heart failure. <i>Clinica Chimica Acta</i> , <b>2015</b> , 448, 27-32	6.2	20
24	The mechanically induced color change from UV to visible region. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 6504-6506		20
23	An Electrically Actuated Soft Artificial Muscle Based on a High-Performance Flexible Electrothermal Film and Liquid-Crystal Elastomer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 56338-56349	9.5	19
22	Porous double network gels with high toughness, high stretchability and fast solvent-absorption. <i>Soft Matter</i> , <b>2017</b> , 13, 6852-6857	3.6	19
21	Printing Multi-Material Organic Haptic Actuators. <i>Advanced Materials</i> , <b>2021</b> , 33, e2002541	24	18
20	Polymer nanofiber reinforced double network gel composite: Strong, tough and transparent. <i>Extreme Mechanics Letters</i> , <b>2016</b> , 9, 165-170	3.9	17
19	A poly(amidoamine) dendrimer-based nanocarrier conjugated with Angiopep-2 for dual-targeting function in treating glioma cells. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 715-721	4.9	15
18	Mechanochromic and photochromic dual-responsive properties of an amino acid based molecule in polymorphic phase. <i>RSC Advances</i> , <b>2014</b> , 4, 20239	3.7	15
17	Electrically Controlled Soft Actuators with Multiple and Reprogrammable Actuation Modes. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 1900177	6	14

16	Circulating Omentin-1 Levels Are Decreased in Dilated Cardiomyopathy Patients with Overt Heart Failure. <i>Disease Markers</i> , <b>2016</b> , 2016, 6762825	3.2	11
15	Self-immolative nanoparticles triggered by hydrogen peroxide and pH. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 1962-1969	2.5	10
14	Structure and electrical properties of ternary BiFeO <sub>3</sub> -BaTiO <sub>3</sub> -PbTiO <sub>3</sub> high-temperature piezoceramics. <i>Journal of Advanced Ceramics</i> , <b>2012</b> , 1, 227-231	10.7	10
13	Mechanical activation of a dithioester derivative-based retro RAFT-HDA reaction. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 6893-6897	4.9	9
12	3D Printing of Electrically Responsive PVC Gel Actuators. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 24164-24172	9.5	8
11	Self-sustained eversion or inversion of a thermally responsive torus. <i>Physical Review E</i> , <b>2021</b> , 103, 033004	4.4	7
10	Mechanics of vitrimer with hybrid networks. <i>Mechanics of Materials</i> , <b>2021</b> , 153, 103687	3.3	7
9	A mechano-responsive molecule with tricolored switch. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 5377-5380	2	6
8	Rupture of Polydomain and Monodomain Liquid Crystal Elastomer. <i>International Journal of Applied Mechanics</i> , <b>2016</b> , 08, 1640001	2.4	6
7	Three-Dimensional Printing of Liquid Crystal Elastomers and Their Applications. <i>ACS Applied Polymer Materials</i> ,	4.3	5
6	Admission Heart Rate Is Associated With Coronary Artery Disease Severity and Complexity in Patients With Acute Coronary Syndrome. <i>Angiology</i> , <b>2019</b> , 70, 774-781	2.1	2
5	Women With Early Menopause Have Higher Rates of Target Lesion Revascularization After Percutaneous Coronary Intervention. <i>Angiology</i> , <b>2016</b> , 67, 311-6	2.1	1
4	Synthesis and gelation property of amino acids-based dendronised oligomers. <i>Supramolecular Chemistry</i> , <b>2014</b> , 26, 435-441	1.8	1
3	Effects of network structures on the fracture of hydrogel. <i>Extreme Mechanics Letters</i> , <b>2021</b> , 49, 101495	3.9	1
2	Phenothiazine-Based Luminophores with AIE, Solvatochromism, and Mechanochromic Characteristics. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 11548-11556	3.4	0
1	Effect of Presence versus Absence of Hypertension on Admission Heart Rate-Associated Cardiovascular Risk in Patients with Acute Coronary Syndrome.. <i>International Journal of Hypertension</i> , <b>2022</b> , 2022, 3001737	2.4	