Zhijian Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8583988/publications.pdf

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51	3,222	212478	198040
papers	citations	28 h-index	52 g-index

55	55	55	3675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-Dimensional Printing of Liquid Crystal Elastomers and Their Applications. ACS Applied Polymer Materials, 2022, 4, 3153-3168.	2.0	20
2	Effect of Presence versus Absence of Hypertension on Admission Heart Rate-Associated Cardiovascular Risk in Patients with Acute Coronary Syndrome. International Journal of Hypertension, 2022, 2022, 1-7.	0.5	2
3	Râ€“Dâ€“A and Râ€“Dâ^'Ïâ€“A Structured AIEgens: Relationship between Electronic, Conformational Characteristics and Photophysical Properties. Journal of Physical Chemistry B, 2022, 126, 3082-3089.	1.2	0
4	Highly robust and soft biohybrid mechanoluminescence for optical signaling and illumination. Nature Communications, 2022, 13, .	5.8	30
5	Printing Multiâ€Material Organic Haptic Actuators. Advanced Materials, 2021, 33, e2002541.	11.1	35
6	Mechanics of vitrimer with hybrid networks. Mechanics of Materials, 2021, 153, 103687.	1.7	25
7	Self-sustained eversion or inversion of a thermally responsive torus. Physical Review E, 2021, 103, 033004.	0.8	21
8	3D Printing of Electrically Responsive PVC Gel Actuators. ACS Applied Materials & Interfaces, 2021, 13, 24164-24172.	4.0	27
9	Electrospun liquid crystal elastomer microfiber actuator. Science Robotics, 2021, 6, .	9.9	157
10	Phenothiazine-Based Luminophores with AIE, Solvatochromism, and Mechanochromic Characteristics. Journal of Physical Chemistry B, 2021, 125, 11548-11556.	1.2	10
11	Effects of network structures on the fracture of hydrogel. Extreme Mechanics Letters, 2021, 49, 101495.	2.0	15
12	Recyclable and Self-Repairable Fluid-Driven Liquid Crystal Elastomer Actuator. ACS Applied Materials & Interfaces, 2020, 12, 35464-35474.	4.0	80
13	Three-dimensional printing of functionally graded liquid crystal elastomer. Science Advances, 2020, 6, .	4.7	129
14	An Electrically Actuated Soft Artificial Muscle Based on a High-Performance Flexible Electrothermal Film and Liquid-Crystal Elastomer. ACS Applied Materials & Interfaces, 2020, 12, 56338-56349.	4.0	44
15	Recent progress in dynamic covalent chemistries for liquid crystal elastomers. Journal of Materials Chemistry B, 2020, 8, 6610-6623.	2.9	59
16	Electrically Controlled Soft Actuators with Multiple and Reprogrammable Actuation Modes. Advanced Intelligent Systems, 2020, 2, 1900177.	3.3	26
17	Electrically controlled liquid crystal elastomerâ€“based soft tubular actuator with multimodal actuation. Science Advances, 2019, 5, eaax5746.	4.7	312
18	Stretchable and transparent ionic diode and logic gates. Extreme Mechanics Letters, 2019, 28, 81-86.	2.0	41

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19	Admission Heart Rate Is Associated With Coronary Artery Disease Severity and Complexity in Patients With Acute Coronary Syndrome. Angiology, 2019, 70, 774-781.	0.8	2
20	Programmable actuation of liquid crystal elastomers via â€œlivingâ€•exchange reaction. Soft Matter, 2019, 15, 2811-2816.	1.2	63
21	A Lightâ€Powered Ultralight Tensegrity Robot with High Deformability and Load Capacity. Advanced Materials, 2019, 31, e1806849.	11.1	133
22	Bioinspired Design of Vascular Artificial Muscle. Advanced Materials Technologies, 2019, 4, 1800244.	3.0	86
23	Polydopamine-Coated Main-Chain Liquid Crystal Elastomer as Optically Driven Artificial Muscle. ACS Applied Materials & Interfaces, 2018, 10, 8307-8316.	4.0	147
24	A simple and robust way towards reversible mechanochromism: Using liquid crystal elastomer as a mask. Extreme Mechanics Letters, 2017, 11, 42-48.	2.0	35
25	Reprogrammable, Reprocessible, and Self-Healable Liquid Crystal Elastomer with Exchangeable Disulfide Bonds. ACS Applied Materials & Interfaces, 2017, 9, 33119-33128.	4.0	208
26	Porous double network gels with high toughness, high stretchability and fast solvent-absorption. Soft Matter, 2017, 13, 6852-6857.	1.2	25
27	Circulating Omentin-1 Levels Are Decreased in Dilated Cardiomyopathy Patients with Overt Heart Failure. Disease Markers, 2016, 2016, 1-7.	0.6	15
28	A Mechanochromic Single Crystal: Turning Two Color Changes into a Tricolored Switch. Angewandte Chemie - International Edition, 2016, 55, 519-522.	7.2	196
29	Rupture of Polydomain and Monodomain Liquid Crystal Elastomer. International Journal of Applied Mechanics, 2016, 08, 1640001.	1.3	11
30	Polymer nanofiber reinforced double network gel composite: Strong, tough and transparent. Extreme Mechanics Letters, 2016, 9, 165-170.	2.0	23
31	An Enzyme-Responsive Nanogel Carrier Based on PAMAM Dendrimers for Drug Delivery. ACS Applied Materials & Interfaces, 2016, 8, 19899-19906.	4.0	68
32	A mechano-responsive molecule with tricolored switch. Tetrahedron Letters, 2016, 57, 5377-5380.	0.7	6
33	Mechanically controlled FRET to achieve an independent three color switch. Journal of Materials Chemistry C, 2016, 4, 10914-10918.	2.7	30
34	Women With Early Menopause Have Higher Rates of Target Lesion Revascularization After Percutaneous Coronary Intervention. Angiology, 2016, 67, 311-316.	0.8	1
35	A poly(amidoamine) dendrimer-based nanocarrier conjugated with Angiopep-2 for dual-targeting function in treating glioma cells. Polymer Chemistry, 2016, 7, 715-721.	1.9	24
36	Mechanically Induced Multicolor Change of Luminescent Materials. ChemPhysChem, 2015, 16, 1811-1828.	1.0	220

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37	A Novel Mechanochromic and Photochromic Polymer Film: When Rhodamine Joins Polyurethane. Advanced Materials, 2015, 27, 6469-6474.	11.1	252
38	Controllable multicolor switching of oligopeptide-based mechanochromic molecules: from gel phase to solid powder. Journal of Materials Chemistry C, 2015, 3, 3399-3405.	2.7	30
39	Circulating chemerin levels elevated in dilated cardiomyopathy patients with overt heart failure. Clinica Chimica Acta, 2015, 448, 27-32.	0.5	29
40	Mechanically induced color change based on the chromophores of anthracene and rhodamine 6G. Tetrahedron Letters, 2015, 56, 393-396.	0.7	25
41	Mechanical activation of a dithioester derivative-based retro RAFT-HDA reaction. Polymer Chemistry, 2014, 5, 6893-6897.	1.9	10
42	Selfâ€immolative nanoparticles triggered by hydrogen peroxide and pH. Journal of Polymer Science Part A, 2014, 52, 1962-1969.	2.5	11
43	Mechanochromic and photochromic dual-responsive properties of an amino acid based molecule in polymorphic phase. RSC Advances, 2014, 4, 20239.	1.7	15
44	Synthesis and gelation property of amino acids-based dendronised oligomers. Supramolecular Chemistry, 2014, 26, 435-441.	1.5	1
45	The mechanically induced color change from UV to visible region. Tetrahedron Letters, 2013, 54, 6504-6506.	0.7	21
46	Photoresponsive Dendronized Copolymers of Styrene and Maleic Anhydride Pendant with Poly(amidoamine) Dendrons as Side Groups. Macromolecules, 2013, 46, 1723-1731.	2.2	28
47	An extended Nishihara model for the description of three stages of sandstone creep. Geophysical Journal International, 2013, 193, 841-854.	1.0	67
48	Mechanically Induced Multicolor Switching Based on a Single Organic Molecule. Angewandte Chemie - International Edition, 2013, 52, 12268-12272.	7.2	201
49	Structure and electrical properties of ternary BiFeO3-BaTiO3-PbTiO3 high-temperature piezoceramics. Journal of Advanced Ceramics, 2012, 1, 227-231.	8.9	17
50	Porous Gold Nanobelts Templated by Metalâ^'Surfactant Complex Nanobelts. Langmuir, 2010, 26, 12330-12335.	1.6	51
51	Template Synthesis of Hierarchical Bi₂E₃ (E = S, Se, Te) Coreâ^'Shell Microspheres and Their Electrochemical and Photoresponsive Properties. Journal of Physical Chemistry C, 2009, 113, 18075-18081.	1.5	65