

Mohand O Saed

List of Publications by Year in descending order

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32
papers

1,801
citations

279701

23
h-index

414303

32
g-index

33
all docs

33
docs citations

33
times ranked

1251
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchangeable Liquid Crystalline Elastomers and Their Applications. <i>Chemical Reviews</i> , 2022, 122, 4927-4945.	23.0	91
2	Dynamic Pressure Sensitive Adhesion in Nematic Phase of Liquid Crystal Elastomers. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	15
3	Thiol- α -acrylate side-chain liquid crystal elastomers. <i>Soft Matter</i> , 2022, 18, 4803-4809.	1.2	2
4	A Copolymer-in-Oil Tissue-Mimicking Material With Tuneable Acoustic and Optical Characteristics for Photoacoustic Imaging Phantoms. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3593-3603.	5.4	10
5	Continuous spinning aligned liquid crystal elastomer fibers with a 3D printer setup. <i>Soft Matter</i> , 2021, 17, 5436-5443.	1.2	19
6	Internal constraints and arrested relaxation in main-chain nematic elastomers. <i>Nature Communications</i> , 2021, 12, 787.	5.8	30
7	Heliotracking Device using Liquid Crystalline Elastomer Actuators. <i>Advanced Materials Technologies</i> , 2021, 6, 2100681.	3.0	17
8	Dynamic Semicrystalline Networks of Polypropylene with Thiol-Anhydride Exchangeable Crosslinks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42044-42051.	4.0	31
9	Impact damping and vibration attenuation in nematic liquid crystal elastomers. <i>Nature Communications</i> , 2021, 12, 6676.	5.8	36
10	Liquid Crystalline Vitrimers with Full or Partial Boronic-Ester Bond Exchange. <i>Advanced Functional Materials</i> , 2020, 30, 1906458.	7.8	99
11	Transesterification in Epoxy-Thiol Exchangeable Liquid Crystalline Elastomers. <i>Macromolecules</i> , 2020, 53, 8642-8649.	2.2	30
12	Scalable upcycling of thermoplastic polyolefins into vitrimers through transesterification. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24137-24147.	5.2	68
13	The effect of alignment on the rate-dependent behavior of a main-chain liquid crystal elastomer. <i>Soft Matter</i> , 2020, 16, 8782-8798.	1.2	14
14	Catalytic Control of Plastic Flow in Siloxane-Based Liquid Crystalline Elastomer Networks. <i>ACS Macro Letters</i> , 2020, 9, 749-755.	2.3	28
15	Siloxane crosslinks with dynamic bond exchange enable shape programming in liquid-crystalline elastomers. <i>Scientific Reports</i> , 2020, 10, 6609.	1.6	69
16	Rates of transesterification in epoxy-thiol vitrimers. <i>Soft Matter</i> , 2020, 16, 5195-5202.	1.2	42
17	Light-Driven Dynamic Adhesion on Photosensitized Nematic Liquid Crystalline Elastomers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31992-31997.	4.0	28
18	Dynamic Manipulation of Friction in Smart Textile Composites of Liquid-Crystal Elastomers. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901996.	1.9	22

#	ARTICLE	IF	CITATIONS
19	Elasticity and Relaxation in Full and Partial Vitriimer Networks. <i>Macromolecules</i> , 2019, 52, 7423-7429.	2.2	52
20	Enhanced Dynamic Adhesion in Nematic Liquid Crystal Elastomers. <i>Advanced Materials</i> , 2019, 31, e1902642.	11.1	48
21	Responsive, 3D Electronics Enabled by Liquid Crystal Elastomer Substrates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19506-19513.	4.0	38
22	Molecularly Engineered, 4D-Printed Liquid Crystal Elastomer Actuators. <i>Advanced Functional Materials</i> , 2019, 29, 1806412.	7.8	234
23	Fully recoverable rigid shape memory foam based on copper-catalyzed azide-alkyne cycloaddition (CuAAC) using a salt leaching technique. <i>Polymer Chemistry</i> , 2018, 9, 121-130.	1.9	12
24	Liquid Crystal Elastomer-Based Microelectrode Array for In Vitro Neuronal Recordings. <i>Micromachines</i> , 2018, 9, 416.	1.4	24
25	Liquid-crystal order during synthesis affects main-chain liquid-crystal elastomer behavior. <i>Soft Matter</i> , 2017, 13, 7013-7025.	1.2	59
26	High strain actuation liquid crystal elastomers via modulation of mesophase structure. <i>Soft Matter</i> , 2017, 13, 7537-7547.	1.2	106
27	Thiol-acrylate main-chain liquid-crystalline elastomers with tunable thermomechanical properties and actuation strain. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 157-168.	2.4	106
28	Viscoelasticity of the polydomain-monodomain transition in main-chain liquid crystal elastomers. <i>Polymer</i> , 2016, 98, 165-171.	1.8	49
29	Synthesis of Programmable Main-chain Liquid-crystalline Elastomers Using a Two-stage Thiol-acrylate Reaction. <i>Journal of Visualized Experiments</i> , 2016, , e53546.	0.2	36
30	Tailorable and programmable liquid-crystalline elastomers using a two-stage thiol-acrylate reaction. <i>RSC Advances</i> , 2015, 5, 18997-19001.	1.7	342
31	High-strength poly(<i>para</i> -phenylene) as an orthopedic biomaterial. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3122-3129.	2.1	18
32	Photo-CuAAC Induced Wrinkle Formation in a Thiol-Acrylate Elastomer via Sequential Click Reactions. <i>Chemistry of Materials</i> , 2014, 26, 5303-5309.	3.2	26