Mohand O Saed

List of Publications by Year
in descending order

32 papers	1,801 citations	279798 23 h-index	414414 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. Chemical Reviews, 2022, 122, 4927-4945.	47.7	91
2	Dynamic Pressure Sensitive Adhesion in Nematic Phase of Liquid Crystal Elastomers. Advanced Functional Materials, 2022, 32, .	14.9	15
3	Thiolâ€“acrylate side-chain liquid crystal elastomers. Soft Matter, 2022, 18, 4803-4809.	2.7	2
4	A Copolymer-in-Oil Tissue-Mimicking Material With Tuneable Acoustic and Optical Characteristics for Photoacoustic Imaging Phantoms. IEEE Transactions on Medical Imaging, 2021, 40, 3593-3603.	8.9	10
5	Continuous spinning aligned liquid crystal elastomer fibers with a 3D printer setup. Soft Matter, 2021, 17, 5436-5443.	2.7	19
6	Internal constraints and arrested relaxation in main-chain nematic elastomers. Nature Communications, 2021, 12, 787.	12.8	30
7	Heliotracking Device using Liquid Crystalline Elastomer Actuators. Advanced Materials Technologies, 2021, 6, 2100681.	5.8	17
8	Dynamic Semicrystalline Networks of Polypropylene with Thiol-Anhydride Exchangeable Crosslinks. ACS Applied Materials & Interfaces, 2021, 13, 42044-42051.	8.0	31
9	Impact damping and vibration attenuation in nematic liquid crystal elastomers. Nature Communications, 2021, 12, 6676.	12.8	36
10	Liquid Crystalline Vitrimers with Full or Partial Boronicâ€Ester Bond Exchange. Advanced Functional Materials, 2020, 30, 1906458.	14.9	99
11	Transesterification in Epoxyâ€“Thiol Exchangeable Liquid Crystalline Elastomers. Macromolecules, 2020, 53, 8642-8649.	4.8	30
12	Scalable upcycling of thermoplastic polyolefins into vitrimers through transesterification. Journal of Materials Chemistry A, 2020, 8, 24137-24147.	10.3	68
13	The effect of alignment on the rate-dependent behavior of a main-chain liquid crystal elastomer. Soft Matter, 2020, 16, 8782-8798.	2.7	14
14	Catalytic Control of Plastic Flow in Siloxane-Based Liquid Crystalline Elastomer Networks. ACS Macro Letters, 2020, 9, 749-755.	4.8	28
15	Siloxane crosslinks with dynamic bond exchange enable shape programming in liquid-crystalline elastomers. Scientific Reports, 2020, 10, 6609.	3.3	69
16	Rates of transesterification in epoxyâ€“thiol vitrimers. Soft Matter, 2020, 16, 5195-5202.	2.7	42
17	Light-Driven Dynamic Adhesion on Photosensitized Nematic Liquid Crystalline Elastomers. ACS Applied Materials & Interfaces, 2020, 12, 31992-31997.	8.0	28
18	Dynamic Manipulation of Friction in Smart Textile Composites of Liquidâ€Crystal Elastomers. Advanced Materials Interfaces, 2020, 7, 1901996.	3.7	22

#	Article	IF	Citations
19	Elasticity and Relaxation in Full and Partial Vitrimer Networks. Macromolecules, 2019, 52, 7423-7429.	4.8	52
20	Enhanced Dynamic Adhesion in Nematic Liquid Crystal Elastomers. Advanced Materials, 2019, 31, e1902642.	21.0	48
21	Responsive, 3D Electronics Enabled by Liquid Crystal Elastomer Substrates. ACS Applied Materials & Interfaces, 2019, 11, 19506-19513.	8.0	38
22	Molecularlyâ€Engineered, 4Dâ€Printed Liquid Crystal Elastomer Actuators. Advanced Functional Materials, 2019, 29, 1806412.	14.9	234
23	Fully recoverable rigid shape memory foam based on copper-catalyzed azideâ€“alkyne cycloaddition (CuAAC) using a salt leaching technique. Polymer Chemistry, 2018, 9, 121-130.	3.9	12
24	Liquid Crystal Elastomer-Based Microelectrode Array for In Vitro Neuronal Recordings. Micromachines, 2018, 9, 416.	2.9	24
25	Liquid-crystal order during synthesis affects main-chain liquid-crystal elastomer behavior. Soft Matter, 2017, 13, 7013-7025.	2.7	59
26	High strain actuation liquid crystal elastomers via modulation of mesophase structure. Soft Matter, 2017, 13, 7537-7547.	2.7	106
27	Thiolâ€acrylate mainâ€chain liquidâ€crystalline elastomers with tunable thermomechanical properties and actuation strain. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 157-168.	2.1	106
28	Viscoelasticity of the polydomain-monodomain transition in main-chain liquid crystal elastomers. Polymer, 2016, 98, 165-171.	3.8	49
29	Synthesis of Programmable Main-chain Liquid-crystalline Elastomers Using a Two-stage Thiol-acrylate Reaction. Journal of Visualized Experiments, 2016, , e53546.	0.3	36
30	Tailorable and programmable liquid-crystalline elastomers using a two-stage thiolâ€“acrylate reaction. RSC Advances, 2015, 5, 18997-19001.	3.6	342
31	Highâ€strength poly(paraâ€phenylene) as an orthopedic biomaterial. Journal of Biomedical Materials Research - Part A, 2014, 102, 3122-3129.	4.0	18
32	Photo-CuAAC Induced Wrinkle Formation in a Thiolâ€“Acrylate Elastomer via Sequential Click Reactions. Chemistry of Materials, 2014, 26, 5303-5309.	6.7	26