

Devesh Mistry

List of Publications by Year in descending order

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14
papers

451
citations

840776

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387
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquidâ€Crystalâ€Elastomerâ€Based Dissipative Structures by Digital Light Processing 3D Printing. <i>Advanced Materials</i> , 2020, 32, e2000797.	21.0	120
2	Soft elasticity optimises dissipation in 3D-printed liquid crystal elastomers. <i>Nature Communications</i> , 2021, 12, 6677.	12.8	54
3	Coincident molecular auxeticity and negative order parameter in a liquid crystal elastomer. <i>Nature Communications</i> , 2018, 9, 5095.	12.8	53
4	Dynamically Crystallizing Liquidâ€Crystal Elastomers for an Expandable Endplateâ€Conforming Interbody Fusion Cage. <i>Advanced Healthcare Materials</i> , 2020, 9, 1901136.	7.6	37
5	New insights into the nature of semi-soft elasticity and â€œmechanical-FrÃ©edericksz transitionsâ€in liquid crystal elastomers. <i>Soft Matter</i> , 2018, 14, 1301-1310.	2.7	34
6	Novel switching mode in a vertically aligned liquid crystal contact lens. <i>Optics Express</i> , 2015, 23, 9911.	3.4	30
7	Processing and reprocessing liquid crystal elastomer actuators. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	30
8	Isotropic Liquid Crystal Elastomers as Exceptional Photoelastic Strain Sensors. <i>Macromolecules</i> , 2020, 53, 3709-3718.	4.8	25
9	Graphene electrodes for adaptive liquid crystal contact lenses. <i>Optics Express</i> , 2016, 24, 8782.	3.4	24
10	Mechanical deformations of a liquid crystal elastomer at director angles between 0Â° and 90Â°: Deducing an empirical model encompassing anisotropic nonlinearity. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1367-1377.	2.1	20
11	Understanding the physics of the auxetic response in a liquid crystal elastomer. <i>Physical Review Research</i> , 2021, 3, .	3.6	17
12	The richness of liquid crystal elastomer mechanics keeps growing. <i>Liquid Crystals Today</i> , 2021, 30, 59-66.	2.3	4
13	Toward Programmed Complex Stress-Induced Mechanical Deformations of Liquid Crystal Elastomers. <i>Crystals</i> , 2020, 10, 315.	2.2	3
14	Report on the 2015 IOP Advanced School in Soft Condensed Matter â€Solutions in the Springâ€™ 13â€16 April. <i>Liquid Crystals Today</i> , 2015, 24, 127-129.	2.3	0