

Devesh Mistry

List of Publications by Year in descending order

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14
papers

451
citations

840776

11
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

387
citing authors

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