

Rahul P Trivedi

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

790
citations

933447

10
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonsingular defects and self-assembly of colloidal particles in cholesteric liquid crystals. <i>Physical Review E</i> , 2016, 94, 062703.	2.1	9
2	Optical Microscopy of Soft Matter Systems. , 2016, , 165-186.		6
3	Two-dimensional skyrmions and other solitonic structures in confinement-frustrated chiral nematics. <i>Physical Review E</i> , 2014, 90, 012505.	2.1	109
4	Topological defects in cholesteric liquid crystals induced by monolayer domains with orientational chirality. <i>Soft Matter</i> , 2014, 10, 8163-8170.	2.7	6
5	Unconventional structure-assisted optical manipulation of high-index nanowires in liquid crystals. <i>Optics Express</i> , 2012, 20, 7741.	3.4	12
6	Optically generated reconfigurable photonic structures of elastic quasiparticles in frustrated cholesteric liquid crystals. <i>Optics Express</i> , 2012, 20, 6870.	3.4	30
7	Reconfigurable interactions and three-dimensional patterning of colloidal particles and defects in lamellar soft media. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4744-4749.	7.1	62
8	Three-dimensional parallel particle manipulation and tracking by integrating holographic optical tweezers and engineered point spread functions. <i>Optics Express</i> , 2011, 19, 3835.	3.4	52
9	Three-dimensional imaging of liquid crystal structures and defects by means of holographic manipulation of colloidal nanowires with faceted sidewalls. <i>Soft Matter</i> , 2011, 7, 6304.	2.7	46
10	Healing of Defects at the Interface of Nematic Liquid Crystals and Structured Langmuir-Blodgett Monolayers. <i>Physical Review Letters</i> , 2011, 107, 177801.	7.8	15
11	Three-dimensional structure and multistable optical switching of triple-twisted particle-like excitations in anisotropic fluids. <i>Nature Materials</i> , 2010, 9, 139-145.	27.5	270
12	Three dimensional optical manipulation and structural imaging of soft materials by use of laser tweezers and multimodal nonlinear microscopy. <i>Optics Express</i> , 2010, 18, 27658.	3.4	74
13	Multimodal nonlinear optical polarizing microscopy of long-range molecular order in liquid crystals. <i>Optics Letters</i> , 2010, 35, 3447.	3.3	92
14	Non-contact optical control of multiple particles and defects using holographic optical trapping with phase-only liquid crystal spatial light modulator. , 2009, , .		7