

Chaitanya K Ullal

List of Publications by Year in descending order

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36
papers

2,223
citations

304602

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377752

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times ranked

2690
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-Resolution Imaging of Spatial Heterogeneities in Model Thermosensitive Hydrogels with Implications for Their Origins. <i>Macromolecules</i> , 2021, 54, 7743-7753.	2.2	5
2	Coupled Electromagnetic and Reaction Kinetics Simulation of Super-Resolution Interference Lithography. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7717-7724.	1.2	1
3	One-pot surfactant-free modulation of size and functional group distribution in thermoresponsive microgels. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 264-272.	5.0	4
4	Dye doped concentric shell nanoparticles for enhanced photophysical performance of downconverting light emitting diodes. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 753-760.	5.0	4
5	Super-resolution interference lithography enabled by non-equilibrium kinetics of photochromic monolayers. <i>RSC Advances</i> , 2019, 9, 28841-28850.	1.7	8
6	Electron mobility in graphene without invoking the Dirac equation. <i>American Journal of Physics</i> , 2019, 87, 291-295.	0.3	13
7	Effect of Chemical Microenvironment in Spirothiopyran Monolayer Direct-Write Photoresists. <i>Langmuir</i> , 2019, 35, 3871-3879.	1.6	8
8	Corona Treatment for Nanotransfer Molding Adhesion. <i>ACS Applied Polymer Materials</i> , 2019, 1, 997-1005.	2.0	4
9	Quantification of functional crosslinker reaction kinetics via super-resolution microscopy of swollen microgels. <i>Soft Matter</i> , 2019, 15, 9336-9342.	1.2	11
10	Size effects in plasma-enhanced nano-transfer adhesion. <i>Soft Matter</i> , 2018, 14, 9220-9226.	1.2	1
11	3D mapping of nanoscale crosslink heterogeneities in microgels. <i>Materials Horizons</i> , 2018, 5, 1130-1136.	6.4	37
12	Aptamer functionalized silver clusters for STED microscopy. <i>RSC Advances</i> , 2017, 7, 11821-11826.	1.7	4
13	Spirothiopyran-Based Reversibly Saturable Photoresist. <i>Chemistry of Materials</i> , 2017, 29, 4754-4760.	3.2	29
14	Wetting Regimes for Residual-Layer-Free Transfer Molding at Micro- and Nanoscales. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36385-36391.	4.0	15
15	Bimodal "matrix-free" polymer nanocomposites. <i>RSC Advances</i> , 2015, 5, 14788-14795.	1.7	37
16	Flexible Microdomain Specific Staining of Block Copolymers for 3D Optical Nanoscopy. <i>Macromolecules</i> , 2011, 44, 7508-7510.	2.2	23
17	Fast STED Microscopy for Live Cell Imaging. <i>Biophysical Journal</i> , 2011, 100, 355a.	0.2	0
18	Dynamic Imaging of Colloidal-Crystal Nanostructures at 200 Frames per Second. <i>Langmuir</i> , 2010, 26, 14400-14404.	1.6	31

#	ARTICLE	IF	CITATIONS
19	Block Copolymer Nanostructures Mapped by Far-Field Optics. Nano Letters, 2009, 9, 2497-2500.	4.5	53
20	Resolution scaling in STED microscopy. Optics Express, 2008, 16, 4154.	1.7	380
21	Three-Dimensional Nanoscopy of Colloidal Crystals. Nano Letters, 2008, 8, 1309-1313.	4.5	177
22	Shape Control of Multivalent 3D Colloidal Particles via Interference Lithography. Nano Letters, 2007, 7, 647-651.	4.5	41
23	3D Micro- and Nanostructures via Interference Lithography. Advanced Functional Materials, 2007, 17, 3027-3041.	7.8	192
24	Sub-Micrometer Scale Periodic Porous Cellular Structures: Microframes Prepared by Holographic Interference Lithography. Advanced Materials, 2007, 19, 3809-3813.	11.1	58
25	Mechanically Tunable Three-Dimensional Elastomeric Network/Air Structures via Interference Lithography. Nano Letters, 2006, 6, 740-743.	4.5	98
26	The Elastic Properties and Plastic Behavior of Two-Dimensional Polymer Structures Fabricated by Laser Interference Lithography. Advanced Functional Materials, 2006, 16, 1324-1330.	7.8	34
27	3D Polymer Microframes That Exploit Length-Scale-Dependent Mechanical Behavior. Advanced Materials, 2006, 18, 2123-2127.	11.1	61
28	Functional Biomimetic Microlens Arrays with Integrated Pores. Advanced Materials, 2005, 17, 435-438.	11.1	84
29	Microlens arrays with integrated pores as a multipattern photomask. Applied Physics Letters, 2005, 86, 201121.	1.5	22
30	Hypersonic Phononic Crystals. Physical Review Letters, 2005, 94, 115501.	2.9	287
31	Photonic crystals through holographic lithography: Simple cubic, diamond-like, and gyroid-like structures. Applied Physics Letters, 2004, 84, 5434-5436.	1.5	185
32	Exploring for 3D photonic bandgap structures in the 11 f.c.c. space groups. Nature Materials, 2003, 2, 664-667.	13.3	87
33	Triply periodic bicontinuous structures through interference lithography: a level-set approach. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 948.	0.8	89
34	Exploring Space Groups for Three Dimensional Photonic Band Gap Structures Via Level Set Equations: The Face Centered Cubic Lattice. Materials Research Society Symposia Proceedings, 2003, 788, 1071.	0.1	0
35	Dielectric omnidirectional visible reflector. Optics Letters, 2001, 26, 1197.	1.7	109
36	Non-equilibrium phase synthesis in Al ₂ O ₃ -Y ₂ O ₃ by spray pyrolysis of nitrate precursors. Acta Materialia, 2001, 49, 2691-2699.	3.8	31