

Shilpa N Raja

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

877
citations

1040056

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docs citations

10
times ranked

2043
citing authors

#	ARTICLE	IF	CITATIONS
1	Encapsulation of Perovskite Nanocrystals into Macroscale Polymer Matrices: Enhanced Stability and Polarization. ACS Applied Materials & Interfaces, 2016, 8, 35523-35533.	8.0	398
2	Structural diversity in binary superlattices self-assembled from polymer-grafted nanocrystals. Nature Communications, 2015, 6, 10052.	12.8	199
3	Tracking Nanoparticle Diffusion and Interaction during Self-Assembly in a Liquid Cell. Nano Letters, 2017, 17, 15-20.	9.1	82
4	Tetrapod Nanocrystals as Fluorescent Stress Probes of Electrospun Nanocomposites. Nano Letters, 2013, 13, 3915-3922.	9.1	58
5	Influence of three-dimensional nanoparticle branching on the Young's modulus of nanocomposites: Effect of interface orientation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6533-6538.	7.1	33
6	Characterizing Photon Reabsorption in Quantum Dot-Polymer Composites for Use as Displacement Sensors. ACS Nano, 2017, 11, 2075-2084.	14.6	32
7	Strain-dependent dynamic mechanical properties of Kevlar to failure: Structural correlations and comparisons to other polymers. Materials Today Communications, 2015, 2, e33-e37.	1.9	27
8	Mechanisms of Local Stress Sensing in Multifunctional Polymer Films Using Fluorescent Tetrapod Nanocrystals. Nano Letters, 2016, 16, 5060-5067.	9.1	22
9	Cavitation-Induced Stiffness Reductions in Quantum Dot-Polymer Nanocomposites. Chemistry of Materials, 2016, 28, 2540-2549.	6.7	22
10	Microscopic mechanisms of deformation transfer in high dynamic range branched nanoparticle deformation sensors. Nature Communications, 2018, 9, 1155.	12.8	4