

# Shilpa N Raja

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/307039/publications.pdf>

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10  
papers

877  
citations

1040056

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1372567

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docs citations

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2043  
citing authors

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