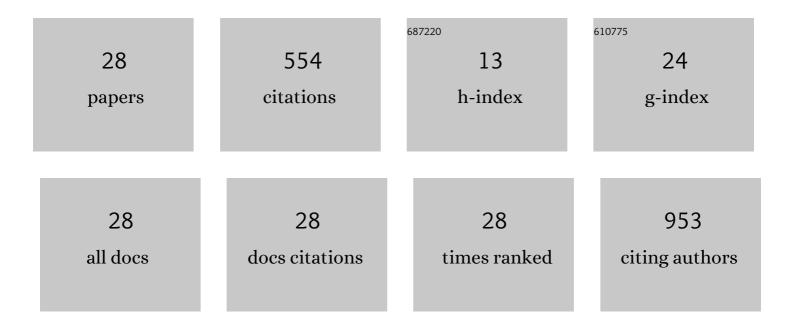
Sayantani Ghosh

List of Publications by Year in descending order

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SAVANTANI CHOSH

#	Article	IF	CITATIONS
1	Quantum dot/liquid crystal composite materials: self-assembly driven by liquid crystal phase transition templating. Journal of Materials Chemistry C, 2013, 1, 5527.	2.7	73
2	Hybrid Perovskite Thin Films as Highly Efficient Luminescent Solar Concentrators. Advanced Optical Materials, 2016, 4, 2126-2132.	3.6	62
3	Enhancing Charge Carrier Delocalization in Perovskite Quantum Dot Solids with Energetically Aligned Conjugated Capping Ligands. ACS Energy Letters, 2020, 5, 817-825.	8.8	58
4	Tuning Quantumâ€Dot Organization in Liquid Crystals for Robust Photonic Applications. ChemPhysChem, 2014, 15, 1413-1421.	1.0	50
5	Nature inspiring processing route toward high throughput production of perovskite photovoltaics. Journal of Materials Chemistry A, 2016, 4, 6989-6997.	5.2	32
6	Self-assembled nanoparticle micro-shells templated by liquid crystal sorting. Soft Matter, 2015, 11, 1701-1707.	1.2	29
7	Stabilization of the Cubic Crystalline Phase in Organometal Halide Perovskite Quantum Dots via Surface Energy Manipulation. Journal of Physical Chemistry Letters, 2017, 8, 5378-5384.	2.1	27
8	Quantum Dot/Liquid Crystal Nanocomposites in Photonic Devices. Photonics, 2015, 2, 855-864.	0.9	25
9	Size and temperature dependence of photoluminescence of hybrid perovskite nanocrystals. Journal of Chemical Physics, 2019, 151, 154705.	1.2	24
10	Dynamics of spontaneous emission of quantum dots in a one-dimensional cholesteric liquid crystal photonic cavity. RSC Advances, 2012, 2, 12759.	1.7	22
11	Electrohydrodynamically Assisted Deposition of Efficient Perovskite Photovoltaics. Advanced Materials Interfaces, 2016, 3, 1500762.	1.9	21
12	Low temperature excitonic spectroscopy and dynamics as a probe of quality in hybrid perovskite thin films. Physical Chemistry Chemical Physics, 2016, 18, 28428-28433.	1.3	16
13	High Efficiency Luminescent Solar Concentrator based on Organoâ€Metal Halide Perovskite Quantum Dots with Plasmon Enhancement. Advanced Optical Materials, 2021, 9, 2100754.	3.6	16
14	All-optical switching of nematic liquid crystal films driven by localized surface plasmons. Optics Express, 2015, 23, 6888.	1.7	12
15	The potential of scalability in high efficiency hybrid perovskite thin film luminescent solar concentrators. Solar Energy, 2019, 183, 392-397.	2.9	12
16	Magnetic field induced quantum dot brightening in liquid crystal synergized magnetic and semiconducting nanoparticle composite assemblies. Soft Matter, 2015, 11, 255-260.	1.2	11
17	Free-energy model for nanoparticle self-assembly by liquid crystal sorting. Physical Review E, 2018, 97, 062704.	0.8	11
18	Modulating Charge Carrier Dynamics and Transfer via Surface Modifications in Organometallic Halide Perovskite Quantum Dots, Journal of Physical Chemistry Letters, 2020, 11, 7886-7892	2.1	11

#	Article	IF	CITATIONS
19	Plasmon-actuated nano-assembled microshells. Scientific Reports, 2017, 7, 17788.	1.6	10
20	Nanostructured photovoltaics. Nano Futures, 2019, 3, 012002.	1.0	9
21	Low-Temperature Energy Transfer <i>via</i> Self-Trapped Excitons in Mn ²⁺ -Doped 2D Organometal Halide Perovskites. Journal of Physical Chemistry Letters, 2020, 11, 10368-10374.	2.1	9
22	Effect of mesogenic ligands on short and long-term spectral dynamics and stability of core–shell CdSe/ZnS quantum dots. Materials Research Express, 2016, 3, 105029.	0.8	4
23	Impact of Bis(imino)pyridine Ligands on Mesoscale Properties of CdSe/ZnS Quantum Dots. Journal of Physical Chemistry C, 2020, 124, 22677-22683.	1.5	3
24	Optical switching of nematic liquid crystal film arising from induced electric field of localized surface plasmon resonance. Proceedings of SPIE, 2015, , .	0.8	2
25	Directed assembly of magnetic and semiconducting nanoparticles with tunable and synergistic functionality. Scientific Reports, 2019, 9, 15784.	1.6	2
26	Tuning Excitonic Properties of Pure and Mixed Halide Perovskite Thin Films via Interfacial Engineering. Advanced Materials Interfaces, 2018, 5, 1800209.	1.9	1
27	Modeling broadband cloaking using 3D nano-assembled plasmonic meta-structures. Optics Express, 2020, 28, 22732.	1.7	1
28	Tuning three-dimensional nano-assembly in the mesoscale via bis(imino)pyridine molecular functionalization. Scientific Reports, 2022, 12, 844.	1.6	1