Avishek Saha

List of Publications by Year
in descending order

28 papers	962 citations	516710 16 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1784 citing authors

#	Article	IF	Citations
1	Carbon nanotube networks on different platforms. Carbon, 2014, 79, 1-18.	10.3	115
2	Optical Bifunctionality of Europium-Complexed Luminescent Graphene Nanosheets. Nano Letters, 2011, 11, 5227-5233.	9.1	88
3	Increased Solubility, Liquid-Crystalline Phase, and Selective Functionalization of Single-Walled Carbon Nanotube Polyelectrolyte Dispersions. ACS Nano, 2013, 7, 4503-4510.	14.6	86
4	Macroscopic Nanotube Fibers Spun from Single-Walled Carbon Nanotube Polyelectrolytes. ACS Nano, 2014, 8, 9107-9112.	14.6	81
5	Narrow-band single-photon emission through selective aryl functionalization of zigzag carbon nanotubes. Nature Chemistry, 2018, 10, 1089-1095.	13.6	78
6	Interfacial charge transfer in functionalized multi-walled carbon nanotube@TiO₂ nanofibres. Nanoscale, 2017, 9, 7911-7921.	5.6	71
7	Understanding Charge-Transfer Characteristics in Crystalline Nanosheets of Fullerene/(Metallo)porphyrin Cocrystals. Journal of the American Chemical Society, 2017, 139, 10578-10584.	13.7	64
8	Probing a Bifunctional Luminomagnetic Nanophosphor for Biological Applications: a Photoluminescence and Timeâ€Resolved Spectroscopic Study. Small, 2011, 7, 1767-1773.	10.0	48
9	Highly Luminescentâ€“Paramagnetic Nanophosphor Probes for In Vitro Highâ€Contrast Imaging of Human Breast Cancer Cells. Small, 2012, 8, 3028-3034.	10.0	46
10	Non-covalent ruthenium polypyridyl complexesâ€“carbon nanotubes composites: an alternative for functional dissolution of carbon nanotubes in solution. Chemical Communications, 2011, 47, 2246.	4.1	34
11	Optical Effects of Divalent Functionalization of Carbon Nanotubes. Chemistry of Materials, 2019, 31, 6950-6961.	6.7	33
12	Films of Bare Single-Walled Carbon Nanotubes from Superacids with Tailored Electronic and Photoluminescence Properties. ACS Nano, 2012, 6, 5727-5734.	14.6	22
13	Mod(n-m,3) Dependence of Defect-State Emission Bands in Aryl-Functionalized Carbon Nanotubes. Nano Letters, 2019, 19, 8503-8509.	9.1	22
14	Photodoping and Enhanced Visible Light Absorption in Singleâ€Walled Carbon Nanotubes Functionalized with a Wide Band Gap Oligomer. Advanced Materials, 2015, 27, 162-167.	21.0	20
15	Light harvesting enhancement upon incorporating alloy structured CdSe_XTe_{1â^'X} quantum dots in DPP:PC₆₁BM bulk heterojunction solar cells. Journal of Materials Chemistry C, 2017, 5, 654-662.	5.5	20
16	Tuning electron transfer in supramolecular nano-architectures made of fullerenes and porphyrins. Nanoscale, 2019, 11, 10782-10790.	5.6	16
17	Threeâ€Dimensional Solventâ€Vapor Map Generated by Supramolecular Metalâ€Complex Entrapment. Angewandte Chemie - International Edition, 2013, 52, 12615-12618.	13.8	15
18	Bulbous goldâ€“carbon nanodot hybrid nanoclusters for cancer therapy. Journal of Materials Chemistry B, 2017, 5, 8591-8599.	5.8	14

#	Article	IF	Citations
19	Hidden Fine Structure of Quantum Defects Revealed by Single Carbon Nanotube Magneto-Photoluminescence. ACS Nano, 2020, 14, 3451-3460.	14.6	14
20	Supramolecular One-Dimensional n/p-Nanofibers. Scientific Reports, 2015, 5, 14154.	3.3	12
21	Sulfur rich electron donors â€“ formation of singlet versus triplet radical ion pair states featuring different lifetimes in the same conjugate. Chemical Science, 2017, 8, 1360-1368.	7.4	12
22	Electroluminescence from Single-Walled Carbon Nanotubes with Quantum Defects. ACS Nano, 2022, 16, 11742-11754.	14.6	11
23	Single-walled carbon nanotubes shell decorating porous silicate materials: A general platform for studying the interaction of carbon nanotubes with photoactive molecules. Chemical Science, 2011, 2, 1682.	7.4	10
24	Visible LED-based photo-redox properties of sulfur and nitrogen-doped carbon dots designed by solid-state synthesis. Materials Advances, 2022, 3, 355-361.	5.4	10
25	Carbon nanotubes dispersed in aqueous solution by ruthenium(ii) polypyridyl complexes. Nanoscale, 2016, 8, 13488-13497.	5.6	8
26	Recent Advances in the Applications of Carbon Nanostructures on Optical Sensing of Emerging Aquatic Pollutants. ChemNanoMat, 2022, 8, .	2.8	6
27	Solidâ€state Synthesis of Cu doped CDs with Peroxidaseâ€mimicking Activity at Neutral pH and Sensing of Antioxidants. ChemNanoMat, 2022, 8, .	2.8	2
28	Constraining Photoluminescent Defect States in Chirality-Sorted Covalently Doped Single-Walled Carbon Nanotubes. ECS Meeting Abstracts, 2018, , .	0.0	0