

Avishek Saha

List of Publications by Year in descending order

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papers

962
citations

516710

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1784
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible LED-based photo-redox properties of sulfur and nitrogen-doped carbon dots designed by solid-state synthesis. <i>Materials Advances</i> , 2022, 3, 355-361.	5.4	10
2	Solid-state Synthesis of Cu doped CDs with Peroxidase-mimicking Activity at Neutral pH and Sensing of Antioxidants. <i>ChemNanoMat</i> , 2022, 8, .	2.8	2
3	Recent Advances in the Applications of Carbon Nanostructures on Optical Sensing of Emerging Aquatic Pollutants. <i>ChemNanoMat</i> , 2022, 8, .	2.8	6
4	Electroluminescence from Single-Walled Carbon Nanotubes with Quantum Defects. <i>ACS Nano</i> , 2022, 16, 11742-11754.	14.6	11
5	Hidden Fine Structure of Quantum Defects Revealed by Single Carbon Nanotube Magneto-Photoluminescence. <i>ACS Nano</i> , 2020, 14, 3451-3460.	14.6	14
6	Mod(n-m,3) Dependence of Defect-State Emission Bands in Aryl-Functionalized Carbon Nanotubes. <i>Nano Letters</i> , 2019, 19, 8503-8509.	9.1	22
7	Optical Effects of Divalent Functionalization of Carbon Nanotubes. <i>Chemistry of Materials</i> , 2019, 31, 6950-6961.	6.7	33
8	Tuning electron transfer in supramolecular nano-architectures made of fullerenes and porphyrins. <i>Nanoscale</i> , 2019, 11, 10782-10790.	5.6	16
9	Narrow-band single-photon emission through selective aryl functionalization of zigzag carbon nanotubes. <i>Nature Chemistry</i> , 2018, 10, 1089-1095.	13.6	78
10	Constraining Photoluminescent Defect States in Chirality-Sorted Covalently Doped Single-Walled Carbon Nanotubes. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
11	Interfacial charge transfer in functionalized multi-walled carbon nanotube@TiO ₂ nanofibres. <i>Nanoscale</i> , 2017, 9, 7911-7921.	5.6	71
12	Light harvesting enhancement upon incorporating alloy structured CdSe _X Te _{1-X} quantum dots in DPP:PC ₆₁ BM bulk heterojunction solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 654-662.	5.5	20
13	Bulbous gold-carbon nanodot hybrid nanoclusters for cancer therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8591-8599.	5.8	14
14	Understanding Charge-Transfer Characteristics in Crystalline Nanosheets of Fullerene/(Metallo)porphyrin Cocrystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 10578-10584.	13.7	64
15	Sulfur rich electron donors - formation of singlet versus triplet radical ion pair states featuring different lifetimes in the same conjugate. <i>Chemical Science</i> , 2017, 8, 1360-1368.	7.4	12
16	Carbon nanotubes dispersed in aqueous solution by ruthenium(ii) polypyridyl complexes. <i>Nanoscale</i> , 2016, 8, 13488-13497.	5.6	8
17	Supramolecular One-Dimensional n/p-Nanofibers. <i>Scientific Reports</i> , 2015, 5, 14154.	3.3	12
18	Photodoping and Enhanced Visible Light Absorption in Single-Walled Carbon Nanotubes Functionalized with a Wide Band Gap Oligomer. <i>Advanced Materials</i> , 2015, 27, 162-167.	21.0	20

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19	Macroscopic Nanotube Fibers Spun from Single-Walled Carbon Nanotube Polyelectrolytes. ACS Nano, 2014, 8, 9107-9112.	14.6	81
20	Carbon nanotube networks on different platforms. Carbon, 2014, 79, 1-18.	10.3	115
21	Increased Solubility, Liquid-Crystalline Phase, and Selective Functionalization of Single-Walled Carbon Nanotube Polyelectrolyte Dispersions. ACS Nano, 2013, 7, 4503-4510.	14.6	86
22	Three-Dimensional Solvent Vapor Map Generated by Supramolecular Metal-Complex Entrapment. Angewandte Chemie - International Edition, 2013, 52, 12615-12618.	13.8	15
23	Films of Bare Single-Walled Carbon Nanotubes from Superacids with Tailored Electronic and Photoluminescence Properties. ACS Nano, 2012, 6, 5727-5734.	14.6	22
24	Highly Luminescent Paramagnetic Nanophosphor Probes for In Vitro High-Contrast Imaging of Human Breast Cancer Cells. Small, 2012, 8, 3028-3034.	10.0	46
25	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
26	Non-covalent ruthenium polypyridyl complexes-carbon nanotubes composites: an alternative for functional dissolution of carbon nanotubes in solution. Chemical Communications, 2011, 47, 2246.	4.1	34
27	Optical Bifunctionality of Europium-Complexed Luminescent Graphene Nanosheets. Nano Letters, 2011, 11, 5227-5233.	9.1	88
28	Probing a Bifunctional Luminomagnetic Nanophosphor for Biological Applications: a Photoluminescence and Time-Resolved Spectroscopic Study. Small, 2011, 7, 1767-1773.	10.0	48