

Saptarshi Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

360
citations

687363

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h-index

839539

18
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20
all docs

20
docs citations

20
times ranked

508
citing authors

#	ARTICLE	IF	CITATIONS
1	Bovine Serum Albumin Amplified Reactive Oxygen Species Generation from Anthrurufin-Derived Carbon Dot and Concomitant Nanoassembly for Combination Antibioticâ€“Photodynamic Therapy Application. ACS Applied Materials & Interfaces, 2019, 11, 33273-33284.	8.0	60
2	<p>Synthesis, characterization, and mechanistic studies of a gold nanoparticleâ€“amphotericin B covalent conjugate with enhanced antileishmanial efficacy and reduced cytotoxicity</p>. International Journal of Nanomedicine, 2019, Volume 14, 6073-6101.	6.7	45
3	One-Pot Synthesis of Orange-Red Fluorescent Dimeric 2<i>H</i>-Pyrrolo[2,3- <i>c</i>]isoquinoline-2,5(3<i>H</i>)-diones from Benzamides and Maleimides via Ru(II)-Catalyzed Sequential Câ€“C/Câ€“N/Câ€“C Bond Formation. Organic Letters, 2020, 22, 1605-1610.</i>	4.6	24
4	Andrographolide engineered gold nanoparticle to overcome drug resistant visceral leishmaniasis. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 751-762.	2.8	23
5	Ultrasensitive visual detection of mycotoxin citrinin with yellow-light emitting carbon dot and Congo red. Food Chemistry, 2020, 312, 126076.	8.2	23
6	Heterobimetallic (Fe^{II})/Pt^{II}-Based Supramolecular Coordination Complexes Using 1,1â€“2-Ferrocene Dicarboxylate: Self-Assembly and Interaction with Carbon Dots. Inorganic Chemistry, 2019, 58, 2042-2053.	4.0	21
7	Functionalized carbon dot nanoparticles reinforced soy protein isolate biopolymeric film. Journal of Polymer Research, 2020, 27, 1.	2.4	20
8	Amplified fluorescence of Mg ²⁺ selective red-light emitting carbon dot in water and direct evaluation of creatine kinase activity. Nano Research, 2020, 13, 2770-2776.	10.4	19
9	Carbon dots: Fluorescence active, covalently conjugated and strong reinforcing nanofiller for polymer latex. Nano Structures Nano Objects, 2020, 23, 100477.	3.5	19
10	Remarkable synergetic effect by in-situ covalent hybridization of carbon dots with graphene oxide and carboxylated acrylonitrile butadiene rubber. Polymer, 2019, 175, 283-293.	3.8	17
11	Creation of Linear Carbon Dot Array with Improved Optical Properties through Controlled Covalent Conjugation with DNA. Bioconjugate Chemistry, 2018, 29, 1500-1504.	3.6	16
12	Unique approach to debundle carbon nanotubes in polymer matrix using carbon dots for enhanced properties. European Polymer Journal, 2020, 123, 109454.	5.4	15
13	Smart PLGA nanoparticles loaded with Quercetin: Cellular uptake and in-vitro anticancer study. Materials Today: Proceedings, 2018, 5, 9698-9705.	1.8	14
14	Are carbon dots worth the tremendous attention it is getting: Challenges and opportunities. Applied Materials Today, 2022, 26, 101331.	4.3	14
15	Multi-layer perceptron for detection of different class antibiotics from visual fluorescence response of a carbon nanoparticle-based multichannel array sensor. Sensors and Actuators B: Chemical, 2022, 360, 131660.	7.8	11
16	7,8-dihydroxyflavone-functionalized gold nanoparticles target theÂ€“arginase enzyme of Leishmania donovani. Nanomedicine, 2021, 16, 1887-1903.	3.3	6
17	Visible light-induced charge injection and migration in self-assembled carbon dot-DNA-carbon dot nano-dumbbell obtained through controlled stoichiometric conjugation. Nanoscale, 2021, 13, 14147-14155.	5.6	6
18	Deep learning assisted detection of toxic heavy metal ions based on visual fluorescence responses from a carbon nanoparticle array. Environmental Science: Nano, 2022, 9, 2596-2606.	4.3	4

#	ARTICLE	IF	CITATIONS
19	Carbon dot mediated G quadruplex nano-network formation for enhanced DNAzyme activity and easy catalyst reclamation. RSC Advances, 2019, 9, 41502-41510.	3.6	3
20	Unveiling pressure-sensitive adhesiveness of a carbonized polymer dot. Polymer, 2022, , 125102.	3.8	0