

Saptarshi Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

360
citations

687363

13
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

508
citing authors

#	ARTICLE	IF	CITATIONS
1	Are carbon dots worth the tremendous attention it is getting: Challenges and opportunities. <i>Applied Materials Today</i> , 2022, 26, 101331.	4.3	14
2	Multi-layer perceptron for detection of different class antibiotics from visual fluorescence response of a carbon nanoparticle-based multichannel array sensor. <i>Sensors and Actuators B: Chemical</i> , 2022, 360, 131660.	7.8	11
3	Deep learning assisted detection of toxic heavy metal ions based on visual fluorescence responses from a carbon nanoparticle array. <i>Environmental Science: Nano</i> , 2022, 9, 2596-2606.	4.3	4
4	Unveiling pressure-sensitive adhesiveness of a carbonized polymer dot. <i>Polymer</i> , 2022, , 125102.	3.8	0
5	7,8-dihydroxyflavone-functionalized gold nanoparticles target the Arginase enzyme of <i>Leishmania donovani</i> . <i>Nanomedicine</i> , 2021, 16, 1887-1903.	3.3	6
6	Visible light-induced charge injection and migration in self-assembled carbon dot-DNA-carbon dot nano-dumbbell obtained through controlled stoichiometric conjugation. <i>Nanoscale</i> , 2021, 13, 14147-14155.	5.6	6
7	Unique approach to debundle carbon nanotubes in polymer matrix using carbon dots for enhanced properties. <i>European Polymer Journal</i> , 2020, 123, 109454.	5.4	15
8	Ultrasensitive visual detection of mycotoxin citrinin with yellow-light emitting carbon dot and Congo red. <i>Food Chemistry</i> , 2020, 312, 126076.	8.2	23
9	Functionalized carbon dot nanoparticles reinforced soy protein isolate biopolymeric film. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	20
10	Amplified fluorescence of Mg ²⁺ selective red-light emitting carbon dot in water and direct evaluation of creatine kinase activity. <i>Nano Research</i> , 2020, 13, 2770-2776.	10.4	19
11	Carbon dots: Fluorescence active, covalently conjugated and strong reinforcing nanofiller for polymer latex. <i>Nano Structures Nano Objects</i> , 2020, 23, 100477.	3.5	19
12	One-Pot Synthesis of Orange-Red Fluorescent Dimeric 2-H-Pyrrolo[2,3-c]isoquinoline-2,5(3-H)-diones from Benzamides and Maleimides via Ru(II)-Catalyzed Sequential C-N-C Bond Formation. <i>Organic Letters</i> , 2020, 22, 1605-1610.	4.6	24
13	Synthesis, characterization, and mechanistic studies of a gold nanoparticle-amphotericin B covalent conjugate with enhanced antileishmanial efficacy and reduced cytotoxicity. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6073-6101.	6.7	45
14	Bovine Serum Albumin Amplified Reactive Oxygen Species Generation from Anthracycline-Derived Carbon Dot and Concomitant Nanoassembly for Combination Antibiotic-Photodynamic Therapy Application. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33273-33284.	8.0	60
15	Remarkable synergetic effect by in-situ covalent hybridization of carbon dots with graphene oxide and carboxylated acrylonitrile butadiene rubber. <i>Polymer</i> , 2019, 175, 283-293.	3.8	17
16	Carbon dot mediated G quadruplex nano-network formation for enhanced DNAzyme activity and easy catalyst reclamation. <i>RSC Advances</i> , 2019, 9, 41502-41510.	3.6	3
17	Heterobimetallic (Fe ^{II} /Pt ^{II})-Based Supramolecular Coordination Complexes Using 1,1'-Ferrocene Dicarboxylate: Self-Assembly and Interaction with Carbon Dots. <i>Inorganic Chemistry</i> , 2019, 58, 2042-2053.	4.0	21
18	Smart PLGA nanoparticles loaded with Quercetin: Cellular uptake and in-vitro anticancer study. <i>Materials Today: Proceedings</i> , 2018, 5, 9698-9705.	1.8	14

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19	Creation of Linear Carbon Dot Array with Improved Optical Properties through Controlled Covalent Conjugation with DNA. <i>Bioconjugate Chemistry</i> , 2018, 29, 1500-1504.	3.6	16
20	Andrographolide engineered gold nanoparticle to overcome drug resistant visceral leishmaniasis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 751-762.	2.8	23