

Abhay Sachdev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3408070/publications.pdf>

Version: 2024-02-01

28
papers

1,603
citations

471509

17
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

2552
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of multifunctional carbon dots from coriander leaves and their potential application as antioxidants, sensors and bioimaging agents. <i>Analyst</i> , The, 2015, 140, 4260-4269.	3.5	412
2	Antibacterial activity and mechanism of Ag@ZnO nanocomposite on <i>S. aureus</i> and GFP-expressing antibiotic resistant <i>E. coli</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 359-367.	5.0	231
3	Implications of surface passivation on physicochemical and bioimaging properties of carbon dots. <i>RSC Advances</i> , 2014, 4, 20915-20921.	3.6	112
4	Perturbation of cellular mechanistic system by silver nanoparticle toxicity: Cytotoxic, genotoxic and epigenetic potentials. <i>Advances in Colloid and Interface Science</i> , 2015, 221, 4-21.	14.7	109
5	A novel one-step synthesis of PEG passivated multicolour fluorescent carbon dots for potential biolabeling application. <i>RSC Advances</i> , 2013, 3, 16958.	3.6	83
6	Self-Assembled Hybrids of Fluorescent Carbon Dots and PAMAM Dendrimers for Epirubicin Delivery and Intracellular Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11423-11435.	8.0	82
7	Carbon dots incorporated polymeric hydrogels as multifunctional platform for imaging and induction of apoptosis in lung cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 242-252.	5.0	70
8	Multicomponent 5-fluorouracil loaded PAMAM stabilized-silver nanocomposites synergistically induce apoptosis in human cancer cells. <i>Biomaterials Science</i> , 2015, 3, 457-468.	5.4	60
9	Bionanotherapeutics: niclosamide encapsulated albumin nanoparticles as a novel drug delivery system for cancer therapy. <i>RSC Advances</i> , 2015, 5, 12078-12086.	3.6	54
10	Ferritin Nanocages: A Novel Platform for Biomedical Applications. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 2950-2976.	1.1	50
11	Biomaterials-Based Regenerative Strategies for Skin Tissue Wound Healing. <i>ACS Applied Bio Materials</i> , 2022, 5, 2069-2106.	4.6	46
12	Dual-functional carbon dots@silver@zinc oxide nanocomposite: in vitro evaluation of cellular uptake and induction of apoptosis. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1217-1229.	5.8	39
13	Ethylenediamine mediated luminescence enhancement of pollutant derivatized carbon quantum dots for intracellular trinitrotoluene detection: soot to shine. <i>RSC Advances</i> , 2018, 8, 32684-32694.	3.6	39
14	PEG functionalized zirconium dicarboxylate MOFs for docetaxel drug delivery in vitro. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 52, 846-855.	3.0	28
15	Near-infrared stimulated hydrogel patch for photothermal therapeutics and thermoresponsive drug delivery. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111960.	3.8	28
16	Toward Designing of Anti-infective Hydrogels for Orthopedic Implants: From Lab to Clinic. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1933-1961.	5.2	25
17	Monitoring the Intracellular Distribution and ROS Scavenging Potential of Carbon Dot@Cerium Oxide Nanocomposites in Fibroblast Cells. <i>ChemNanoMat</i> , 2016, 2, 226-235.	2.8	19
18	Photophysics, Electrochemistry, Morphology, and Bioimaging Applications of New 1,8-Naphthalimide Derivatives Containing Different Chromophores. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2612-2622.	3.3	16

#	ARTICLE	IF	CITATIONS
19	Dual-emission copper nanoclusters ¹ -based ratiometric fluorescent probe for intracellular detection of hydroxyl and superoxide anion species. <i>Mikrochimica Acta</i> , 2021, 188, 13.	5.0	16
20	Phytogreen synthesis of multifunctional nano selenium with antibacterial and antioxidant implications. <i>Nano Express</i> , 2020, 1, 010031.	2.4	15
21	Tragacanth Hydrogel Integrated CeO ₂ @rGO Nanocomposite as Reusable Photocatalysts for Organic Dye Degradation. <i>ChemistrySelect</i> , 2020, 5, 10663-10672.	1.5	13
22	Label-free fluorescence "turn-on" detection of SO ₃ ²⁻ by gold nanoclusters: integration in a hydrogel platform and intracellular detection. <i>Analytical Methods</i> , 2019, 11, 1214-1223.	2.7	11
23	Self-assembled reduced graphene oxide-cerium oxide nanocomposite@cytochrome <i>c</i> hydrogel as a solid electrochemical reactive oxygen species detection platform. <i>New Journal of Chemistry</i> , 2020, 44, 11248-11255.	2.8	10
24	An electrochemical sensor based on cobalt oxyhydroxide nanoflakes/reduced graphene oxide nanocomposite for detection of illicit drug-clonazepam. <i>Journal of Electroanalytical Chemistry</i> , 2022, 919, 116537.	3.8	9
25	GNP-CeO ₂ - polyaniline hybrid hydrogel for electrochemical detection of peroxy nitrite anion and its integration in a microfluidic platform. <i>Mikrochimica Acta</i> , 2021, 188, 436.	5.0	8
26	Cold atmospheric pressure (CAP) plasma assisted tailoring of LDPE film surfaces for enhancement of adhesive and cytocompatible properties: Influence of operating parameters. <i>Vacuum</i> , 2016, 130, 34-47.	3.5	7
27	Cancer Nanotheranostics. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2015, , .	0.4	6
28	PMAA-CeO ₂ nanoparticle-based paper microfluidic device with customized image processing software for antioxidant assay. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8197-8209.	3.7	5