

Bodhisatwa Das

List of Publications by Year in descending order

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33
papers

964
citations

430754

18
h-index

454834

30
g-index

33
all docs

33
docs citations

33
times ranked

1600
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanodots from date molasses: new nanolights for the in vitro scavenging of reactive oxygen species. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6839-6847.	2.9	109
2	Onion derived carbon nanodots for live cell imaging and accelerated skin wound healing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6579-6592.	2.9	98
3	Bilayered nanofibrous 3D hierarchy as skin rudiment by emulsion electrospinning for burn wound management. <i>Biomaterials Science</i> , 2017, 5, 1786-1799.	2.6	66
4	One pot synthesis of intriguing fluorescent carbon dots for sensing and live cell imaging. <i>Talanta</i> , 2016, 150, 253-264.	2.9	61
5	Accelerating full thickness wound healing using collagen sponge of mrigal fish (<i>Cirrhinus Tj ETQq1</i> 1 0.784314 rgBT /Overlock, 10 Tf 50	3.6	52
6	A Simple Approach for an Eggshell-Based 3D-Printed Osteoinductive Multiphasic Calcium Phosphate Scaffold. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11910-11924.	4.0	52
7	Nano-/Microfibrous Cotton-Wool-Like 3D Scaffold with Core-Shell Architecture by Emulsion Electrospinning for Skin Tissue Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3563-3575.	2.6	50
8	Core-Shell Nanofibrous Scaffold Based on Polycaprolactone-Silk Fibroin Emulsion Electrospinning for Tissue Engineering Applications. <i>Bioengineering</i> , 2018, 5, 68.	1.6	46
9	Carbon Nanodots Doped Super-paramagnetic Iron Oxide Nanoparticles for Multimodal Bioimaging and Osteochondral Tissue Regeneration via External Magnetic Actuation. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3549-3560.	2.6	37
10	On-Demand Guided Bone Regeneration with Microbial Protection of Ornamented SPU Scaffold with Bismuth-Doped Single Crystalline Hydroxyapatite: Augmentation and Cartilage Formation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4086-4100.	4.0	35
11	<i>In Vivo</i> Cell Tracking, Reactive Oxygen Species Scavenging, and Antioxidative Gene Down Regulation by Long-Term Exposure of Biomass-Derived Carbon Dots. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 346-356.	2.6	34
12	Inhibition of fibrillation of human serum albumin through interaction with chitosan-based biocompatible silver nanoparticles. <i>RSC Advances</i> , 2016, 6, 43104-43115.	1.7	32
13	Excavating the Role of <i>Aloe Vera</i> Wrapped Mesoporous Hydroxyapatite Frame Ornamentation in Newly Architected Polyurethane Scaffolds for Osteogenesis and Guided Bone Regeneration with Microbial Protection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5941-5960.	4.0	31
14	Poly(maleic acid) A novel dispersant for aqueous alumina slurry. <i>Journal of Asian Ceramic Societies</i> , 2013, 1, 184-190.	1.0	27
15	Carbon nanodot impregnated fluorescent nanofibers for in vivo monitoring and accelerating full-thickness wound healing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6645-6656.	2.9	27
16	Morphology-induced physico-mechanical and biological characteristics of TPU-PDMS blend scaffolds for skin tissue engineering applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1634-1644.	1.6	27
17	Hierarchical surface morphology on Ti6Al4V via patterning and hydrothermal treatment towards improving cellular response. <i>Applied Surface Science</i> , 2019, 478, 806-817.	3.1	26
18	Microwave assisted rapid synthesis of N-methylene phosphonic chitosan via Mannich-type reaction. <i>Carbohydrate Polymers</i> , 2015, 133, 345-352.	5.1	22

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19	Single step synthesized sulfur and nitrogen doped carbon nanodots from whey protein: nanoprobe for long-term cell tracking crossing the barrier of photo-toxicity. RSC Advances, 2016, 6, 60794-60805.	1.7	19
20	Orange-red silver emitters for sensing application and bio-imaging. Dalton Transactions, 2015, 44, 11457-11469.	1.6	17
21	Hybrid electrospun fibers based on TPU-PDMS and spherical nanohydroxyapatite for bone tissue engineering. Materials Today Communications, 2018, 16, 264-273.	0.9	17
22	Manganese oxide-carbon quantum dots nano-composites for fluorescence/magnetic resonance (T1) dual mode bioimaging, long term cell tracking, and ROS scavenging. Materials Science and Engineering C, 2019, 102, 427-436.	3.8	16
23	Carbon nano dot decorated copper nanowires for SERS-Fluorescence dual-mode imaging/anti-microbial activity and enhanced angiogenic activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117669.	2.0	16
24	Structurally Tuned Antimicrobial Mesoporous Hydroxyapatite Nanorods by Cyclic Oligosaccharides Regulation To Release a Drug for Osteomyelitis. Crystal Growth and Design, 2017, 17, 433-445.	1.4	13
25	Doping of Carbon Quantum Dots (CDs) in Calcium Phosphate Nanorods for Inducing Ectopic Chondrogenesis via Activation of the HIF-1 α /SOX-9 Pathway. ACS Omega, 2019, 4, 374-386.	1.6	7
26	Direct 3D Printing of Seashell Precursor toward Engineering a Multiphasic Calcium Phosphate Bone Graft. ACS Biomaterials Science and Engineering, 2021, 7, 3806-3820.	2.6	7
27	Doping of carbon nanodots for saving cells from silver nanotoxicity: A study on recovering osteogenic differentiation potential. Toxicology in Vitro, 2019, 57, 81-95.	1.1	6
28	Differential Cell Death and Regrowth of Dermal Fibroblasts and Keratinocytes After Application of Pulsed Electric Fields. Bioelectricity, 2020, 2, 175-185.	0.6	5
29	A vascularized bone-on-a-chip model development via exploring mechanical stimulation for evaluation of fracture healing therapeutics. In Vitro Models, 2022, 1, 73-83.	1.0	4
30	SINGLE STEP SINTERED CALCIUM PHOSPHATE FIBERS FROM AVIAN EGG SHELL. International Journal of Modern Physics Conference Series, 2013, 22, 305-312.	0.7	2
31	Cyclic RGD peptide conjugated trypsin etched gold quantum clusters: novel biolabeling agents for stem cell imaging. Journal of Stem Cells, 2012, 7, 189-99.	1.0	2
32	Laser Patterned ZNO Substituted Calcium Phosphate Scaffolds via Viscous Polymer Processing for Bone Graft. Materials Today: Proceedings, 2019, 11, 849-858.	0.9	1
33	Irreversible Electroporation as an Alternative to Wound Debridement Surgery. Surgical Technology International, 2021, 39, 67-73.	0.1	0