

Krishanu Ghosal

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

719
citations

840585

11
h-index

1281743

11
g-index

16
all docs

16
docs citations

16
times ranked

989
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomedical Applications of Graphene Nanomaterials and Beyond. ACS Biomaterials Science and Engineering, 2018, 4, 2653-2703.	2.6	161
2	Carbon dots: The next generation platform for biomedical applications. Materials Science and Engineering C, 2019, 96, 887-903.	3.8	148
3	Dendrimer functionalized carbon quantum dot for selective detection of breast cancer and gene therapy. Chemical Engineering Journal, 2019, 373, 468-484.	6.6	101
4	Recent advances in chemical recycling of polyethylene terephthalate waste into value added products for sustainable coating solutions – hope vs hype. Materials Advances, 2022, 3, 1974-1992.	2.6	88
5	Green synthesis and characterization of silver nanoparticles using belladonna mother tincture and its efficacy as a potential antibacterial and anti-inflammatory agent. Materials Chemistry and Physics, 2019, 228, 310-317.	2.0	61
6	Formation of a gold-carbon dot nanocomposite with superior catalytic ability for the reduction of aromatic nitro groups in water. RSC Advances, 2014, 4, 25863-25866.	1.7	28
7	Natural polysaccharide derived carbon dot based in situ facile green synthesis of silver nanoparticles: Synergistic effect on breast cancer. International Journal of Biological Macromolecules, 2020, 162, 1605-1615.	3.6	28
8	Poly(ester amide) derived from municipal polyethylene terephthalate waste guided stem cells for osteogenesis. New Journal of Chemistry, 2019, 43, 14166-14178.	1.4	22
9	Facile green synthesis of bioresorbable polyester from soybean oil and recycled plastic waste for osteochondral tissue regeneration. European Polymer Journal, 2020, 122, 109338.	2.6	22
10	From ultrastiff to soft materials: Exploiting dynamic metal-ligand cross-links to access polymer hydrogels combining customized mechanical performance and tailorable functions by controlling hydrogel mechanics. Chemical Engineering Journal, 2021, 419, 129528.	6.6	22
11	Graphene family nanomaterials- opportunities and challenges in tissue engineering applications. FlatChem, 2021, 30, 100315.	2.8	20
12	In vivo biocompatible shape memory polyester derived from recycled polycarbonate e-waste for biomedical application. , 2022, 138, 212961.		7
13	Advances in Tissue Engineering and Regeneration. , 2020, , 577-646.		4
14	Biopolymer Based Interfacial Tissue Engineering for Arthritis. , 2018, , 67-88.		3
15	Biocompatibility and biomedical applications of various carbon-based materials. , 2021, , 829-875.		3
16	Advances in the Development of Biodegradable Polymeric Materials for Biomedical Applications with Respect to Their Synthesis Procedures, Degradation Properties, Toxicity, Stability and Applications. , 2022, , 567-592.		1