

Isha Mutreja

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

674
citations

686830

13
h-index

676716

22
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24
all docs

24
docs citations

24
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteogenic and angiogenic tissue formation in high fidelity nanocomposite Laponite-gelatin bioinks. <i>Biofabrication</i> , 2019, 11, 035027.	3.7	142
2	Automated 3D bioassembly of micro-tissues for biofabrication of hybrid tissue engineered constructs. <i>Biofabrication</i> , 2018, 10, 024103.	3.7	137
3	Design and characterisation of multi-functional strontium-gelatin nanocomposite bioinks with improved print fidelity and osteogenic capacity. <i>Bioprinting</i> , 2020, 18, e00073.	2.9	60
4	Cytotoxicity and cellular uptake of different sized gold nanoparticles in ovarian cancer cells. <i>Nanotechnology</i> , 2017, 28, 475101.	1.3	44
5	Biomimetic mineralized hybrid scaffolds with antimicrobial peptides. <i>Bioactive Materials</i> , 2021, 6, 2250-2260.	8.6	36
6	The deposition of strontium-substituted hydroxyapatite coatings. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 65.	1.7	34
7	CONTROLLING THE SIZE AND SIZE DISTRIBUTION OF GOLD NANOPARTICLES: A DESIGN OF EXPERIMENT STUDY. <i>International Journal of Nanoscience</i> , 2012, 11, 1250023.	0.4	27
8	Positive and negative bioimprinted polymeric substrates: new platforms for cell culture. <i>Biofabrication</i> , 2015, 7, 025002.	3.7	27
9	Hybrid biofabrication of 3D osteoconductive constructs comprising Mg-based nanocomposites and cell-laden bioinks for bone repair. <i>Bone</i> , 2022, 154, 116198.	1.4	25
10	Hydrodynamic control of titania nanotube formation on Ti-6Al-4V alloys enhances osteogenic differentiation of human mesenchymal stromal cells. <i>Materials Science and Engineering C</i> , 2020, 109, 110562.	3.8	24
11	Enamel proteins mitigate mechanical and structural degradations in mature human enamel during acid attack. <i>Materials Research Express</i> , 2014, 1, 025404.	0.8	20
12	Seed mediated synthesis of highly mono-dispersed gold nanoparticles in the presence of hydroquinone. <i>Nanotechnology</i> , 2016, 27, 355601.	1.3	19
13	Combined Infection Control and Enhanced Osteogenic Differentiation Capacity on Additive Manufactured Ti-6Al-4V are Mediated via Titania Nanotube Delivery of Novel Biofilm Inhibitors. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901963.	1.9	19
14	Organically Modified Silica Nanoparticles Interaction with Macrophage Cells: Assessment of Cell Viability on the Basis of Physicochemical Properties. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3943-3951.	1.6	11
15	Titania nanotube porosity controls dissolution rate of sputter deposited calcium phosphate (CaP) thin film coatings. <i>RSC Advances</i> , 2013, 3, 11263.	1.7	9
16	The Profile of Payload Release from Gold Nanoparticles Modified with a BODIPY/PEG Mixed Monolayer. <i>Journal of Nano Research</i> , 2013, 25, 16-30.	0.8	7
17	Biofilm Inhibition via Delivery of Novel Methylthioadenosine Nucleosidase Inhibitors from PVA-Tyramine Hydrogels while Supporting Mesenchymal Stromal Cell Viability. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 748-758.	2.6	7
18	Strontium- and peptide-modified silicate nanostructures for dual osteogenic and antimicrobial activity. , 2022, 135, 212735.		7

#	ARTICLE	IF	CITATIONS
19	A Novel Dental Polymer with a Flipped External Ester Group Design that Resists Degradation via Polymer Backbone Preservation. ACS Biomaterials Science and Engineering, 2020, 6, 5609-5619.	2.6	5
20	Fabrication of free-standing casein devices with micro- and nanostructured regular and bioimprinted surface features. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, .	0.6	4
21	A novel methacrylate derivative polymer that resists bacterial cell-mediated biodegradation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, , .	1.6	4
22	Utilizing a degradation prediction pathway system to understand how a novel methacrylate derivative polymer with flipped external ester groups retains physico-mechanical properties following esterase exposure. Dental Materials, 2022, 38, 251-265.	1.6	3
23	Methacrylate Polymers With “Flipped External” Ester Groups: A Review. Frontiers in Dental Medicine, 0, 3, .	0.5	2
24	MODULATION OF THE PHYSICOCHEMICAL PROPERTIES OF CHITOSAN NANOPARTICLES FOR OPTIMUM DELIVERY OF PLASMID DNA THROUGH GILL MUCOSA. International Journal of Nanoscience, 2009, 08, 191-195.	0.4	1