

Sunil Kumar Boda

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,566
citations

393982

19
h-index

580395

25
g-index

26
all docs

26
docs citations

26
times ranked

2766
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the mechanistic effects of electric field stimulation towards directing stem cell fate and function: A tissue engineering perspective. <i>Biomaterials</i> , 2018, 150, 60-86.	5.7	246
2	High Antibacterial Activity of Functionalized Chemically Exfoliated MoS ₂ . <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31567-31573.	4.0	161
3	Binary Doping of Strontium and Copper Enhancing Osteogenesis and Angiogenesis of Bioactive Glass Nanofibers while Suppressing Osteoclast Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24484-24496.	4.0	127
4	Electrospraying an enabling technology for pharmaceutical and biomedical applications: A review. <i>Journal of Aerosol Science</i> , 2018, 125, 164-181.	1.8	116
5	Emerging Roles of Electrospun Nanofibers in Cancer Research. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701024.	3.9	114
6	Mineralized nanofiber segments coupled with calcium-binding BMP-2 peptides for alveolar bone regeneration. <i>Acta Biomaterialia</i> , 2019, 85, 282-293.	4.1	108
7	Biomaterials for Craniofacial Bone Regeneration. <i>Dental Clinics of North America</i> , 2017, 61, 835-856.	0.8	94
8	Novel 3D Hybrid Nanofiber Aerogels Coupled with BMP-2 Peptides for Cranial Bone Regeneration. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701415.	3.9	78
9	Cytotoxicity of Ultrasmall Gold Nanoparticles on Planktonic and Biofilm Encapsulated Gram-Positive Staphylococci. <i>Small</i> , 2015, 11, 3183-3193.	5.2	72
10	Electrospraying Electrospun Nanofiber Segments into Injectable Microspheres for Potential Cell Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25069-25079.	4.0	64
11	Magnetic field assisted stem cell differentiation – role of substrate magnetization in osteogenesis. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3150-3168.	2.9	58
12	Structural and Magnetic Phase Transformations of Hydroxyapatite-Magnetite Composites under Inert and Ambient Sintering Atmospheres. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6539-6555.	1.5	48
13	Dual Oral Tissue Adhesive Nanofiber Membranes for pH-Responsive Delivery of Antimicrobial Peptides. <i>Biomacromolecules</i> , 2020, 21, 4945-4961.	2.6	42
14	Biomimetic mineralized hybrid scaffolds with antimicrobial peptides. <i>Bioactive Materials</i> , 2021, 6, 2250-2260.	8.6	36
15	Competing Roles of Substrate Composition, Microstructure, and Sustained Strontium Release in Directing Osteogenic Differentiation of hMSCs. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19389-19408.	4.0	31
16	Synergy of substrate conductivity and intermittent electrical stimulation towards osteogenic differentiation of human mesenchymal stem cells. <i>Bioelectrochemistry</i> , 2017, 116, 52-64.	2.4	30
17	Dual Delivery of Alendronate and E7-BMP-2 Peptide via Calcium Chelation to Mineralized Nanofiber Fragments for Alveolar Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2368-2375.	2.6	25
18	Differential viability response of prokaryotes and eukaryotes to high strength pulsed magnetic stimuli. <i>Bioelectrochemistry</i> , 2015, 106, 276-289.	2.4	23

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19	Tethering peptides onto biomimetic and injectable nanofiber microspheres to direct cellular response. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 22, 102081.	1.7	22
20	Bacterial siderophore mimicking iron complexes as DNA targeting antimicrobials. <i>RSC Advances</i> , 2016, 6, 39245-39260.	1.7	19
21	Inhibitory effect of direct electric field and HA-ZnO composites on <i>S. aureus</i> biofilm formation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1064-1075.	1.6	16
22	Engineered biomaterial and biophysical stimulation as combinatorial strategies to address prosthetic infection by pathogenic bacteria. , 2017, 105, 2174-2190.		14
23	Periosteum Mimetic Coating on Structural Bone Allografts <i>via</i> Electro spray Deposition Enhances Repair and Reconstruction of Segmental Defects. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6241-6252.	2.6	10
24	Dual keratinocyte-attachment and anti-inflammatory coatings for soft tissue sealing around transmucosal oral implants. <i>Biomaterials Science</i> , 2022, 10, 665-677.	2.6	7
25	Comparative study of bacterial microfiltration in the implantabutment interface, with straight and conical internal connections, <i>in vitro</i> . <i>Clinical and Experimental Dental Research</i> , 2021, 7, 1014-1024.	0.8	4
26	Bone Regeneration: Novel 3D Hybrid Nanofiber Aerogels Coupled with BMP Peptides for Cranial Bone Regeneration (<i>Adv. Healthcare Mater.</i> 10/2018). <i>Advanced Healthcare Materials</i> , 2018, 7, 1870042.	3.9	1