Sunil Kumar Boda

List of Publications by Year
in descending order

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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	Dual keratinocyte-attachment and anti-inflammatory coatings for soft tissue sealing around transmucosal oral implants. Biomaterials Science, 2022, 10, 665-677.	2.6	7
2	Comparative study of bacterial microfiltration in the implantâ€abutment interface, with straight and conical internal connections, in vitro. Clinical and Experimental Dental Research, 2021, 7, 1014-1024.	0.8	4
3	Biomimetic mineralized hybrid scaffolds with antimicrobial peptides. Bioactive Materials, 2021, 6, 2250-2260.	8.6	36
4	Periosteum Mimetic Coating on Structural Bone Allografts via Electrospray Deposition Enhances Repair and Reconstruction of Segmental Defects. ACS Biomaterials Science and Engineering, 2020, 6, 6241-6252.	2.6	10
5	Dual Oral Tissue Adhesive Nanofiber Membranes for pH-Responsive Delivery of Antimicrobial Peptides. Biomacromolecules, 2020, 21, 4945-4961.	2.6	42
6	Dual Delivery of Alendronate and E7-BMP-2 Peptide via Calcium Chelation to Mineralized Nanofiber Fragments for Alveolar Bone Regeneration. ACS Biomaterials Science and Engineering, 2020, 6, 2368-2375.	2.6	25
7	Tethering peptides onto biomimetic and injectable nanofiber microspheres to direct cellular response. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 22, 102081.	1.7	22
8	Mineralized nanofiber segments coupled with calcium-binding BMP-2 peptides for alveolar bone regeneration. Acta Biomaterialia, 2019, 85, 282-293.	4.1	108
9	Novel 3D Hybrid Nanofiber Aerogels Coupled with BMPâ€2 Peptides for Cranial Bone Regeneration. Advanced Healthcare Materials, 2018, 7, e1701415.	3.9	78
10	Electrospraying an enabling technology for pharmaceutical and biomedical applications: A review. Journal of Aerosol Science, 2018, 125, 164-181.	1.8	116
11	Unraveling the mechanistic effects of electric field stimulation towards directing stem cell fate and function: A tissue engineering perspective. Biomaterials, 2018, 150, 60-86.	5.7	246
12	Bone Regeneration: Novel 3D Hybrid Nanofiber Aerogels Coupled with BMPâ€2 Peptides for Cranial Bone Regeneration (Adv. Healthcare Mater. 10/2018). Advanced Healthcare Materials, 2018, 7, 1870042.	3.9	1
13	Electrospraying Electrospun Nanofiber Segments into Injectable Microspheres for Potential Cell Delivery. ACS Applied Materials & Interfaces, 2018, 10, 25069-25079.	4.0	64
14	Emerging Roles of Electrospun Nanofibers in Cancer Research. Advanced Healthcare Materials, 2018, 7, e1701024.	3.9	114
15	Synergy of substrate conductivity and intermittent electrical stimulation towards osteogenic differentiation of human mesenchymal stem cells. Bioelectrochemistry, 2017, 116, 52-64.	2.4	30
16	Biomaterials for Craniofacial Bone Regeneration. Dental Clinics of North America, 2017, 61, 835-856.	0.8	94
17	Binary Doping of Strontium and Copper Enhancing Osteogenesis and Angiogenesis of Bioactive Glass Nanofibers while Suppressing Osteoclast Activity. ACS Applied Materials & Interfaces, 2017, 9, 24484-24496.	4.0	127
18	Engineered biomaterial and biophysical stimulation as combinatorial strategies to address prosthetic infection by pathogenic bacteria. , 2017, 105, 2174-2190.		14

#	Article	IF	Citations
19	Competing Roles of Substrate Composition, Microstructure, and Sustained Strontium Release in Directing Osteogenic Differentiation of hMSCs. ACS Applied Materials & Interfaces, 2017, 9, 19389-19408.	4.0	31
20	Inhibitory effect of direct electric field and <scp>HA</scp>â€<scp>Z</scp>n<scp>O</scp> composites on <scp>S</scp>. aureus biofilm formation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 1064-1075.	1.6	16
21	Bacterial siderophore mimicking iron complexes as DNA targeting antimicrobials. RSC Advances, 2016, 6, 39245-39260.	1.7	19
22	High Antibacterial Activity of Functionalized Chemically Exfoliated MoS₂. ACS Applied Materials & Interfaces, 2016, 8, 31567-31573.	4.0	161
23	Cytotoxicity of Ultrasmall Gold Nanoparticles on Planktonic and Biofilm Encapsulated Gramâ€Positive Staphylococci. Small, 2015, 11, 3183-3193.	5.2	72
24	Magnetic field assisted stem cell differentiation â€“ role of substrate magnetization in osteogenesis. Journal of Materials Chemistry B, 2015, 3, 3150-3168.	2.9	58
25	Structural and Magnetic Phase Transformations of Hydroxyapatite-Magnetite Composites under Inert and Ambient Sintering Atmospheres. Journal of Physical Chemistry C, 2015, 119, 6539-6555.	1.5	48
26	Differential viability response of prokaryotes and eukaryotes to high strength pulsed magnetic stimuli. Bioelectrochemistry, 2015, 106, 276-289.	2.4	23