Bipin

List of Publications by Year in Descending Order

20 papers	254 citations	10 h-index	15 g-index
21 ext. papers	393 ext. citations	7.9 avg, IF	4.09 L-index

#	Paper	IF	Citations
20	Zinc-doped hydroxyapatite and poly(propylene fumarate) nanocomposite scaffold for bone tissue engineering. *Journal of Materials Science*, **2022**, 57, 5998-6012	4.3	0
19	Two-dimensional nanomaterials-added dynamism in 3D printing and bioprinting of biomedical platforms: Unique opportunities and challenges.. *Biomaterials*, **2022**, 284, 121507	15.6	0
18	Bifunctional hydrogel for potential vascularized bone tissue regeneration. *Materials Science and Engineering C*, **2021**, 124, 112075	8.3	6
17	Poly(Caprolactone Fumarate) and Oligo[Poly(Ethylene Glycol) Fumarate]: Two Decades of Exploration in Biomedical Applications. *Polymer Reviews*, **2021**, 61, 319-356	14	6
16	3D bioprinting of oligo(poly[ethylene glycol] fumarate) for bone and nerve tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2021**, 109, 6-17	5.4	12
15	2D phosphorene nanosheets, quantum dots, nanoribbons: synthesis and biomedical applications. *Biomaterials Science*, **2021**, 9, 2768-2803	7.4	8
14	Mesenchymal stem cell spheroids incorporated with collagen and black phosphorus promote osteogenesis of biodegradable hydrogels. *Materials Science and Engineering C*, **2021**, 121, 111812	8.3	3
13	Evaluation of the optimal dosage of BMP-9 through the comparison of bone regeneration induced by BMP-9 versus BMP-2 using an injectable microparticle embedded thermosensitive polymeric carrier in a rat cranial defect model. *Materials Science and Engineering C*, **2021**, 127, 112252	8.3	1
12	Spatial and uniform deposition of cell-laden constructs on 3D printed composite phosphorylated hydrogels for improved osteoblast responses. *Journal of Materials Science*, **2021**, 56, 17768-17784	4.3	2
11	SDF-1/OPF/BP Composites Enhance the Migrating and Osteogenic Abilities of Mesenchymal Stem Cells. *Stem Cells International*, **2021**, 2021, 1938819	5	1
10	Injectable catalyst-free "click" organic-inorganic nanohybrid (click-ON) cement for minimally invasive in vivo bone repair. *Biomaterials*, **2021**, 276, 121014	15.6	4
9	Enhanced nerve cell proliferation and differentiation on electrically conductive scaffolds embedded with graphene and carbon nanotubes. *Journal of Biomedical Materials Research - Part A*, **2021**, 109, 193-206	5.4	14
8	Injectable Electrical Conductive and Phosphate Releasing Gel with Two-Dimensional Black Phosphorus and Carbon Nanotubes for Bone Tissue Engineering. *ACS Biomaterials Science and Engineering*, **2020**, 6, 4653-4665	5.5	15
7	3D-printed scaffolds with carbon nanotubes for bone tissue engineering: Fast and homogeneous one-step functionalization. *Acta Biomaterialia*, **2020**, 111, 129-140	10.8	32
6	Thermoresponsive Injectable Microparticle-Gel Composites with Recombinant BMP-9 and VEGF Enhance Bone Formation in Rats. *ACS Biomaterials Science and Engineering*, **2019**, 5, 4587-4600	5.5	15
5	Nano-scale characterization of nano-hydroxyapatite incorporated chitosan particles for bone repair. *Colloids and Surfaces B: Biointerfaces*, **2018**, 165, 158-164	6	10
4	Smart Injectable Self-Setting Monetite Based Bioceramics for Orthopedic Applications. *Materials*, **2018**, 11,	3.5	18

3	Comparative investigation of porous nano-hydroxyapaptite/chitosan, nano-zirconia/chitosan and novel nano-calcium zirconate/chitosan composite scaffolds for their potential applications in bone regeneration. *Materials Science and Engineering C*, **2018**, 91, 330-339	8.3	33
2	Reconstruction of Craniomaxillofacial Bone Defects Using Tissue-Engineering Strategies with Injectable and Non-Injectable Scaffolds. *Journal of Functional Biomaterials*, **2017**, 8,	4.8	24
1	Fabrication and characterization of carboxymethyl cellulose novel microparticles for bone tissue engineering. *Materials Science and Engineering C*, **2016**, 69, 733-43	8.3	50