

# Bipin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Fabrication and characterization of carboxymethyl cellulose novel microparticles for bone tissue engineering. <i>Materials Science and Engineering C</i> , <b>2016</b> , 69, 733-43  | 8.3  | 50        |
| 19 | Comparative investigation of porous nano-hydroxyapatite/chitosan, nano-zirconia/chitosan and novel nano-calcium zirconate/chitosan composite scaffolds for their potential applications in bone regeneration. <i>Materials Science and Engineering C</i> , <b>2018</b> , 91, 330-339                   | 8.3  | 33        |
| 18 | 3D-printed scaffolds with carbon nanotubes for bone tissue engineering: Fast and homogeneous one-step functionalization. <i>Acta Biomaterialia</i> , <b>2020</b> , 111, 129-140  | 10.8 | 32        |
| 17 | Reconstruction of Craniomaxillofacial Bone Defects Using Tissue-Engineering Strategies with Injectable and Non-Injectable Scaffolds. <i>Journal of Functional Biomaterials</i> , <b>2017</b> , 8,  | 4.8  | 24        |
| 16 | Smart Injectable Self-Setting Monetite Based Bioceramics for Orthopedic Applications. <i>Materials</i> , <b>2018</b> , 11,   | 3.5  | 18        |
| 15 | Injectable Electrical Conductive and Phosphate Releasing Gel with Two-Dimensional Black Phosphorus and Carbon Nanotubes for Bone Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 4653-4665  | 5.5  | 15        |
| 14 | Thermoresponsive Injectable Microparticle-Gel Composites with Recombinant BMP-9 and VEGF Enhance Bone Formation in Rats. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 4587-4600  | 5.5  | 15        |
| 13 | Enhanced nerve cell proliferation and differentiation on electrically conductive scaffolds embedded with graphene and carbon nanotubes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> , 109, 193-206  | 5.4  | 14        |
| 12 | 3D bioprinting of oligo(poly[ethylene glycol] fumarate) for bone and nerve tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> , 109, 6-17  | 5.4  | 12        |
| 11 | Nano-scale characterization of nano-hydroxyapatite incorporated chitosan particles for bone repair. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 165, 158-164   | 6    | 10        |
| 10 | 2D phosphorene nanosheets, quantum dots, nanoribbons: synthesis and biomedical applications. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2768-2803  | 7.4  | 8         |
| 9  | Bifunctional hydrogel for potential vascularized bone tissue regeneration. <i>Materials Science and Engineering C</i> , <b>2021</b> , 124, 112075  | 8.3  | 6         |
| 8  | Poly(Caprolactone Fumarate) and Oligo[Poly(Ethylene Glycol) Fumarate]: Two Decades of Exploration in Biomedical Applications. <i>Polymer Reviews</i> , <b>2021</b> , 61, 319-356   | 14   | 6         |
| 7  | Injectable catalyst-free "click" organic-inorganic nanohybrid (click-ON) cement for minimally invasive in vivo bone repair. <i>Biomaterials</i> , <b>2021</b> , 276, 121014  | 15.6 | 4         |
| 6  | Mesenchymal stem cell spheroids incorporated with collagen and black phosphorus promote osteogenesis of biodegradable hydrogels. <i>Materials Science and Engineering C</i> , <b>2021</b> , 121, 111812  | 8.3  | 3         |
| 5  | Spatial and uniform deposition of cell-laden constructs on 3D printed composite phosphorylated hydrogels for improved osteoblast responses. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 17768-17784  | 4.3  | 2         |
| 4  | 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. <i>Materials Science and Engineering C</i> , <b>2021</b> , 127, 112252 | 8.3  | 1         |

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| 3 | SDF-1/OPF/BP Composites Enhance the Migrating and Osteogenic Abilities of Mesenchymal Stem Cells. <i>Stem Cells International</i> , <b>2021</b> , 2021, 1938819                            | 5    | 1 |
| 2 | Zinc-doped hydroxyapatite and poly(propylene fumarate) nanocomposite scaffold for bone tissue engineering. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 5998-6012               | 4.3  | 0 |
| 1 | Two-dimensional nanomaterials-added dynamism in 3D printing and bioprinting of biomedical platforms: Unique opportunities and challenges.. <i>Biomaterials</i> , <b>2022</b> , 284, 121507 | 15.6 | 0 |