

# Dibakar Mondal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1572390/publications.pdf>

Version: 2024-02-01

16  
papers

295  
citations

840776

11  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone Repair and Regenerative Biomaterials: Towards Recapitulating the Microenvironment. <i>Polymers</i> , 2019, 11, 1437.	4.5	46
2	Mechanical properties of nanocomposite biomaterials improved by extrusion during direct ink writing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 104, 103653.	3.1	28
3	Acrylated epoxidized soybean oil/hydroxyapatite-based nanocomposite scaffolds prepared by additive manufacturing for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2021, 118, 111400.	7.3	28
4	mSLA-based 3D printing of acrylated epoxidized soybean oil - nano-hydroxyapatite composites for bone repair. <i>Materials Science and Engineering C</i> , 2021, 130, 112456.	7.3	28
5	Fabrication and characterization of ZrO <sub>2</sub> -CaO-P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O-SiO <sub>2</sub> bioactive glass ceramics. <i>Journal of Materials Science</i> , 2013, 48, 1863-1872.	3.7	24
6	Microstructure and biocompatibility of composite biomaterials fabricated from titanium and tricalcium phosphate by spark plasma sintering. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1489-1501.	4.0	23
7	Bioactive borophosphosilicate-polycaprolactone hybrid biomaterials via a non-aqueous sol gel process. <i>RSC Advances</i> , 2016, 6, 92824-92832.	3.6	21
8	Mechanically-competent and cytocompatible polycaprolactone-borophosphosilicate hybrid biomaterials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 75, 180-189.	3.1	20
9	Porous and biodegradable polycaprolactone-borophosphosilicate hybrid scaffolds for osteoblast infiltration and stem cell differentiation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 92, 162-171.	3.1	18
10	Fabrication of multilayer ZrO <sub>2</sub> -biphasic calcium phosphate-poly-caprolactone unidirectional channeled scaffold for bone tissue formation. <i>Journal of Biomaterials Applications</i> , 2013, 28, 462-472.	2.4	15
11	In Vitro Study of CaTiO <sub>3</sub> -Hydroxyapatite Composites for Bone Tissue Engineering. <i>ASAIO Journal</i> , 2014, 60, 722-729.	1.6	15
12	Enhanced Mechanical Properties of 3D Printed Nanocomposites Composed of Functionalized Plant-Derived Biopolymers and Calcium-Deficient Hydroxyapatite Nanoparticles. <i>Frontiers in Materials</i> , 2022, 9, .	2.4	11
13	Comparative Study of Microstructures and Material Properties in the Vacuum and Spark Plasma Sintered Ti-Calcium Phosphate Composites. <i>Materials Transactions</i> , 2011, 52, 1436-1442.	1.2	8
14	Bioactivity, Degradation, and Mechanical Properties of Poly(vinylpyrrolidone-co-triethoxyvinylsilane)/Tertiary Bioactive Glass Hybrids. <i>ACS Applied Bio Materials</i> , 2018, 1, 1369-1381.	4.6	5
15	Sol-Gel Derived Tertiary Bioactive Glass-Ceramic Nanorods Prepared via Hydrothermal Process and Their Composites with Poly(Vinylpyrrolidone-Co-Vinylsilane). <i>Journal of Functional Biomaterials</i> , 2020, 11, 35.	4.4	4
16	Fabrication and characterization of the Ti-Ca-P composites by vacuum sintering. <i>Journal of Biomedical Science and Engineering</i> , 2011, 04, 583-590.	0.4	1