

Kausik Kapat

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

607
citations

933447

10
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric Nano-Biomaterials for Biomedicine and Tissue Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 1909045.	14.9	260
2	Influence of Porosity and Pore-Size Distribution in Ti ₆ Al ₄ V Foam on Physicomechanical Properties, Osteogenesis, and Quantitative Validation of Bone Ingrowth by Micro-Computed Tomography. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39235-39248.	8.0	101
3	Investigating the potential of human placenta-derived extracellular matrix sponges coupled with amniotic membrane-derived stem cells for osteochondral tissue engineering. <i>Journal of Materials Chemistry B</i> , 2016, 4, 613-625.	5.8	47
4	Simultaneous hydrothermal bioactivation with nano-topographic modulation of porous titanium alloys towards enhanced osteogenic and antimicrobial responses. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2877-2893.	5.8	41
5	pH-labile and photochemically cross-linkable polymer vesicles from coumarin based random copolymer for cancer therapy. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 132-144.	9.4	28
6	Hierarchical surface morphology on Ti6Al4V via patterning and hydrothermal treatment towards improving cellular response. <i>Applied Surface Science</i> , 2019, 478, 806-817.	6.1	26
7	Osseointegration assessment of extrusion printed Ti6Al4V scaffold towards accelerated skeletal defect healing via tissue in-growth. <i>Bioprinting</i> , 2017, 6, 8-17.	5.8	24
8	Coagulant assisted foaming – A method for cellular Ti6Al4V: Influence of microstructure on mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 689, 63-71.	5.6	21
9	Prefabricated 3D-Printed Tissue-Engineered Bone for Mandibular Reconstruction: A Preclinical Translational Study in Primate. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5727-5738.	5.2	16
10	Osteochondral Defects Healing Using Extracellular Matrix Mimetic Phosphate/Sulfate Decorated GAGs-Agarose Gel and Quantitative Micro-CT Evaluation. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 149-164.	5.2	13
11	Isolation and mass spectrometry based hydroxyproline mapping of type II collagen derived from <i>Capra hircus</i> ear cartilage. <i>Communications Biology</i> , 2019, 2, 146.	4.4	13
12	Bioinspired channeled, rhBMP-2-coated β -TCP scaffolds with embedded autologous vascular bundles for increased vascularization and osteogenesis of prefabricated tissue-engineered bone. <i>Materials Science and Engineering C</i> , 2021, 118, 111389.	7.3	12
13	Dough Extrusion Forming of Titanium Alloys – Green Body Characteristics, Microstructure and Mechanical Properties. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2018, 140, .	2.2	3
14	Net shape forming of Ti6Al4V implants via green machining. <i>Journal of Materials Research</i> , 0, , 1.	2.6	0