

Kausik Kapat

List of Publications by Year in descending order

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14
papers

607
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933447

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849
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Piezoelectric Nano-Biomaterials for Biomedicine and Tissue Regeneration. <i>Advanced Functional Materials</i> , 2020, 30, 1909045. | 14.9 | 260 |
| 4 | 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 |
| 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 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Net shape forming of Ti6Al4V implants via green machining. <i>Journal of Materials Research</i> , 0, , 1. | 2.6 | 0 |