

Ashley A Vu

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

506
citations

840776

11
h-index

1125743

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14
all docs

14
docs citations

14
times ranked

751
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Compositionally graded doped hydroxyapatite coating on titanium using laser and plasma spray deposition for bone implants. <i>Acta Biomaterialia</i> , 2019, 84, 414-423. | 8.3 | 121 |
| 2 | Mechanical and biological properties of ZnO, SiO ₂ , and Ag ₂ O doped plasma sprayed hydroxyapatite coating for orthopaedic and dental applications. <i>Acta Biomaterialia</i> , 2019, 92, 325-335. | 8.3 | 107 |
| 3 | Additive manufacturing of natural biopolymers and composites for bone tissue engineering. <i>Materials Horizons</i> , 2020, 7, 2011-2027. | 12.2 | 81 |
| 4 | Effects of polycaprolactone on alendronate drug release from Mg-doped hydroxyapatite coating on titanium. <i>Materials Science and Engineering C</i> , 2018, 88, 166-171. | 7.3 | 49 |
| 5 | Thermal Oxide Layer Enhances Crystallinity and Mechanical Properties for Plasma-Sprayed Hydroxyapatite Biomedical Coatings. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33465-33472. | 8.0 | 26 |
| 6 | Clinical significance of three-dimensional printed biomaterials and biomedical devices. <i>MRS Bulletin</i> , 2019, 44, 494-504. | 3.5 | 23 |
| 7 | Effects of surface area and topography on 3D printed tricalcium phosphate scaffolds for bone grafting applications. <i>Additive Manufacturing</i> , 2021, 39, 101870. | 3.0 | 21 |
| 8 | Natural Antibiotic Oregano in Hydroxyapatite-Coated Titanium Reduces Osteoclastic Bone Resorption for Orthopedic and Dental Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52383-52392. | 8.0 | 18 |
| 9 | Vitamin D ₃ Release from Traditionally and Additively Manufactured Tricalcium Phosphate Bone Tissue Engineering Scaffolds. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1025-1033. | 2.5 | 17 |
| 10 | Effects of chitosan-loaded hydroxyapatite on osteoblasts and osteosarcoma for chemopreventative applications. <i>Materials Science and Engineering C</i> , 2020, 115, 111041. | 7.3 | 16 |
| 11 | Ginger and Garlic Extracts Enhance Osteogenesis in 3D Printed Calcium Phosphate Bone Scaffolds with Bimodal Pore Distribution. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12964-12975. | 8.0 | 12 |
| 12 | Effects of vitamin D ₃ release from 3D printed calcium phosphate scaffolds on osteoblast and osteoclast cell proliferation for bone tissue engineering. <i>RSC Advances</i> , 2019, 9, 34847-34853. | 3.6 | 10 |
| 13 | Effects of Vitamin A (Retinol) Release from Calcium Phosphate Matrices and Porous 3D Printed Scaffolds on Bone Cell Proliferation and Maturation. <i>ACS Applied Bio Materials</i> , 2022, 5, 1120-1129. | 4.6 | 5 |