

Elena Mancuso

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

839
citations

535685

17
h-index

651938

25
g-index

25
all docs

25
docs citations

25
times ranked

1070
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Printed Strontium and Zinc Doped Hydroxyapatite Loaded PEEK for Craniomaxillofacial Implants. <i>Polymers</i> , 2022, 14, 1376.	2.0	14
2	3D printed composite materials for craniofacial implants: current concepts, challenges and future directions. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 635-653.	1.5	24
3	Next-generation surgical meshes for drug delivery and tissue engineering applications: materials, design and emerging manufacturing technologies. <i>Bio-Design and Manufacturing</i> , 2021, 4, 278-310.	3.9	33
4	Additively manufactured BaTiO ₃ composite scaffolds: A novel strategy for load bearing bone tissue engineering applications. <i>Materials Science and Engineering C</i> , 2021, 126, 112192.	3.8	42
5	3D printed PEEK/HA composites for bone tissue engineering applications: Effect of material formulation on mechanical performance and bioactive potential. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 121, 104601.	1.5	62
6	Poly(caprolactone)-based subcutaneous implant for sustained delivery of levothyroxine. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121011.	2.6	24
7	Development of drug loaded cardiovascular prosthesis for thrombosis prevention using 3D printing. <i>Materials Science and Engineering C</i> , 2021, 129, 112375.	3.8	37
8	Melt-extrusion 3D printing of resorbable levofloxacin-loaded meshes: Emerging strategy for urogynaecological applications. <i>Materials Science and Engineering C</i> , 2021, 131, 112523.	3.8	5
9	The use of polymeric meshes for pelvic organ prolapse: Current concepts, challenges, and future perspectives. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 771-789.	1.6	21
10	Towards 3D Multi-Layer Scaffolds for Periodontal Tissue Engineering Applications: Addressing Manufacturing and Architectural Challenges. <i>Polymers</i> , 2020, 12, 2233.	2.0	18
11	Poly(caprolactone)-Based Coatings on 3D-Printed Biodegradable Implants: A Novel Strategy to Prolong Delivery of Hydrophilic Drugs. <i>Molecular Pharmaceutics</i> , 2020, 17, 3487-3500.	2.3	60
12	3D printed Sr-containing composite scaffolds: Effect of structural design and material formulation towards new strategies for bone tissue engineering. <i>Composites Science and Technology</i> , 2020, 191, 108069.	3.8	78
13	Long-acting implantable devices for the prevention and personalised treatment of infectious, inflammatory and chronic diseases. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 101952.	1.4	6
14	Development of a Biodegradable Subcutaneous Implant for Prolonged Drug Delivery Using 3D Printing. <i>Pharmaceutics</i> , 2020, 12, 105.	2.0	109
15	3D Printing of Drug-Loaded Thermoplastic Polyurethane Meshes: A Potential Material for Soft Tissue Reinforcement in Vaginal Surgery. <i>Pharmaceutics</i> , 2020, 12, 63.	2.0	92
16	Continence technologies whitepaper: Informing new engineering science research. Proceedings of the Institution of Mechanical Engineers, Part H: <i>Journal of Engineering in Medicine</i> , 2019, 233, 138-153.	1.0	3
17	Osteogenic potential of heterogeneous and CD271-enriched mesenchymal stromal cells cultured on apatite-wollastonite 3D scaffolds. <i>BMC Biomedical Engineering</i> , 2019, 1, 16.	1.7	6
18	Fused Deposition Modeling as an Effective Tool for Anti-Infective Dialysis Catheter Fabrication. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6300-6310.	2.6	60

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19	Multilayer nanoscale functionalization to treat disorders and enhance regeneration of bone tissue. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 19, 22-38.	1.7	18
20	Potential of Manuka Honey as a Natural Polyelectrolyte to Develop Biomimetic Nanostructured Meshes With Antimicrobial Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 344.	2.0	21
21	Osseointegration of porous apatite-wollastonite and poly(lactic acid) composite structures created using 3D printing techniques. <i>Materials Science and Engineering C</i> , 2018, 90, 1-7.	3.8	31
22	Three-dimensional printing of porous load-bearing bioceramic scaffolds. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2017, 231, 575-585.	1.0	30
23	Novel bioglasses for bone tissue repair and regeneration: Effect of glass design on sintering ability, ion release and biocompatibility. <i>Materials and Design</i> , 2017, 129, 239-248.	3.3	28
24	Sensitivity of novel silicate and borate-based glass structures on in vitro bioactivity and degradation behaviour. <i>Ceramics International</i> , 2017, 43, 12651-12657.	2.3	14