

Bin Zhang

List of Publications by Year in descending order

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13
papers

290
citations

1307366

7
h-index

1372474

10
g-index

13
all docs

13
docs citations

13
times ranked

363
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradient scaffolds for osteochondral tissue engineering and regeneration. Journal of Materials Chemistry B, 2020, 8, 8149-8170.	2.9	88
2	Solvent-based Extrusion 3D Printing for the Fabrication of Tissue Engineering Scaffolds. International Journal of Bioprinting, 2019, 6, 211.	1.7	73
3	Finite element evaluations of the mechanical properties of polycaprolactone/hydroxyapatite scaffolds by direct ink writing: Effects of pore geometry. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 104, 103665.	1.5	39
4	Direct ink writing of polycaprolactone / polyethylene oxide based 3D constructs. Progress in Natural Science: Materials International, 2021, 31, 180-191.	1.8	31
5	Effects of porosity on drug release kinetics of swellable and erodible porous pharmaceutical solid dosage forms fabricated by hot melt droplet deposition 3D printing. International Journal of Pharmaceutics, 2021, 604, 120626.	2.6	21
6	An investigation into the formations of the internal microstructures of solid dispersions prepared by hot melt extrusion. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 155, 147-161.	2.0	13
7	Direct ink writing of vancomycin-loaded polycaprolactone/ polyethylene oxide/ hydroxyapatite 3D scaffolds. Journal of the American Ceramic Society, 2022, 105, 1821-1840.	1.9	13
8	New insights into the effects of porosity, pore length, pore shape and pore alignment on drug release from extrusionbased additive manufactured pharmaceuticals. Additive Manufacturing, 2021, 46, 102196.	1.7	6
9	Patterned surfaces with the controllable drug doses using inkjet printing. Journal of Materials Research, 2021, 36, 3865-3876.	1.2	5
10	Dynamic in vivo protein carbonyl biosensor for measuring oxidative stress. Medical Devices & Sensors, 2020, 3, e10135.	2.7	1
11	Nanostructured biomaterials for regenerative medicine: Clinical perspectives. , 2020, , 47-80.		0
12	Reversible Protein Carbonylation In-Vivo Biosensor. , 2019, , .		0
13	Optical fiber based in-vivo oxidative stress biosensor. , 2019, , .		0