Vincent Fitzpatrick

List of Publications by Year
in descending order

12	855	840776 11	1281871 11
papers	citations	h-index	g-index

13	13	13	1140
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of biodegradable, implantable devices towards clinical translation. Nature Reviews Materials, 2020, 5, 61-81.	48.7	440
2	Functionalized 3D-printed silk-hydroxyapatite scaffolds for enhanced bone regeneration with innervation and vascularization. Biomaterials, 2021, 276, 120995.	11.4	96
3	Complementary Effects of Two Growth Factors in Multifunctionalized Silk Nanofibers for Nerve Reconstruction. PLoS ONE, 2014, 9, e109770.	2.5	59
4	From Silk Spinning to 3D Printing: Polymer Manufacturing using Directed Hierarchical Molecular Assembly. Advanced Healthcare Materials, 2020, 9, e1901552.	7.6	53
5	Photoacoustic Carbon Nanotubes Embedded Silk Scaffolds for Neural Stimulation and Regeneration. ACS Nano, 2022, 16, 2292-2305.	14.6	50
6	Automated Buildup of Biomimetic Films in Cell Culture Microplates for Highâ€Throughput Screening of Cellular Behaviors. Advanced Materials, 2018, 30, e1801097.	21.0	36
7	Silk Polymers and Nanoparticles: A Powerful Combination for the Design of Versatile Biomaterials. Frontiers in Chemistry, 2020, 8, 604398.	3.6	31
8	Stiffness-dependent cellular internalization of matrix-bound BMP-2 and its relation to Smad and non-Smad signaling. Acta Biomaterialia, 2016, 46, 55-67.	8.3	29
9	Signal mingle: Micropatterns of BMP-2 and fibronectin on soft biopolymeric films regulate myoblast shape and SMAD signaling. Scientific Reports, 2017, 7, 41479.	3.3	26
10	3D-printed scaffold combined to 2D osteoinductive coatings to repair a critical-size mandibular bone defect. Materials Today Bio, 2021, 11, 100113.	5.5	20
11	Selfâ€Folding 3D Silk Biomaterial Rolls to Facilitate Axon and Bone Regeneration. Advanced Healthcare Materials, 2020, 9, e2000530.	7.6	15
12	3D Printed Scaffold Combined to 2D Osteoinductive Coatings To Repair a Critical-Size Mandibular Bone Defect. SSRN Electronic Journal, 0, , .	0.4	0