Pujiang Shi

List of Publications by Year
in descending order

32 papers	840 citations	393982 19 h-index	500791 28 g-index
33 all docs	33 docs citations	33 times ranked	1344 citing authors

#	Article	IF	Citations
1	Machine learning-assisted optimization of TBBPA-bis-(2,3-dibromopropyl ether) extraction process from ABS polymer. Chemosphere, 2022, 287, 132128.	4.2	6
2	Direct reuse of electronic plastic scraps from computer monitor and keyboard to direct stem cell growth and differentiation. Science of the Total Environment, 2022, 807, 151085.	3.9	7
3	Elucidating the Sizeâ€Dependency of In Vitro Digested Polystyrene Microplastics on Human Intestinal Cells Health and Function. Macromolecular Chemistry and Physics, 2022, 223, .	1.1	7
4	Clarifying the in-situ cytotoxic potential of electronic waste plastics. Chemosphere, 2021, 269, 128719.	4.2	17
5	Direct and Labelâ€Free Cell Status Monitoring of Spheroids and Microcarriers Using Microfluidic Impedance Cytometry. Small, 2021, 17, e2007500.	5.2	28
6	Microfluidics: Direct and Labelâ€Free Cell Status Monitoring of Spheroids and Microcarriers Using Microfluidic Impedance Cytometry (Small 21/2021). Small, 2021, 17, 2170101.	5.2	0
7	Inflammation Increases Susceptibility of Human Small Airway Epithelial Cells to Pneumonic Nanotoxicity. Small, 2020, 16, 2000963.	5.2	15
8	A bilayer photoreceptor-retinal tissue model with gradient cell density design: A study of microvalve-based bioprinting. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1297-1306.	1.3	31
9	Tissue engineering of retina and Bruchâ€™s membrane: a review of cells, materials and processes. British Journal of Ophthalmology, 2018, 102, 1182-1187.	2.1	17
10	Selfâ€Assembling Nanoclay Diffusion Gels for Bioactive Osteogenic Microenvironments. Advanced Healthcare Materials, 2018, 7, e1800331.	3.9	38
11	Investigation of cell viability and morphology in 3D bioâ€printed alginate constructs with tunable stiffness. Journal of Biomedical Materials Research - Part A, 2017, 105, 1009-1018.	2.1	40
12	Yolk shell nanocomposite particles as bioactive bone fillers and growth factor carriers. Nanoscale, 2017, 9, 14520-14532.	2.8	6
13	Hybrid three-dimensional (3D) bioprinting of retina equivalent for ocular researchÂ. International Journal of Bioprinting, 2017, 3, 138.	1.7	33
14	In vitrogeneration of a multilayered osteochondral construct with an osteochondral interface using rabbit bone marrow stromal cells and a silk peptide-based scaffold. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 284-293.	1.3	22
15	Bone induction at physiological doses of BMP through localization by clay nanoparticle gels. Biomaterials, 2016, 99, 16-23.	5.7	73
16	Enhancing Analysis of Cells and Proteins by Fluorescence Imaging on Silk-Based Biomaterials: Modulating the Autofluorescence of Silk. Tissue Engineering - Part C: Methods, 2015, 21, 218-228.	1.1	6
17	A Moldable Putty Containing Silk Fibroin Yolk Shell Particles for Improved Hemostasis and Bone Repair. Advanced Healthcare Materials, 2015, 4, 432-445.	3.9	11
18	Characterization and mechanical performance study of silk/PVA cryogels: towards nucleus pulposus tissue engineering. Biomedical Materials (Bristol), 2014, 9, 065002.	1.7	24

#	Article	IF	Citations
19	Efficacy of BMPâ€2 Delivery from Natural Protein Based Polymeric Particles. Advanced Healthcare Materials, 2013, 2, 934-939.	3.9	23
20	Variation of the effect of calcium phosphate enhancement of implanted silk fibroin ligament bone integration. Biomaterials, 2013, 34, 5947-5957.	5.7	50
21	Silk Fibroin-Based Complex Particles with Bioactive Encrustation for Bone Morphogenetic Protein 2 Delivery. Biomacromolecules, 2013, 14, 4465-4474.	2.6	43
22	Self-assembled silk fibroin particles: Tunable size and appearance. Powder Technology, 2012, 215-216, 85-90.	2.1	33
23	Advancement of lung tissue engineering: an overview. International Journal of Biomedical Engineering and Technology, 2011, 5, 195.	0.2	5
24	Release and cellular acceptance of multiple drugs loaded silk fibroin particles. International Journal of Pharmaceutics, 2011, 420, 282-289.	2.6	53
25	Parametric analysis of shape changes of alginate beads. Powder Technology, 2011, 210, 60-66.	2.1	38
26	Bioactive Ceramic/Polyamide 6 Scaffold for Bone Regeneration:In vitroandin vivoEvaluation. Polymer-Plastics Technology and Engineering, 2011, 50, 1367-1374.	1.9	4
27	Gentamicinâ€impregnated chitosan/nanohydroxyapatite/ethyl cellulose microspheres granules for chronic osteomyelitis therapy. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1020-1031.	2.1	24
28	Hydroxyapatite/polyurethane scaffold incorporated with drugâ€loaded ethyl cellulose microspheres for bone regeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 95B, 36-46.	1.6	57
29	Preparation and characterization of aliphatic polyurethane and hydroxyapatite composite scaffold. Journal of Applied Polymer Science, 2009, 112, 2968-2975.	1.3	30
30	Improved properties of incorporated chitosan film with ethyl cellulose microspheres for controlled release. International Journal of Pharmaceutics, 2009, 375, 67-74.	2.6	39
31	Fabrication and property of chitosan film carrying ethyl cellulose microspheres. Carbohydrate Polymers, 2008, 72, 490-499.	5.1	28
32	The study of tri-phasic interactions in nano-hydroxyapatite/konjac glucomannan/chitosan composite. Journal of Materials Science, 2007, 42, 2591-2597.	1.7	32