Swee-Hin Teoh

List of Publications by Year
in descending order

31 papers	705 citations	471509 17 h-index	552781 26 g-index
31 all docs	31 docs citations	31 times ranked	1099 citing authors

#	Article	IF	Citations
1	A polycaprolactone-tricalcium phosphate composite scaffold as an autograft-free spinal fusion cage in a sheep model. Biomaterials, 2014, 35, 5647-5659.	11.4	64
2	Marine collagen scaffolds in tissue engineering. Current Opinion in Biotechnology, 2022, 74, 92-103.	6.6	63
3	Review: bioreactor design towards generation of relevant engineered tissues: focus on clinical translation. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e7-e22.	2.7	45
4	Development and Characterization of Organic Electronic Scaffolds for Bone Tissue Engineering. Advanced Healthcare Materials, 2016, 5, 1505-1512.	7.6	39
5	Three-Dimensional Printed Polycaprolactone Scaffolds for Bone Regeneration Success and Future Perspective. Tissue Engineering - Part A, 2019, 25, 931-935.	3.1	37
6	Bioinspired approaches to toughen calcium phosphate-based ceramics for bone repair.. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104078.	3.1	37
7	In vitro cyclic compressive loads potentiate early osteogenic events in engineered bone tissue. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 2366-2375.	3.4	35
8	Ultra-low percolation threshold POSS-PCL/graphene electrically conductive polymer: Neural tissue engineering nanocomposites for neurosurgery. Materials Science and Engineering C, 2019, 104, 109915.	7.3	35
9	Neutrophilâ€mediated enhancement of angiogenesis and osteogenesis in a novel triple cell coâ€culture model with endothelial cells and osteoblasts. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1221-e1236.	2.7	34
10	Evaluation of decellularized tilapia skin as a tissue engineering scaffold. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1779-1791.	2.7	32
11	Nanomaterial scaffolds to regenerate musculoskeletal tissue: signals from within for neovessel formation. Drug Discovery Today, 2017, 22, 1385-1391.	6.4	27
12	Dual-Microstructured Porous, Anisotropic Film for Biomimicking of Endothelial Basement Membrane. ACS Applied Materials & Interfaces, 2015, 7, 13445-13456.	8.0	26
13	In Vivo Immune Responses of Cross-Linked Electrospun Tilapia Collagen Membrane<sup />. Tissue Engineering - Part A, 2017, 23, 1110-1119.	3.1	26
14	Direct Laser Microperforation of Bioresponsive Surface-Patterned Films with Through-Hole Arrays for Vascular Tissue-Engineering Application. ACS Biomaterials Science and Engineering, 2015, 1, 1239-1249.	5.2	20
15	A scalable approach to obtain mesenchymal stem cells with osteogenic potency on apatite microcarriers. Journal of Biomaterials Applications, 2014, 29, 93-103.	2.4	19
16	Effect of Heat-Inactivated Clostridium sporogenes and Its Conditioned Media on 3-Dimensional Colorectal Cancer Cell Models. Scientific Reports, 2015, 5, 15681.	3.3	19
17	Effects of Electromagnetic Field on Proliferation, Differentiation, and Mineralization of MC3T3 Cells. Tissue Engineering - Part C: Methods, 2019, 25, 114-125.	2.1	19
18	Bio-Conjugated Polycaprolactone Membranes: A Novel Wound Dressing. Archives of Plastic Surgery, 2014, 41, 638-646.	0.9	18

#	Article	IF	Citations
19	Biomimetic fetal rotation bioreactor for engineering bone tissuesâ€"Effect of cyclic strains on upregulation of osteogenic gene expression. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e2039-e2050.	2.7	16
20	Synergistic Effect of PVDF-Coated PCL-TCP Scaffolds and Pulsed Electromagnetic Field on Osteogenesis. International Journal of Molecular Sciences, 2021, 22, 6438.	4.1	16
21	A polycaprolactone-Î²-tricalcium phosphateâ€"heparan sulphate device for cranioplasty. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 341-348.	1.7	14
22	Cryomilling for the fabrication of doxorubicin-containing silica-nanoparticle/polycaprolactone nanocomposite films. Nanoscale, 2016, 8, 2568-2574.	5.6	12
23	Biologization of Pcl-Mesh Using Platelet Rich Fibrin (Prf) Enhances Its Regenerative Potential In Vitro. International Journal of Molecular Sciences, 2021, 22, 2159.	4.1	11
24	Comparative Craniofacial Bone Regeneration Capacities of Mesenchymal Stem Cells Derived from Human Neural Crest Stem Cells and Bone Marrow. ACS Biomaterials Science and Engineering, 2021, 7, 207-221.	5.2	10
25	In Vivo Efficacy of Neutrophil-Mediated Bone Regeneration Using a Rabbit Calvarial Defect Model. International Journal of Molecular Sciences, 2021, 22, 13016.	4.1	10
26	Self-Assembled Nanofibrous Marine Collagen Matrix Accelerates Healing of Full-Thickness Wounds. ACS Applied Bio Materials, 2021, 4, 7044-7058.	4.6	7
27	A Selective and Purification-Free Strategy for Labeling Adherent Cells with Inorganic Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 6336-6343.	8.0	5
28	Endothelial colony forming cells from human umbilical cord blood improved severe erectile dysfunction in obese type II diabetic rats. Life Sciences, 2018, 207, 272-283.	4.3	4
29	Bioengineered threeâ€dimensional transparent eggshell as a chicken embryo experimentation platform for biomedical research. Engineering Reports, 2020, 2, e12092.	1.7	3
30	Effects of Pulsed Electromagnetic Field Intensity on Mesenchymal Stem Cells. Bioelectricity, 2021, 3, 186-196.	1.1	2
31	50 Years of Biomaterials Research in Singapore. , 2016, , 157-177.		0