

James C H Goh

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,218
citations

566801

15
h-index

713013

21
g-index

25
all docs

25
docs citations

25
times ranked

1900
citing authors

#	ARTICLE	IF	CITATIONS
1	Anterior cruciate ligament regeneration using mesenchymal stem cells and silk scaffold in large animal model. <i>Biomaterials</i> , 2009, 30, 4967-4977.	5.7	243
2	A soft exoskeleton for hand assistive and rehabilitation application using pneumatic actuators with variable stiffness. , 2015, , .		175
3	Biological performance of a polycaprolactone-based scaffold used as fusion cage device in a large animal model of spinal reconstructive surgery. <i>Biomaterials</i> , 2009, 30, 5086-5093.	5.7	101
4	Collagen Microstructural Factors Influencing Optic Nerve Head Biomechanics. , 2015, 56, 2031.		87
5	Aligned Hybrid Silk Scaffold for Enhanced Differentiation of Mesenchymal Stem Cells into Ligament Fibroblasts. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 687-703.	1.1	80
6	A fabric-regulated soft robotic glove with user intent detection using EMG and RFID for hand assistive application. , 2016, , .		79
7	Viability of Allogeneic Bone Marrow Stromal Cells following Local Delivery into Patella Tendon in Rabbit Model. <i>Cell Transplantation</i> , 2004, 13, 649-658.	1.2	64
8	Release and cellular acceptance of multiple drugs loaded silk fibroin particles. <i>International Journal of Pharmaceutics</i> , 2011, 420, 282-289.	2.6	53
9	Variation of the effect of calcium phosphate enhancement of implanted silk fibroin ligament bone integration. <i>Biomaterials</i> , 2013, 34, 5947-5957.	5.7	50
10	In vivo bioactivity of rhBMP-2 delivered with novel polyelectrolyte complexation shells assembled on an alginate microbead core template. <i>Journal of Controlled Release</i> , 2012, 162, 364-372.	4.8	47
11	Silk Fibroin-Based Complex Particles with Bioactive Encrustation for Bone Morphogenetic Protein 2 Delivery. <i>Biomacromolecules</i> , 2013, 14, 4465-4474.	2.6	43
12	Verification of a virtual fields method to extract the mechanical properties of human optic nerve head tissues in vivo. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 871-887.	1.4	40
13	Efficacy of BMP Delivery from Natural Protein Based Polymeric Particles. <i>Advanced Healthcare Materials</i> , 2013, 2, 934-939.	3.9	23
14	Osteochondral tissue engineering: Perspectives for clinical application and preclinical development. <i>Journal of Orthopaedic Translation</i> , 2021, 30, 93-102.	1.9	22
15	Bone Mineral Density and Hip Axis Length in Singapore's Multiracial Population. <i>Journal of Clinical Densitometry</i> , 2004, 7, 406-412.	0.5	20
16	Three-dimensional spatial configuration of tumour cells confers resistance to chemotherapy independent of drug delivery. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, 637-646.	1.3	18
17	<i>In vitro</i> generation of whole osteochondral constructs using rabbit bone marrow stromal cells, employing a two-chambered co-culture well design. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, 294-304.	1.3	17
18	Sequestration of rhBMP-2 into Self-Assembled Polyelectrolyte Complexes Promotes Anatomic Localization of New Bone in a Porcine Model of Spinal Reconstructive Surgery. <i>Tissue Engineering - Part A</i> , 2014, 20, 1679-1688.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Fabrication of polycaprolactone-silanated β -tricalcium phosphate-heparan sulfate scaffolds for spinal fusion applications. <i>Spine Journal</i> , 2018, 18, 818-830.	0.6	12
20	A Moldable Putty Containing Silk Fibroin Yolk Shell Particles for Improved Hemostasis and Bone Repair. <i>Advanced Healthcare Materials</i> , 2015, 4, 432-445.	3.9	11
21	Heparin-Based Polyelectrolyte Complex Enhances the Therapeutic Efficacy of Bone Morphogenetic Protein-2 for Posterolateral Fusion in a Large Animal Model. <i>Spine</i> , 2016, 41, 1199-1207.	1.0	9
22	Yolk shell nanocomposite particles as bioactive bone fillers and growth factor carriers. <i>Nanoscale</i> , 2017, 9, 14520-14532.	2.8	6
23	Immobilization of vitronectin-binding heparan sulfates onto surfaces to support human pluripotent stem cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1887-1896.	1.6	2
24	Systems medicine for the delivery of better healthcare services – International Federation for Medical and Biological Engineering (IFMBE) perspective. <i>Health and Technology</i> , 2017, 7, 5-5.	2.1	1
25	PL-3 Challenges in functional ligament tissue engineering. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , 2007, 2007.6, _PL-3-1_-_PL-3-5_.	0.0	0