Gavin Jell

List of Publications by Year
in descending order

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46 papers	3,001 citations	257357 24 h-index	276775 41 g-index
46 all docs	46 docs citations	46 times ranked	4657 citing authors

#	Article	IF	Citations
1	Histological analysis of fat grafting with plateletâ€rich plasma for diabetic foot ulcersâ€”A randomised controlled trial. International Wound Journal, 2022, 19, 389-398.	1.3	10
2	An Evaluation of the Effect of Activation Methods on the Release of Growth Factors from Platelet-Rich Plasma. Plastic and Reconstructive Surgery, 2022, 149, 404-411.	0.7	4
3	Clinical relevance assessment of animal preclinical research (RAA) tool: development and explanation. PeerJ, 2021, 9, e10673.	0.9	8
4	Fat grafting and platelet-rich plasma in wound healing: a review of histology from animal studies. Adipocyte, 2021, 10, 80-90.	1.3	18
5	Bioengineering the ameloblastoma tumour to study its effect on bone nodule formation. Scientific Reports, 2021, 11, 24088.	1.6	11
6	Hypoxia Inducible Factor-1Î± in Osteochondral Tissue Engineering. Tissue Engineering - Part B: Reviews, 2020, 26, 105-115.	2.5	27
7	Electrospinning 3D bioactive glasses for wound healing. Biomedical Materials (Bristol), 2020, 15, 015014.	1.7	30
8	Fat grafting and plateletâ€rich plasma for the treatment of diabetic foot ulcers: A feasibilityâ€randomised controlled trial. International Wound Journal, 2020, 17, 1578-1594.	1.3	31
9	Protocol for a feasibility randomised controlled trial of targeted oxygen therapy in mechanically ventilated critically ill patients. BMJ Open, 2019, 9, e021674.	0.8	4
10	Hypoxia impacts human MSC response to substrate stiffness during chondrogenic differentiation. Acta Biomaterialia, 2019, 89, 73-83.	4.1	46
11	Mechanical and surface chemical analysis of retrieved breast implants from a single centre. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 24-31.	1.5	8
12	The use of fat grafting and plateletâ€rich plasma for wound healing: A review of the current evidence. International Wound Journal, 2019, 16, 275-285.	1.3	38
13	Impact of post mastectomy radiotherapy on the silicone breast implant. Materials Science and Engineering C, 2019, 98, 288-292.	3.8	4
14	Perioperative antioxidants for adults undergoing elective non-cardiac surgery. The Cochrane Library, 2018, , .	1.5	0
15	Stiffness memory nanohybrid scaffolds generated by indirect 3D printing for biologically responsive soft implants. Acta Biomaterialia, 2018, 80, 188-202.	4.1	22
16	Differential Regulation of Human Bone Marrow Mesenchymal Stromal Cell Chondrogenesis by Hypoxia Inducible Factor-1Î± Hydroxylase Inhibitors. Stem Cells, 2018, 36, 1380-1392.	1.4	51
17	Osteoblast-like cell responses to silicate ions released from 45S5-type bioactive glass and siloxane-doped vaterite. Journal of Materials Science, 2017, 52, 8942-8956.	1.7	18
18	Determining the outcomes of post-mastectomy radiation therapy delivered to the definitive implant in patients undergoing one- and two-stage implant-based breast reconstruction: AÂsystematic review and meta-analysis. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2017, 70, 1329-1335.	0.5	49

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19	Rapid production of human liver scaffolds for functional tissue engineering by high shear stress oscillation-decellularization. Scientific Reports, 2017, 7, 5534.	1.6	79
20	A Biodesigned Nanocomposite Biomaterial for Auricular Cartilage Reconstruction. Advanced Healthcare Materials, 2016, 5, 1203-1212.	3.9	18
21	Hypoxia-mimicking bioactive glass/collagen glycosaminoglycan composite scaffolds to enhance angiogenesis and bone repair. Biomaterials, 2015, 52, 358-366.	5.7	200
22	Hypoxia Inducible Factor-Stabilizing Bioactive Glasses for Directing Mesenchymal Stem Cell Behavior. Tissue Engineering - Part A, 2015, 21, 382-389.	1.6	56
23	Personalized In Vitro Cancer Modeling â€" Fantasy or Reality?. Translational Oncology, 2014, 7, 657-664.	1.7	34
24	Nerve Regeneration and Bioengineering. , 2014, , 799-810.		11
25	Design and development of nanocomposite scaffolds for auricular reconstruction. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 235-246.	1.7	64
26	Investigation of Schwann cell behaviour on RGD-functionalised bioabsorbable nanocomposite for peripheral nerve regeneration. New Biotechnology, 2014, 31, 203-213.	2.4	29
27	Nanotechnology and medical devices: Risk, regulation and â€˜metaâ€™ registration. World Journal of Engineering, 2013, 10, 191-198.	1.0	8
28	Template synthesis of ordered macroporous hydroxyapatite bioceramics. Chemical Communications, 2011, 47, 9048.	2.2	24
29	Transplantation of human fetal blood stem cells in the osteogenesis imperfecta mouse leads to improvement in multiscale tissue properties. Blood, 2011, 117, 1053-1060.	0.6	78
30	Synthesis and characterization of hypoxia-mimicking bioactive glasses for skeletal regeneration. Journal of Materials Chemistry, 2010, 20, 8854.	6.7	112
31	The effects of strontium-substituted bioactive glasses on osteoblasts and osteoclasts in vitro. Biomaterials, 2010, 31, 3949-3956.	5.7	523
32	Raman Spectroscopy: A Tool for Tissue Engineering. Biological and Medical Physics Series, 2010, , 419-437.	0.3	5
33	Reactive polyurethane carbon nanotube foams and their interactions with osteoblasts. Journal of Biomedical Materials Research - Part A, 2009, 88A, 65-73.	2.1	57
34	Comparative materials differences revealed in engineered bone as a function of cell-specific differentiation. Nature Materials, 2009, 8, 763-770.	13.3	223
35	Biomaterial-Related Approaches: Surface Structuring. , 2009, , 469-484.		8
36	Nonâ€invasive analysis of cell cycle dynamics in single living cells with Raman microâ€spectroscopy. Journal of Cellular Biochemistry, 2008, 104, 1427-1438.	1.2	107

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37	Biofunctionalization of Biomaterials for Accelerated in Situ Endothelialization: A Review. Biomacromolecules, 2008, 9, 2969-2979.	2.6	319
38	Carbon nanotube-enhanced polyurethane scaffolds fabricated by thermally induced phase separation. Journal of Materials Chemistry, 2008, 18, 1865.	6.7	95
39	Titanium dioxide (TiO2) nanoparticles filled poly(d,l lactid acid) (PDLLA) matrix composites for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2007, 18, 1287-1298.	1.7	108
40	Gene activation by bioactive glasses. Journal of Materials Science: Materials in Medicine, 2006, 17, 997-1002.	1.7	169
41	Lymphangiogenesis in the boneâ€“implant interface of orthopedic implants: Importance and consequence. Journal of Biomedical Materials Research - Part A, 2006, 77A, 119-127.	2.1	22
42	In vitro toxicology evaluation of pharmaceuticals using Raman micro-spectroscopy. Journal of Cellular Biochemistry, 2006, 99, 178-186.	1.2	78
43	Multivariate analysis of Raman spectra for in vitro non-invasive studies of living cells. Journal of Molecular Structure, 2005, 744-747, 179-185.	1.8	95
44	Immunochemical techniques in tissue engineering and biomaterial science. , 2005, , 227-240.		0
45	A guide to basic cell culture and applications in biomaterials and tissue engineering. , 2005, , 215-226.		8
46	In situ non-invasive spectral discrimination between bone cell phenotypes used in tissue engineering. Journal of Cellular Biochemistry, 2004, 92, 1180-1192.	1.2	92