

# Gavin Jell

## List of Publications by Year in descending order

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46  
papers

3,001  
citations

293460

24  
h-index

312153

41  
g-index

46  
all docs

46  
docs citations

46  
times ranked

5204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Histological analysis of fat grafting with platelet-rich plasma for diabetic foot ulcersâ€”A randomised controlled trial. <i>International Wound Journal</i> , 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. <i>Plastic and Reconstructive Surgery</i> , 2022, 149, 404-411.	0.7	4
3	Clinical relevance assessment of animal preclinical research (RAA) tool: development and explanation. <i>PeerJ</i> , 2021, 9, e10673.	0.9	8
4	Fat grafting and platelet-rich plasma in wound healing: a review of histology from animal studies. <i>Adipocyte</i> , 2021, 10, 80-90.	1.3	18
5	Bioengineering the ameloblastoma tumour to study its effect on bone nodule formation. <i>Scientific Reports</i> , 2021, 11, 24088.	1.6	11
6	Hypoxia Inducible Factor-1Î± in Osteochondral Tissue Engineering. <i>Tissue Engineering - Part B: Reviews</i> , 2020, 26, 105-115.	2.5	27
7	Electrospinning 3D bioactive glasses for wound healing. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 015014.	1.7	30
8	Fat grafting and platelet-rich plasma for the treatment of diabetic foot ulcers: A feasibilityâ€”randomised controlled trial. <i>International Wound Journal</i> , 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. <i>BMJ Open</i> , 2019, 9, e021674.	0.8	4
10	Hypoxia impacts human MSC response to substrate stiffness during chondrogenic differentiation. <i>Acta Biomaterialia</i> , 2019, 89, 73-83.	4.1	46
11	Mechanical and surface chemical analysis of retrieved breast implants from a single centre. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 91, 24-31.	1.5	8
12	The use of fat grafting and platelet-rich plasma for wound healing: A review of the current evidence. <i>International Wound Journal</i> , 2019, 16, 275-285.	1.3	38
13	Impact of post mastectomy radiotherapy on the silicone breast implant. <i>Materials Science and Engineering C</i> , 2019, 98, 288-292.	3.8	4
14	Perioperative antioxidants for adults undergoing elective non-cardiac surgery. <i>The Cochrane Library</i> , 2018, , .	1.5	0
15	Stiffness memory nanohybrid scaffolds generated by indirect 3D printing for biologically responsive soft implants. <i>Acta Biomaterialia</i> , 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. <i>Stem Cells</i> , 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. <i>Journal of Materials Science</i> , 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: A systematic review and meta-analysis. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2017, 70, 1329-1335.	0.5	49

#	ARTICLE	IF	CITATIONS
19	Rapid production of human liver scaffolds for functional tissue engineering by high shear stress oscillation-decellularization. <i>Scientific Reports</i> , 2017, 7, 5534.	1.6	79
20	A Biodesigned Nanocomposite Biomaterial for Auricular Cartilage Reconstruction. <i>Advanced Healthcare Materials</i> , 2016, 5, 1203-1212.	3.9	18
21	Hypoxia-mimicking bioactive glass/collagen glycosaminoglycan composite scaffolds to enhance angiogenesis and bone repair. <i>Biomaterials</i> , 2015, 52, 358-366.	5.7	200
22	Hypoxia Inducible Factor-Stabilizing Bioactive Glasses for Directing Mesenchymal Stem Cell Behavior. <i>Tissue Engineering - Part A</i> , 2015, 21, 382-389.	1.6	56
23	Personalized In Vitro Cancer Modeling – Fantasy or Reality?. <i>Translational Oncology</i> , 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. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 235-246.	1.7	64
26	Investigation of Schwann cell behaviour on RGD-functionalised bioabsorbable nanocomposite for peripheral nerve regeneration. <i>New Biotechnology</i> , 2014, 31, 203-213.	2.4	29
27	Nanotechnology and medical devices: Risk, regulation and –meta–™ registration. <i>World Journal of Engineering</i> , 2013, 10, 191-198.	1.0	8
28	Template synthesis of ordered macroporous hydroxyapatite bioceramics. <i>Chemical Communications</i> , 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. <i>Blood</i> , 2011, 117, 1053-1060.	0.6	78
30	Synthesis and characterization of hypoxia-mimicking bioactive glasses for skeletal regeneration. <i>Journal of Materials Chemistry</i> , 2010, 20, 8854.	6.7	112
31	The effects of strontium-substituted bioactive glasses on osteoblasts and osteoclasts in vitro. <i>Biomaterials</i> , 2010, 31, 3949-3956.	5.7	523
32	Raman Spectroscopy: A Tool for Tissue Engineering. <i>Biological and Medical Physics Series</i> , 2010, , 419-437.	0.3	5
33	Reactive polyurethane carbon nanotube foams and their interactions with osteoblasts. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 65-73.	2.1	57
34	Comparative materials differences revealed in engineered bone as a function of cell-specific differentiation. <i>Nature Materials</i> , 2009, 8, 763-770.	13.3	223
35	Biomaterial-Related Approaches: Surface Structuring. , 2009, , 469-484.		8
36	Non-invasive analysis of cell cycle dynamics in single living cells with Raman micro-spectroscopy. <i>Journal of Cellular Biochemistry</i> , 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 (TiO <sub>2</sub> ) 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 bone-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