Phil Campbell

List of Publications by Year in Descending Order

62 papers	4,052 citations	31 h-index	63 g-index
66 ext. papers	4,677 ext. citations	7.4 avg, IF	5.37 L-index

#	Paper	IF	Citations
62	Engineering pro-angiogenic biomaterials via chemoselective extracellular vesicle immobilization.. *Biomaterials*, **2021**, 281, 121357	15.6	3
61	Radioiodination of extravesicular surface constituents to study the biocorona, cell trafficking and storage stability of extracellular vesicles.. *Biochimica Et Biophysica Acta - General Subjects*, **2021**, 1866, 130069	4	2
60	Cell trafficking and regulation of osteoblastogenesis by extracellular vesicle associated bone morphogenetic protein 2. *Journal of Extracellular Vesicles*, **2021**, 10, e12155	16.4	1
59	Engineering exosome polymer hybrids by atom transfer radical polymerization. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	20
58	Combinatorial mechanical gradation and growth factor biopatterning strategy for spatially controlled bone-tendon-like cell differentiation and tissue formation. *NPG Asia Materials*, **2021**, 13,	10.3	3
57	Pneumococcal Extracellular Vesicles Modulate Host Immunity. *MBio*, **2021**, 12, e0165721	7.8	3
56	3D bioprinting of collagen to rebuild components of the human heart. *Science*, **2019**, 365, 482-487	33.3	629
55	Covalent Poly(lactic acid) Nanoparticles for the Sustained Delivery of Naloxone. *ACS Applied Bio Materials*, **2019**, 2, 3418-3428	4.1	13
54	Rapid On-Demand Extracellular Vesicle Augmentation with Versatile Oligonucleotide Tethers. *ACS Nano*, **2019**, 13, 10555-10565	16.7	40
53	Reconstruction of a Calvarial Wound Complicated by Infection: Comparing the Effects of Biopatterned Bone Morphogenetic Protein 2 and Vascular Endothelial Growth Factor. *Journal of Craniofacial Surgery*, **2019**, 30, 260-264	1.2	9
52	Interleukin-10 Does Not Augment Osseous Regeneration in the Scarred Calvarial Defect Achieved with Low-Dose Biopatterned BMP2. *Plastic and Reconstructive Surgery*, **2019**, 143, 1215e-1223e	2.7	1
51	Plasma-based biomaterials for the treatment of cutaneous radiation injury. *Wound Repair and Regeneration*, **2019**, 27, 139-149	3.6	4
50	Bioprinting exosome-like extracellular vesicle microenvironments. *Bioprinting*, **2019**, 13, e00041	7	15
49	Functionally Graded, Bone- and Tendon-Like Polyurethane for Rotator Cuff Repair. *Advanced Functional Materials*, **2018**, 28, 1707107	15.6	25
48	The CARMA3-Bcl10-MALT1 Signalosome Drives NFB Activation and Promotes Aggressiveness in Angiotensin II Receptor-Positive Breast Cancer. *Cancer Research*, **2018**, 78, 1225-1240	10.1	48
47	Testing a novel nanofibre scaffold for utility in bone tissue regeneration. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 2055-2066	4.4	6
46	Crosstalk between neuropeptides SP and CGRP in regulation of BMP2-induced bone differentiation. *Connective Tissue Research*, **2018**, 59, 81-90	3.3	14

45	Crosstalk between substance P and calcitonin gene-related peptide during heterotopic ossification in murine Achilles tendon. *Journal of Orthopaedic Research*, **2018**, 36, 1444-1455	3.8	21
44	Osteoconductive Enhancement of Polyether Ether Ketone: A Mild Covalent Surface Modification Approach.. *ACS Applied Bio Materials*, **2018**, 1, 1047-1055	4.1	10
43	Perivascular extracellular matrix hydrogels mimic native matrix microarchitecture and promote angiogenesis via basic fibroblast growth factor. *Biomaterials*, **2017**, 123, 142-154	15.6	41
42	Controlled Release of Small Molecules from Elastomers for Reducing Epidermal Downgrowth in Percutaneous Devices. *ACS Biomaterials Science and Engineering*, **2016**, 2, 1464-1470	5.5	9
41	Biopatterned CTLA4/Fc Matrices Facilitate Local Immunomodulation, Engraftment, and Glucose Homeostasis After Pancreatic Islet Transplantation. *Diabetes*, **2016**, 65, 3660-3666	0.9	16
40	Transforming growth factor beta 1 augments calvarial defect healing and promotes suture regeneration. *Tissue Engineering - Part A*, **2015**, 21, 939-47	3.9	16
39	An off-the-shelf plasma-based material to prevent pacemaker pocket infection. *Biomaterials*, **2015**, 60, 1-8	15.6	11
38	Inkjet-based biopatterning of SDF-1□augments BMP-2-induced repair of critical size calvarial bone defects in mice. *Bone*, **2014**, 67, 95-103	4.7	36
37	Biologically Active Blood Plasma-Based Biomaterials as a New Paradigm for Tissue Repair Therapies. *Disruptive Science and Technology*, **2013**, 1, 127-137		3
36	Role of RhoA-specific guanine exchange factors in regulation of endomitosis in megakaryocytes. *Developmental Cell*, **2012**, 22, 573-84	10.2	65
35	Direct comparison of progenitor cells derived from adipose, muscle, and bone marrow from wild-type or craniosynostotic rabbits. *Plastic and Reconstructive Surgery*, **2011**, 127, 88-97	2.7	14
34	Bioprinting of growth factors onto aligned sub-micron fibrous scaffolds for simultaneous control of cell differentiation and alignment. *Biomaterials*, **2011**, 32, 8097-107	15.6	159
33	Engineering spatial control of multiple differentiation fates within a stem cell population. *Biomaterials*, **2011**, 32, 3413-22	15.6	87
32	Spatially directed guidance of stem cell population migration by immobilized patterns of growth factors. *Biomaterials*, **2011**, 32, 2775-85	15.6	79
31	An engineered approach to stem cell culture: automating the decision process for real-time adaptive subculture of stem cells. *PLoS ONE*, **2011**, 6, e27672	3.7	19
30	Inkjet-based biopatterning of bone morphogenetic protein-2 to spatially control calvarial bone formation. *Tissue Engineering - Part A*, **2010**, 16, 1749-59	3.9	94
29	Testing the critical size in calvarial bone defects: revisiting the concept of a critical-size defect. *Plastic and Reconstructive Surgery*, **2010**, 125, 1685-1692	2.7	150
28	Inkjet printing of growth factor concentration gradients and combinatorial arrays immobilized on biologically-relevant substrates. *Combinatorial Chemistry and High Throughput Screening*, **2009**, 12, 604-18	1.3	64

27	Control of cell behavior by aligned micro/nanofibrous biomaterial scaffolds fabricated by spinneret-based tunable engineered parameters (STEP) technique. *Small*, **2008**, 4, 1153-9	11	54
26	Cell population tracking and lineage construction with spatiotemporal context. *Medical Image Analysis*, **2008**, 12, 546-66	15.4	256
25	Microenvironments engineered by inkjet bioprinting spatially direct adult stem cells toward muscle- and bone-like subpopulations. *Stem Cells*, **2008**, 26, 127-34	5.8	292
24	Tissue engineering with the aid of inkjet printers. *Expert Opinion on Biological Therapy*, **2007**, 7, 1123-7	5.4	157
23	Diffusion of insulin-like growth factor-I and ribonuclease through fibrin gels. *Biophysical Journal*, **2007**, 92, 4444-50	2.9	46
22	The use of quantum dots for analysis of chick CAM vasculature. *Microvascular Research*, **2007**, 73, 75-83	3.7	59
21	Improved growth factor directed vascularization into fibrin constructs through inclusion of additional extracellular molecules. *Microvascular Research*, **2007**, 73, 84-94	3.7	23
20	Immobilization of aprotinin to fibrinogen as a novel method for controlling degradation of fibrin gels. *Bioconjugate Chemistry*, **2007**, 18, 695-701	6.3	29
19	Extracellular matrix-mediated signaling by dentin phosphophoryn involves activation of the Smad pathway independent of bone morphogenetic protein. *Journal of Biological Chemistry*, **2006**, 281, 5341-7	5.4	55
18	Dose-dependent cell growth in response to concentration modulated patterns of FGF-2 printed on fibrin. *Biomaterials*, **2006**, 27, 2213-21	15.6	95
17	Engineered spatial patterns of FGF-2 immobilized on fibrin direct cell organization. *Biomaterials*, **2005**, 26, 6762-70	15.6	134
16	Osx transcriptional regulation is mediated by additional pathways to BMP2/Smad signaling. *Journal of Cellular Biochemistry*, **2005**, 95, 518-28	4.7	126
15	Pregnancy-associated plasma protein-a is involved in matrix mineralization of human adult mesenchymal stem cells and angiogenesis in the chick chorioallontoic membrane. *Endocrinology*, **2005**, 146, 3765-72	4.8	22
14	Insulin-like growth factor-I induces early osteoblast gene expression in human mesenchymal stem cells. *Stem Cells and Development*, **2005**, 14, 621-31	4.4	91
13	BMP-2 and insulin-like growth factor-I mediate Osterix (Osx) expression in human mesenchymal stem cells via the MAPK and protein kinase D signaling pathways. *Journal of Biological Chemistry*, **2005**, 280, 31353-9	5.4	248
12	Phosphophoryn regulates the gene expression and differentiation of NIH3T3, MC3T3-E1, and human mesenchymal stem cells via the integrin/MAPK signaling pathway. *Journal of Biological Chemistry*, **2004**, 279, 53323-30	5.4	123
11	The use of biological agents toaccelerate recovery from rotator cuff repair: Path to clinical application. *Operative Techniques in Sports Medicine*, **2002**, 10, 58-63	0.4	6
10	The influence of polymer blend composition on the degradation of polymer/hydroxyapatite biomaterials. *Journal of Materials Science: Materials in Medicine*, **2001**, 12, 673-7	4.5	45

9	Insulin-like growth factor-binding protein-3 binds fibrinogen and fibrin. *Journal of Biological Chemistry*, **1999**, 274, 30215-21	5.4	72
8	Mechanisms of growth stimulation by suramin in non-small-cell lung cancer cell lines. *Cancer Chemotherapy and Pharmacology*, **1999**, 43, 341-7	3.5	12
7	Insulin-like growth factor I accelerates functional recovery from Achilles tendon injury in a rat model. *American Journal of Sports Medicine*, **1999**, 27, 363-9	6.8	169
6	Binding and activation of plasminogen on the surface of osteosarcoma cells. *Journal of Cellular Physiology*, **1994**, 159, 1-10	7	19
5	Dependence of induction of osteocalcin gene expression on the presence of wild-type p53 in a murine osteosarcoma cell line. *Molecular Carcinogenesis*, **1993**, 8, 299-305	5	16
4	Localization of plasmin activity on osteosarcoma cells: cell surface proteolysis of insulin-like growth factor binding proteins. *Growth Regulation*, **1993**, 3, 95-8		6
3	Insulin-like growth factor binding protein (IGFBP) inhibits IGF action on human osteosarcoma cells. *Journal of Cellular Physiology*, **1991**, 149, 293-300	7	55
2	Secretion of insulin-like growth factor-I (IGF-I) and IGF-binding proteins from bovine mammary tissue in vitro. *Journal of Endocrinology*, **1991**, 128, 219-28	4.7	57
1	Insulin-like growth factor-I and its association with binding proteins in bovine milk. *Journal of Endocrinology*, **1989**, 120, 21-9	4.7	52