

Eric Farrell

List of Publications by Year in descending order

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papers

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citations

304743

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citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Hypoxia in Bone Marrowâ€‘Derived Mesenchymal Stem Cells: Considerations for Regenerative Medicine Approaches. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 159-168.	4.8	251
2	A Collagen-glycosaminoglycan Scaffold Supports Adult Rat Mesenchymal Stem Cell Differentiation Along Osteogenic and Chondrogenic Routes. <i>Tissue Engineering</i> , 2006, 12, 459-468.	4.6	209
3	In-vivo generation of bone via endochondral ossification by in-vitro chondrogenic priming of adult human and rat mesenchymal stem cells. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 31.	1.9	194
4	Selective laser melting porous metallic implants with immobilized silver nanoparticles kill and prevent biofilm formation by methicillin-resistant <i>Staphylococcus aureus</i> . <i>Biomaterials</i> , 2017, 140, 1-15.	11.4	170
5	Effects of iron oxide incorporation for long term cell tracking on MSC differentiation in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 1076-1081.	2.1	129
6	Chondrogenic Priming of Human Bone Marrow Stromal Cells: A Better Route to Bone Repair?. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 285-295.	2.1	121
7	Adult Human Bone Marrowâ€‘ and Adipose Tissueâ€‘Derived Stromal Cells Support the Formation of Prevascular-like Structures from Endothelial Cells <i><i>In Vitro</i></i> . <i>Tissue Engineering - Part A</i> , 2010, 16, 101-114.	3.1	121
8	Recapitulating endochondral ossification: a promising route to <i><i>in vivo</i></i> bone regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 889-902.	2.7	112
9	Modulating Endochondral Ossification of Multipotent Stromal Cells for Bone Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 385-395.	4.8	82
10	Gene expression by marrow stromal cells in a porous collagenâ€‘glycosaminoglycan scaffold is affected by pore size and mechanical stimulation. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 3455-3463.	3.6	79
11	Fibroblast Growth Factor Receptors in <i><i>In Vitro</i></i> and <i><i>In Vivo</i></i> Chondrogenesis: Relating Tissue Engineering Using Adult Mesenchymal Stem Cells to Embryonic Development. <i>Tissue Engineering - Part A</i> , 2010, 16, 545-556.	3.1	75
12	Clinically Translatable Cell Tracking and Quantification by MRI in Cartilage Repair Using Superparamagnetic Iron Oxides. <i>PLoS ONE</i> , 2011, 6, e17001.	2.5	72
13	Prevascular Structures Promote Vascularization in Engineered Human Adipose Tissue Constructs upon Implantation. <i>Cell Transplantation</i> , 2010, 19, 1007-1020.	2.5	71
14	Towards in vitro vascularisation of collagen-GAG scaffolds. , 2011, 21, 15-30.		70
15	Calcifications in atherosclerotic plaques and impact on plaque biomechanics. <i>Journal of Biomechanics</i> , 2019, 87, 1-12.	2.1	61
16	Immune Modulation to Improve Tissue Engineering Outcomes for Cartilage Repair in the Osteoarthritic Joint. <i>Tissue Engineering - Part B: Reviews</i> , 2015, 21, 55-66.	4.8	50
17	Animal Models of Bone Loss in Inflammatory Arthritis: from Cytokines in the Bench to Novel Treatments for Bone Loss in the Bedsideâ€‘a Comprehensive Review. <i>Clinical Reviews in Allergy and Immunology</i> , 2016, 51, 27-47.	6.5	50
18	Differentiation of Vascular Stem Cells Contributes to Ectopic Calcification of Atherosclerotic Plaque. <i>Stem Cells</i> , 2016, 34, 913-923.	3.2	38

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19	Endothelium-derived stromal cells contribute to hematopoietic bone marrow niche formation. <i>Cell Stem Cell</i> , 2021, 28, 653-670.e11.	11.1	31
20	Isolating Pediatric Mesenchymal Stem Cells with Enhanced Expansion and Differentiation Capabilities. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 313-321.	2.1	26
21	NELL-1, HMGB1, and CCN2 Enhance Migration and Vasculogenesis, But Not Osteogenic Differentiation Compared to BMP2. <i>Tissue Engineering - Part A</i> , 2018, 24, 207-218.	3.1	26
22	Evaluation of early healing events around mesenchymal stem cell-seeded collagen glycosaminoglycan scaffold. An experimental study in Wistar rats. <i>Oral and Maxillofacial Surgery</i> , 2011, 15, 31-39.	1.3	25
23	vIL-10-overexpressing human MSCs modulate naïve and activated T lymphocytes following induction of collagenase-induced osteoarthritis. <i>Stem Cell Research and Therapy</i> , 2016, 7, 74.	5.5	25
24	COMP and TSP-4: Functional Roles in Articular Cartilage and Relevance in Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2242.	4.1	25
25	The Immune Response to Allogeneic Differentiated Mesenchymal Stem Cells in the Context of Bone Tissue Engineering. <i>Tissue Engineering - Part B: Reviews</i> , 2018, 24, 75-83.	4.8	24
26	Epidermal growth factor receptor (EGFR) density may not be the only determinant for the efficacy of EGFR-targeted photoimmunotherapy in human head and neck cancer cell lines. <i>Lasers in Surgery and Medicine</i> , 2018, 50, 513-522.	2.1	19
27	Pediatric Mesenchymal Stem Cells Exhibit Immunomodulatory Properties Toward Allogeneic T and B Cells Under Inflammatory Conditions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 142.	4.1	19
28	Allogeneic chondrogenically differentiated human mesenchymal stromal cells do not induce immunogenic responses from T lymphocytes in vitro. <i>Cytotherapy</i> , 2016, 18, 957-969.	0.7	16
29	Follistatin Effects in Migration, Vascularization, and Osteogenesis in vitro and Bone Repair in vivo. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 38.	4.1	16
30	Novel In Situ Gelling Hydrogels Loaded with Recombinant Collagen Peptide Microspheres as a Slow Release System Induce Ectopic Bone Formation. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800507.	7.6	15
31	Angiogenic Potential of Tissue Engineered Cartilage From Human Mesenchymal Stem Cells Is Modulated by Indian Hedgehog and Serpin E1. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 327.	4.1	12
32	Bio-inspired polymeric iron-doped hydroxyapatite microspheres as a tunable carrier of rhBMP-2. <i>Materials Science and Engineering C</i> , 2021, 119, 111410.	7.3	12
33	Endochondral Ossification. , 2018, , 125-148.		8
34	Allogeneic Chondrogenic Mesenchymal Stromal Cells Alter Helper T Cell Subsets in CD4+ Memory T Cells. <i>Tissue Engineering - Part A</i> , 2020, 26, 490-502.	3.1	8
35	Data on the surface morphology of additively manufactured Ti-6Al-4V implants during processing by plasma electrolytic oxidation. <i>Data in Brief</i> , 2017, 13, 385-389.	1.0	7
36	Enamel Matrix Derivative has No Effect on the Chondrogenic Differentiation of Mesenchymal Stem Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 29.	4.1	6

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37	Activin and Nodal Are Not Suitable Alternatives to TGF β ² for Chondrogenic Differentiation of Mesenchymal Stem Cells. <i>Cartilage</i> , 2017, 8, 432-438.	2.7	5
38	Cartilage Oligomeric Matrix Protein-Derived Peptides Secreted by Cartilage Do Not Induce Responses Commonly Observed during Osteoarthritis. <i>Cartilage</i> , 2020, , 194760352096117.	2.7	4
39	The Release of Avascular Cartilage Demonstrates Inherent Pro-Angiogenic Properties <i>In Vitro</i> and <i>In Vivo</i> . <i>Cartilage</i> , 2021, 13, 559S-570S.	2.7	4
40	Chondrogenic Priming of Human Bone Marrow Stromal Cells: A Better Route to Bone Repair?. <i>Tissue Engineering - Part A</i> , 0, , 110306231138043.	3.1	3
41	Site-Directed Immobilization of an Engineered Bone Morphogenetic Protein 2 (BMP2) Variant to Collagen-Based Microspheres Induces Bone Formation <i>In Vivo</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 3928.	4.1	3
42	Editorial: Understanding and Modulating Bone and Cartilage Cell Fate for Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 8.	4.1	1
43	Chondrogenically Primed Human Mesenchymal Stem Cells Persist and Undergo Early Stages of Endochondral Ossification in an Immunocompetent Xenogeneic Model. <i>Frontiers in Immunology</i> , 2021, 12, 715267.	4.8	1
44	Scaffold Considerations for Osteochondral Tissue Engineering. , 2012, , 779-801.		0