

Samuel Herberg

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,509
citations

331538

21
h-index

345118

36
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53
all docs

53
docs citations

53
times ranked

2372
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
2	Extracellular Matrix Stiffness and TGF β 2 Regulate YAP/TAZ Activity in Human Trabecular Meshwork Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 844342.	1.8	25
3	TGF β 2 Regulates Human Trabecular Meshwork Cell Contractility via ERK and ROCK Pathways with Distinct Signaling Crosstalk Dependent on the Culture Substrate. <i>Current Eye Research</i> , 2022, 47, 1165-1178.	0.7	10
4	Engineering a 3D hydrogel system to study optic nerve head astrocyte morphology and behavior. <i>Experimental Eye Research</i> , 2022, 220, 109102.	1.2	3
5	A tissue-engineered human trabecular meshwork hydrogel for advanced glaucoma disease modeling. <i>Experimental Eye Research</i> , 2021, 205, 108472.	1.2	34
6	Age-associated changes in microRNAs affect the differentiation potential of human mesenchymal stem cells: Novel role of miR-29b-1-5p expression. <i>Bone</i> , 2021, 153, 116154.	1.4	9
7	Scaffold-free human mesenchymal stem cell construct geometry regulates long bone regeneration. <i>Communications Biology</i> , 2021, 4, 89.	2.0	9
8	Mechanosensitive channel inhibition attenuates TGF β 2-induced actin cytoskeletal remodeling and reactivity in mouse optic nerve head astrocytes. <i>Experimental Eye Research</i> , 2021, 212, 108791.	1.2	10
9	Simulating the human colorectal cancer microenvironment in 3D tumor-stroma co-cultures in vitro and in vivo. <i>Scientific Reports</i> , 2020, 10, 9832.	1.6	34
10	Deconstructed Microfluidic Bone Marrow On-Chip to Study Normal and Malignant Hemopoietic Cell-Niche Interactions. <i>Small</i> , 2019, 15, e1902971.	5.2	58
11	Combinatorial morphogenetic and mechanical cues to mimic bone development for defect repair. <i>Science Advances</i> , 2019, 5, eaax2476.	4.7	45
12	Recapitulating bone development through engineered mesenchymal condensations and mechanical cues for tissue regeneration. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	126
13	Pleural Effusion Aspirate for Use in 3D Lung Cancer Modeling and Chemotherapy Screening. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1937-1943.	2.6	58
14	What doesn't kill you makes you stranger: Dipeptidyl peptidase-4 (CD26) proteolysis differentially modulates the activity of many peptide hormones and cytokines generating novel cryptic bioactive ligands. , 2019, 198, 90-108.		24
15	Biofabricated tumor microenvironments for studying colorectal cancer in vitro and in vivo.. <i>Journal of Clinical Oncology</i> , 2019, 37, e14689-e14689.	0.8	0
16	A Modular Strategy to Engineer Complex Tissues and Organs. <i>Advanced Science</i> , 2018, 5, 1700402.	5.6	34
17	High-density human mesenchymal stem cell rings with spatiotemporally-controlled morphogen presentation as building blocks for engineering bone diaphyseal tissue. <i>Nanotheranostics</i> , 2018, 2, 128-143.	2.7	8
18	Selective serotonin re-uptake inhibitor sertraline inhibits bone healing in a calvarial defect model. <i>International Journal of Oral Science</i> , 2018, 10, 25.	3.6	20

#	ARTICLE	IF	CITATIONS
19	Tissue Engineering: A Modular Strategy to Engineer Complex Tissues and Organs (Adv. Sci. 5/2018). <i>Advanced Science</i> , 2018, 5, 1870028.	5.6	2
20	RNA interfering molecule delivery from in situ forming biodegradable hydrogels for enhancement of bone formation in rat calvarial bone defects. <i>Acta Biomaterialia</i> , 2018, 75, 105-114.	4.1	81
21	Mesenchymal stem cell expression of SDF-1 β synergizes with BMP-2 to augment cell-mediated healing of critical-sized mouse calvarial defects. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1806-1819.	1.3	23
22	Endochondral Ossification in Critical-Sized Bone Defects via Readily Implantable Scaffold-Free Stem Cell Constructs. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1644-1659.	1.6	53
23	Controlled Dual Growth Factor Delivery From Microparticles Incorporated Within Human Bone Marrow-Derived Mesenchymal Stem Cell Aggregates for Enhanced Bone Tissue Engineering via Endochondral Ossification. <i>Stem Cells Translational Medicine</i> , 2016, 5, 206-217.	1.6	80
24	Mesenchymal stem cell expression of stromal cell-derived factor-1 β augments bone formation in a model of local regenerative therapy. <i>Journal of Orthopaedic Research</i> , 2015, 33, 174-184.	1.2	14
25	Caloric restriction and the adipokine leptin alter the SDF-1 signaling axis in bone marrow and in bone marrow derived mesenchymal stem cells. <i>Molecular and Cellular Endocrinology</i> , 2015, 410, 64-72.	1.6	12
26	The adipokine leptin mediates muscle- and liver-derived IGF-1 in aged mice. <i>Experimental Gerontology</i> , 2015, 70, 92-96.	1.2	29
27	Total Body Irradiation Is Permissive for Mesenchymal Stem Cell-Mediated New Bone Formation Following Local Transplantation. <i>Tissue Engineering - Part A</i> , 2014, 20, 3212-3227.	1.6	16
28	Low-Dose Bone Morphogenetic Protein-2/Stromal Cell-Derived Factor-1 β Cotherapy Induces Bone Regeneration in Critical-Size Rat Calvarial Defects. <i>Tissue Engineering - Part A</i> , 2014, 20, 1444-1453.	1.6	58
29	Inkjet-based biopatterning of SDF-1 β augments BMP-2-induced repair of critical size calvarial bone defects in mice. <i>Bone</i> , 2014, 67, 95-103.	1.4	42
30	Stromal Cell-Derived Factor-1 β Potentiates Bone Morphogenetic Protein-2-Stimulated Osteoinduction of Genetically Engineered Bone Marrow-Derived Mesenchymal Stem Cells In Vitro. <i>Tissue Engineering - Part A</i> , 2013, 19, 1-13.	1.6	39
31	Effects of the activin "myostatin" follistatin system on aging bone and muscle progenitor cells. <i>Experimental Gerontology</i> , 2013, 48, 290-297.	1.2	60
32	Stromal Cell-Derived Factor-1 β Mediates Cell Survival through Enhancing Autophagy in Bone Marrow-Derived Mesenchymal Stem Cells. <i>PLoS ONE</i> , 2013, 8, e58207.	1.1	67
33	Induction of Autophagy with rapamycin overcomes Bcl-2's deleterious effects on stroke outcome. <i>FASEB Journal</i> , 2013, 27, lb514.	0.2	1
34	Two birds with one bone?. <i>IBMS BoneKEy</i> , 2012, 9, .	0.1	3
35	Remote Ischemic Preconditioning Is Effective Alone and in Combination With Intravenous Tissue-Type Plasminogen Activator in Murine Model of Embolic Stroke. <i>Stroke</i> , 2012, 43, 2794-2799.	1.0	128
36	Role of myostatin (GDF-8) signaling in the human anterior cruciate ligament. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1113-1118.	1.2	25

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37	Evaluation of an injectable rhGDFâ€5/PLGA construct for minimally invasive periodontal regenerative procedures: a histological study in the dog. <i>Journal of Clinical Periodontology</i> , 2010, 37, 390-397.	2.3	51
38	The adipokine leptin increases skeletal muscle mass and significantly alters skeletal muscle miRNA expression profile in aged mice. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 379-383.	1.0	141
39	Abstract 4846: IGF1 attenuates autophagic catabolism and apoptotic cell death in hormonally treated breast cancer cells via a MEK1 pathway. , 2010, , .		0
40	Development of an injectable composite as a carrier for growth factorâ€enhanced periodontal regeneration. <i>Journal of Clinical Periodontology</i> , 2008, 35, 976-984.	2.3	37
41	Effects of Netarsudil-Family Rho Kinase Inhibitors on Human Trabecular Meshwork Cell Contractility and Actin Remodeling Using a Bioengineered ECM Hydrogel. <i>Frontiers in Ophthalmology</i> , 0, 2, .	0.2	5