

Benjamin D Cosgrove

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,385
citations

361388

20
h-index

526264

27
g-index

38
all docs

38
docs citations

38
times ranked

3779
citing authors

#	ARTICLE	IF	CITATIONS
1	Rejuvenation of the muscle stem cell population restores strength to injured aged muscles. <i>Nature Medicine</i> , 2014, 20, 255-264.	30.7	545
2	The central role of muscle stem cells in regenerative failure with aging. <i>Nature Medicine</i> , 2015, 21, 854-862.	30.7	340
3	Single-Cell Analysis of the Muscle Stem Cell Hierarchy Identifies Heterotypic Communication Signals Involved in Skeletal Muscle Regeneration. <i>Cell Reports</i> , 2020, 30, 3583-3595.e5.	6.4	227
4	Synergistic drug-cytokine induction of hepatocellular death as an in vitro approach for the study of inflammation-associated idiosyncratic drug hepatotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2009, 237, 317-330.	2.8	127
5	A reference single-cell transcriptomic atlas of human skeletal muscle tissue reveals bifurcated muscle stem cell populations. <i>Skeletal Muscle</i> , 2020, 10, 19.	4.2	121
6	A home away from home: Challenges and opportunities in engineering in vitro muscle satellite cell niches. <i>Differentiation</i> , 2009, 78, 185-194.	1.9	115
7	High-resolution myogenic lineage mapping by single-cell mass cytometry. <i>Nature Cell Biology</i> , 2017, 19, 558-567.	10.3	108
8	Networks Inferred from Biochemical Data Reveal Profound Differences in Toll-like Receptor and Inflammatory Signaling between Normal and Transformed Hepatocytes. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1849-1865.	3.8	95
9	Large-scale integration of single-cell transcriptomic data captures transitional progenitor states in mouse skeletal muscle regeneration. <i>Communications Biology</i> , 2021, 4, 1280.	4.4	83
10	Injectable biomimetic liquid crystalline scaffolds enhance muscle stem cell transplantation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7919-E7928.	7.1	81
11	An inducible autocrine cascade regulates rat hepatocyte proliferation and apoptosis responses to tumor necrosis factor- α . <i>Hepatology</i> , 2008, 48, 276-288.	7.3	69
12	Microfluidic Concentration-Enhanced Cellular Kinase Activity Assay. <i>Journal of the American Chemical Society</i> , 2009, 131, 10340-10341.	13.7	68
13	Single-cell transcriptomic analysis identifies extensive heterogeneity in the cellular composition of mouse Achilles tendons. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C885-C894.	4.6	67
14	Cytokine-associated drug toxicity in human hepatocytes is associated with signaling network dysregulation. <i>Molecular BioSystems</i> , 2010, 6, 1195.	2.9	55
15	A defined N6-methyladenosine (m6A) profile conferred by METTL3 regulates muscle stem cell/myoblast state transitions. <i>Cell Death Discovery</i> , 2020, 6, 95.	4.7	41
16	Model Convolution: A Computational Approach to Digital Image Interpretation. <i>Cellular and Molecular Bioengineering</i> , 2010, 3, 163-170.	2.1	32
17	Extracellular serine and glycine are required for mouse and human skeletal muscle stem and progenitor cell function. <i>Molecular Metabolism</i> , 2021, 43, 101106.	6.5	31
18	How Biophysical Forces Regulate Human B Cell Lymphomas. <i>Cell Reports</i> , 2018, 23, 499-511.	6.4	30

#	ARTICLE	IF	CITATIONS
19	Cells expressing PAX8 are the main source of homeostatic regeneration of adult endometrial epithelium and give rise to serous endometrial carcinoma. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	2.4	24
20	High-resolution single-cell transcriptomics reveals heterogeneity of self-renewing hair follicle stem cells. <i>Experimental Dermatology</i> , 2021, 30, 457-471.	2.9	24
21	Fusing Tissue Engineering and Systems Biology Toward Fulfilling Their Promise. <i>Cellular and Molecular Bioengineering</i> , 2008, 1, 33-41.	2.1	21
22	Three-kinase inhibitor combination recreates multipathway effects of a geldanamycin analogue on hepatocellular carcinoma cell death. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 2183-2192.	4.1	18
23	Isolation, Culture, Characterization, and Differentiation of Human Muscle Progenitor Cells from the Skeletal Muscle Biopsy Procedure. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	11
24	A multipathway phosphoproteomic signaling network model of idiosyncratic drug- and inflammatory cytokine-induced toxicity in human hepatocytes. , 2009, 2009, 5452-5.		8
25	A Tead1-Apelin axis directs paracrine communication from myogenic to endothelial cells in skeletal muscle. <i>IScience</i> , 2022, 25, 104589.	4.1	6
26	Data-Modeling Identifies Conflicting Signaling Axes Governing Myoblast Proliferation and Differentiation Responses to Diverse Ligand Stimuli. <i>Cellular and Molecular Bioengineering</i> , 2017, 10, 433-450.	2.1	4
27	Microcontact-Printed Hydrogel Microwell Arrays for Clonal Muscle Stem Cell Cultures. <i>Methods in Molecular Biology</i> , 2017, 1668, 75-92.	0.9	4
28	Skeletal Muscle Stem Cells. , 2011, , 347-363.		0