

Benjamin D Cosgrove

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

1,617
citations

17
h-index

38
g-index

38
ext. papers

2,083
ext. citations

10
avg, IF

4.77
L-index

#	Paper	IF	Citations
31	Rejuvenation of the muscle stem cell population restores strength to injured aged muscles. <i>Nature Medicine</i> , 2014 , 20, 255-64	50.5	439
30	The central role of muscle stem cells in regenerative failure with aging. <i>Nature Medicine</i> , 2015 , 21, 854-62	30.5	247
29	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, 317-30	4.6	115
28	A home away from home: challenges and opportunities in engineering in vitro muscle satellite cell niches. <i>Differentiation</i> , 2009 , 78, 185-94	3.5	98
27	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, 1849-65	7.6	92
26	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	10.6	84
25	High-resolution myogenic lineage mapping by single-cell mass cytometry. <i>Nature Cell Biology</i> , 2017 , 19, 558-567	23.4	79
24	An inducible autocrine cascade regulates rat hepatocyte proliferation and apoptosis responses to tumor necrosis factor-alpha. <i>Hepatology</i> , 2008 , 48, 276-88	11.2	63
23	Microfluidic concentration-enhanced cellular kinase activity assay. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10340-1	16.4	62
22	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	11.5	59
21	Cytokine-associated drug toxicity in human hepatocytes is associated with signaling network dysregulation. <i>Molecular BioSystems</i> , 2010 , 6, 1195-206		52
20	A reference single-cell transcriptomic atlas of human skeletal muscle tissue reveals bifurcated muscle stem cell populations. <i>Skeletal Muscle</i> , 2020 , 10, 19	5.1	39
19	Model Convolution: A Computational Approach to Digital Image Interpretation. <i>Cellular and Molecular Bioengineering</i> , 2010 , 3, 163-170	3.9	24
18	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	5.4	22
17	A defined N6-methyladenosine (mA) profile conferred by METTL3 regulates muscle stem cell/myoblast state transitions. <i>Cell Death Discovery</i> , 2020 , 6, 95	6.9	21
16	How Biophysical Forces Regulate Human B Cell Lymphomas. <i>Cell Reports</i> , 2018 , 23, 499-511	10.6	19
15	Fusing Tissue Engineering and Systems Biology Toward Fulfilling Their Promise. <i>Cellular and Molecular Bioengineering</i> , 2008 , 1, 33-41	3.9	18

14	Three-kinase inhibitor combination recreates multipathway effects of a geldanamycin analogue on hepatocellular carcinoma cell death. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 2183-92	6.1	15
13	Cells expressing PAX8 are the main source of homeostatic regeneration of adult mouse endometrial epithelium and give rise to serous endometrial carcinoma. <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	11
12	Extracellular serine and glycine are required for mouse and human skeletal muscle stem and progenitor cell function. <i>Molecular Metabolism</i> , 2021 , 43, 101106	8.8	10
11	Large-scale integration of single-cell transcriptomic data captures transitional progenitor states in mouse skeletal muscle regeneration. <i>Communications Biology</i> , 2021 , 4, 1280	6.7	9
10	Isolation, Culture, Characterization, and Differentiation of Human Muscle Progenitor Cells from the Skeletal Muscle Biopsy Procedure. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	8
9	Single-cell Transcriptomics Identify Extensive Heterogeneity in the Cellular Composition of Mouse Achilles Tendons		8
8	A multipathway phosphoproteomic signaling network model of idiosyncratic drug- and inflammatory cytokine-induced toxicity in human hepatocytes. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 5452-5	0.9	5
7	Microcontact-Printed Hydrogel Microwell Arrays for Clonal Muscle Stem Cell Cultures. <i>Methods in Molecular Biology</i> , 2017 , 1668, 75-92	1.4	4
6	High-resolution single-cell transcriptomics reveals heterogeneity of self-renewing hair follicle stem cells. <i>Experimental Dermatology</i> , 2021 , 30, 457-471	4	4
5	Single-cell analysis of the muscle stem cell hierarchy identifies heterotypic communication signals involved in skeletal muscle regeneration		3
4	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	3.9	2
3	A reference single-cell transcriptomic atlas of human skeletal muscle tissue reveals bifurcated muscle stem cell populations		2
2	Strength in numbers: Large-scale integration of single-cell transcriptomic data reveals rare, transient muscle progenitor cell states in muscle regeneration		1
1	Skeletal Muscle Stem Cells 2011 , 347-363		