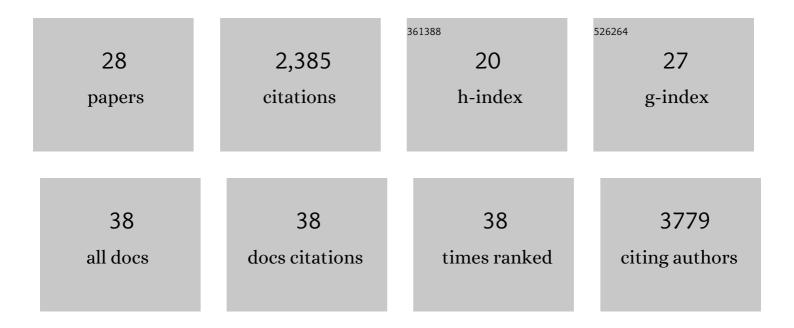
Benjamin D Cosgrove

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Rejuvenation of the muscle stem cell population restores strength to injured aged muscles. Nature Medicine, 2014, 20, 255-264.	30.7	545
2	The central role of muscle stem cells in regenerative failure with aging. Nature Medicine, 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. Cell Reports, 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. Toxicology and Applied Pharmacology, 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. Skeletal Muscle, 2020, 10, 19.	4.2	121
6	A home away from home: Challenges and opportunities in engineering in vitro muscle satellite cell niches. Differentiation, 2009, 78, 185-194.	1.9	115
7	High-resolution myogenic lineage mapping by single-cell mass cytometry. Nature Cell Biology, 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. Molecular and Cellular Proteomics, 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. Communications Biology, 2021, 4, 1280.	4.4	83
10	Injectable biomimetic liquid crystalline scaffolds enhance muscle stem cell transplantation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7919-E7928.	7.1	81
11	An inducible autocrine cascade regulates rat hepatocyte proliferation and apoptosis responses to tumor necrosis factor-1±. Hepatology, 2008, 48, 276-288.	7.3	69
12	Microfluidic Concentration-Enhanced Cellular Kinase Activity Assay. Journal of the American Chemical Society, 2009, 131, 10340-10341.	13.7	68
13	Single-cell transcriptomic analysis identifies extensive heterogeneity in the cellular composition of mouse Achilles tendons. American Journal of Physiology - Cell Physiology, 2020, 319, C885-C894.	4.6	67
14	Cytokine-associated drug toxicity in human hepatocytes is associated with signaling network dysregulation. Molecular BioSystems, 2010, 6, 1195.	2.9	55
15	A defined N6-methyladenosine (m6A) profile conferred by METTL3 regulates muscle stem cell/myoblast state transitions. Cell Death Discovery, 2020, 6, 95.	4.7	41
16	Model Convolution: A Computational Approach to Digital Image Interpretation. Cellular and Molecular Bioengineering, 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. Molecular Metabolism, 2021, 43, 101106.	6.5	31
18	How Biophysical Forces Regulate Human B Cell Lymphomas. Cell Reports, 2018, 23, 499-511.	6.4	30

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#	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. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	24
20	Highâ€resolution singleâ€cell transcriptomics reveals heterogeneity of selfâ€renewing hair follicle stem cells. Experimental Dermatology, 2021, 30, 457-471.	2.9	24
21	Fusing Tissue Engineering and Systems Biology Toward Fulfilling Their Promise. Cellular and Molecular Bioengineering, 2008, 1, 33-41.	2.1	21
22	Three-kinase inhibitor combination recreates multipathway effects of a geldanamycin analogue on hepatocellular carcinoma cell death. Molecular Cancer Therapeutics, 2009, 8, 2183-2192.	4.1	18
23	Isolation, Culture, Characterization, and Differentiation of Human Muscle Progenitor Cells from the Skeletal Muscle Biopsy Procedure. Journal of Visualized Experiments, 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. IScience, 2022, 25, 104589.	4.1	6
26	Data-Modeling Identifies Conflicting Signaling Axes Governing Myoblast Proliferation and Differentiation Responses to Diverse Ligand Stimuli. Cellular and Molecular Bioengineering, 2017, 10, 433-450.	2.1	4
27	Microcontact-Printed Hydrogel Microwell Arrays for Clonal Muscle Stem Cell Cultures. Methods in Molecular Biology, 2017, 1668, 75-92.	0.9	4

28 Skeletal Muscle Stem Cells. , 2011, , 347-363.