Tom H Cheung

List of Publications by Year
in descending order

33 papers	4,852 citations	236925 25 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	8674 citing authors

#	Article	IF	Citations
1	CPEB1 directs muscle stem cell activation by reprogramming the translational landscape. Nature Communications, 2022, 13, 947.	12.8	16
2	Stem cell quiescence: the challenging path to activation. Development (Cambridge), 2021, 148, .	2.5	54
3	Nuclear receptors NHR-49 and NHR-79 promote peroxisome proliferation to compensate for aldehyde dehydrogenase deficiency in C. elegans. PLoS Genetics, 2021, 17, e1009635.	3.5	10
4	Deciphering the chromatin organization and dynamics for muscle stem cell function. Current Opinion in Cell Biology, 2021, 73, 124-132.	5.4	5
5	Protocol for Isolation and Characterization of In Situ Fixed Quiescent Muscle Stem Cells. STAR Protocols, 2020, 1, 100128.	1.2	10
6	A long noncoding RNA, <i>LncMyoD</i> , modulates chromatin accessibility to regulate muscle stem cell myogenic lineage progression. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32464-32475.	7.1	32
7	Dek Modulates Global Intron Retention during Muscle Stem Cells Quiescence Exit. Developmental Cell, 2020, 53, 661-676.e6.	7.0	72
8	IL-33-PU.1 Transcriptome Reprogramming Drives Functional State Transition and Clearance Activity of Microglia in Alzheimerâ€™s Disease. Cell Reports, 2020, 31, 107530.	6.4	65
9	<scp>YY</scp> 1 regulates skeletal muscle regeneration through controlling metabolic reprogramming of satellite cells. EMBO Journal, 2019, 38, .	7.8	69
10	High-Dimensional Single-Cell Cartography Reveals Novel Skeletal Muscle-Resident Cell Populations. Molecular Cell, 2019, 74, 609-621.e6.	9.7	271
11	Hormones induce the formation of luminal-derived basal cells in the mammary gland. Cell Research, 2019, 29, 206-220.	12.0	14
12	p110Î± of PI3K is necessary and sufficient for quiescence exit in adult muscle satellite cells. EMBO Journal, 2018, 37, .	7.8	33
13	Molecular Regulation of Cellular Quiescence: A Perspective from Adult Stem Cells and Its Niches. Methods in Molecular Biology, 2018, 1686, 1-25.	0.9	37
14	Impaired Notch Signaling Leads to a Decrease in p53 Activity and Mitotic Catastrophe in Aged Muscle Stem Cells. Cell Stem Cell, 2018, 23, 544-556.e4.	11.1	107
15	Large-Scale Expansion of Human iPSC-Derived Skeletal Muscle Cells for Disease Modeling and Cell-Based Therapeutic Strategies. Stem Cell Reports, 2018, 10, 1975-1990.	4.8	81
16	A Molecular Switch Regulating Cell Fate Choice between Muscle Progenitor Cells and Brown Adipocytes. Developmental Cell, 2017, 41, 382-391.e5.	7.0	48
17	Compact fs ytterbium fiber laser at 1010 nm for biomedical applications. Biomedical Optics Express, 2017, 8, 4921.	2.9	28
18	Anemoside A3 ameliorates experimental autoimmune encephalomyelitis by modulating T helper 17 cell response. PLoS ONE, 2017, 12, e0182069.	2.5	15

#	Article	IF	Citations
19	IL-33 ameliorates Alzheimerâ€™s disease-like pathology and cognitive decline. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2705-13.	7.1	247
20	STAT3 Regulates Self-Renewal of Adult Muscle Satellite Cells during Injury-Induced Muscle Regeneration. Cell Reports, 2016, 16, 2102-2115.	6.4	50
21	Intronic polyadenylation of PDGFRÎ± in resident stem cells attenuates muscle fibrosis. Nature, 2016, 540, 276-279.	27.8	93
22	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. Cell, 2016, 167, 1145-1149.	28.9	404
23	Isolation of skeletal muscle stem cells by fluorescence-activated cell sorting. Nature Protocols, 2015, 10, 1612-1624.	12.0	290
24	ExÂVivo Expansion and InÂVivo Self-Renewal of Human Muscle Stem Cells. Stem Cell Reports, 2015, 5, 621-632.	4.8	168
25	All's well that ends well: alternative polyadenylation and its implications for stem cell biology. Current Opinion in Cell Biology, 2013, 25, 222-232.	5.4	30
26	Molecular regulation of stem cell quiescence. Nature Reviews Molecular Cell Biology, 2013, 14, 329-340.	37.0	912
27	Chromatin Modifications as Determinants of Muscle Stem Cell Quiescence and Chronological Aging. Cell Reports, 2013, 4, 189-204.	6.4	463
28	Alternative Polyadenylation Mediates MicroRNA Regulation of Muscle Stem Cell Function. Cell Stem Cell, 2012, 10, 327-336.	11.1	133
29	Maintenance of muscle stem-cell quiescence by microRNA-489. Nature, 2012, 482, 524-528.	27.8	393
30	Notch Signaling Is Necessary to Maintain Quiescence in Adult Muscle Stem Cells. Stem Cells, 2012, 30, 232-242.	3.2	447
31	Remodeling the cardiac transcriptional landscape with diet. Physiological Genomics, 2011, 43, 772-780.	2.3	15
32	Identifying pattern-defined regulatory islands in mammalian genomes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10116-10121.	7.1	8
33	Systematic Identification of C.Âelegans miRISC Proteins, miRNAs, and mRNA Targets by Their Interactions with GW182 Proteins AIN-1 and AIN-2. Molecular Cell, 2007, 28, 598-613.	9.7	226