

Daniel Hesselson

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,813
citations

361413

20
h-index

361022

35
g-index

42
all docs

42
docs citations

42
times ranked

3819
citing authors

#	ARTICLE	IF	CITATIONS
1	Zebrafish Regulatory T Cells Mediate Organ-Specific Regenerative Programs. <i>Developmental Cell</i> , 2017, 43, 659-672.e5.	7.0	200
2	Whole-organism screening for gluconeogenesis identifies activators of fasting metabolism. <i>Nature Chemical Biology</i> , 2013, 9, 97-104.	8.0	161
3	Distinct populations of quiescent and proliferative pancreatic β -cells identified by H2Acre mediated labeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14896-14901.	7.1	157
4	Animal and translational models of SARS-CoV-2 infection and COVID-19. <i>Mucosal Immunology</i> , 2020, 13, 877-891.	6.0	155
5	Loss of Dnmt1 catalytic activity reveals multiple roles for DNA methylation during pancreas development and regeneration. <i>Developmental Biology</i> , 2009, 334, 213-223.	2.0	139
6	Glucagon is essential for alpha cell transdifferentiation and beta cell neogenesis. <i>Development (Cambridge)</i> , 2015, 142, 1407-1417.	2.5	108
7	The role of non-genetic inheritance in evolutionary rescue: epigenetic buffering, heritable bet hedging and epigenetic traps. <i>Environmental Epigenetics</i> , 2016, 2, dvv014.	1.8	91
8	Metabolic Regulation of Cellular Plasticity in the Pancreas. <i>Current Biology</i> , 2013, 23, 1242-1250.	3.9	74
9	Live imaging molecular changes in junctional tension upon VE-cadherin in zebrafish. <i>Nature Communications</i> , 2017, 8, 1402.	12.8	73
10	Conditional control of gene function by an invertible gene trap in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15389-15394.	7.1	66
11	Legumain Regulates Differentiation Fate of Human Bone Marrow Stromal Cells and Is Altered in Postmenopausal Osteoporosis. <i>Stem Cell Reports</i> , 2017, 8, 373-386.	4.8	66
12	GON-1 and Fibulin Have Antagonistic Roles in Control of Organ Shape. <i>Current Biology</i> , 2004, 14, 2005-2010.	3.9	57
13	Rescue of Pink1 Deficiency by Stress-Dependent Activation of Autophagy. <i>Cell Chemical Biology</i> , 2017, 24, 471-480.e4.	5.2	53
14	Nuclear factor κ B-inducing kinase activation as a mechanism of pancreatic β cell failure in obesity. <i>Journal of Experimental Medicine</i> , 2015, 212, 1239-1254.	8.5	52
15	Suppression of Ptf1a Activity Induces Acinar-to-Endocrine Conversion. <i>Current Biology</i> , 2011, 21, 712-717.	3.9	51
16	Chemical reprogramming enhances homology-directed genome editing in zebrafish embryos. <i>Communications Biology</i> , 2019, 2, 198.	4.4	41
17	Molecular dissection of box jellyfish venom cytotoxicity highlights an effective venom antidote. <i>Nature Communications</i> , 2019, 10, 1655.	12.8	35
18	Thyroid Hormone Coordinates Pancreatic Islet Maturation During the Zebrafish Larval-to-Juvenile Transition to Maintain Glucose Homeostasis. <i>Diabetes</i> , 2017, 66, 2623-2635.	0.6	33

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19	KrÄ¼ppel-like factor 1 is a core cardiomyogenic trigger in zebrafish. <i>Science</i> , 2021, 372, 201-205.	12.6	32
20	Genetic basis of hindlimb loss in a naturally occurring vertebrate model. <i>Biology Open</i> , 2016, 5, 359-366.	1.2	24
21	Hepatocyte Growth Factor Signaling in Intrapancreatic Ductal Cells Drives Pancreatic Morphogenesis. <i>PLoS Genetics</i> , 2013, 9, e1003650.	3.5	20
22	Whole-Organism Chemical Screening Identifies Modulators of Pancreatic Î²-Cell Function. <i>Diabetes</i> , 2018, 67, 2268-2279.	0.6	15
23	Computer Animation Technology in Behavioral Sciences: A Sequential, Automatic, and High-Throughput Approach to Quantifying Personality in Zebrafish (<i>Danio rerio</i>). <i>Zebrafish</i> , 2018, 15, 206-210.	1.1	14
24	“STRESSED OUT” The role of FUS and TDP-43 in amyotrophic lateral sclerosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 126, 105821.	2.8	13
25	Growth control by EGF repeats of the <i>C. elegans</i> Fibulin-1C isoform. <i>Journal of Cell Biology</i> , 2006, 175, 217-223.	5.2	10
26	An efficient new assay for measuring zebrafish anxiety: Tall tanks that better characterize between-individual differences. <i>Journal of Neuroscience Methods</i> , 2021, 356, 109138.	2.5	10
27	Approaches to Enhance Precise CRISPR/Cas9-Mediated Genome Editing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8571.	4.1	9
28	Low repeatability of aversive learning in zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	7
29	Deletion distal to the PAX6 coding region reveals a novel basis for familial cosegregation of aniridia and diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2019, 148, 64-71.	2.8	6
30	The French press: a repeatable and high-throughput approach to exercising zebrafish (<i>Danio rerio</i>). <i>Journal of Experimental Biology</i> , 2021, 224, .	2.0	6
31	Profiling research on PFAS in wildlife: Protocol of a systematic evidence map and bibliometric analysis. <i>Ecological Solutions and Evidence</i> , 2021, 2, e12106.	2.0	6
32	A zebrafish functional genomics model to investigate the role of human A20 variants in vivo. <i>Scientific Reports</i> , 2020, 10, 19085.	3.3	5
33	Thermal processing reduces PFAS concentrations in blue food “ A systematic review and meta-analysis. <i>Environmental Pollution</i> , 2022, 304, 119081.	7.5	5
34	PFAS exposure of humans, animals and the environment: Protocol of an evidence review map and bibliometric analysis. <i>Environment International</i> , 2022, 158, 106973.	10.0	4
35	Pharmacological Enhancement of Regeneration-Dependent Regulatory T Cell Recruitment in Zebrafish. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5189.	4.1	2
36	From bugs to beta cells. <i>ELife</i> , 2016, 5, .	6.0	0