Heinrich Jasper

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5274196/publications.pdf

Version: 2024-02-01

89 papers	8,470 citations	44069 48 h-index	51608 86 g-index
96 all docs	96 docs citations	96 times ranked	8647 citing authors

#	Article	IF	Citations
1	JNK Activity in Somatic Stem Cells Causes Loss of Tissue Homeostasis in the Aging Drosophila Gut. Cell Stem Cell, 2008, 3, 442-455.	11.1	500
2	JNK Extends Life Span and Limits Growth by Antagonizing Cellular and Organism-Wide Responses to Insulin Signaling. Cell, 2005, 121, 115-125.	28.9	481
3	PGRP-SC2 Promotes Gut Immune Homeostasis to Limit Commensal Dysbiosis and Extend Lifespan. Cell, 2014, 156, 109-122.	28.9	374
4	JNK Signaling Confers Tolerance to Oxidative Stress and Extends Lifespan in Drosophila. Developmental Cell, 2003, 5, 811-816.	7.0	373
5	Redox Regulation by Keap1 and Nrf2 Controls Intestinal Stem Cell Proliferation in Drosophila. Cell Stem Cell, 2011, 8, 188-199.	11.1	306
6	Anatomy and Physiology of the Digestive Tract of Drosophila melanogaster. Genetics, 2018, 210, 357-396.	2.9	304
7	Lifespan Extension by Preserving Proliferative Homeostasis in Drosophila. PLoS Genetics, 2010, 6, e1001159.	3.5	303
8	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly. Science, 2022, 375, eabk2432.	12.6	295
9	Maintaining Tissue Homeostasis: Dynamic Control of Somatic Stem Cell Activity. Cell Stem Cell, 2011, 9, 402-411.	11.1	270
10	EGF signaling regulates the proliferation of intestinal stem cells in Drosophila. Development (Cambridge), 2011, 138, 1045-1055.	2.5	257
11	Metabolic regulation of stem cell function in tissue homeostasis and organismal ageing. Nature Cell Biology, 2016, 18, 823-832.	10.3	238
12	Immune modulation by MANF promotes tissue repair and regenerative success in the retina. Science, 2016, 353, aaf3646.	12.6	191
13	Preventing Age-Related Decline of Gut Compartmentalization Limits Microbiota Dysbiosis and Extends Lifespan. Cell Host and Microbe, 2016, 19, 240-253.	11.0	191
14	NAD+ augmentation restores mitophagy and limits accelerated aging in Werner syndrome. Nature Communications, 2019, 10, 5284.	12.8	165
15	Suppressors of Superoxide-H 2 O 2 Production at Site I Q of Mitochondrial Complex I Protect against Stem Cell Hyperplasia and Ischemia-Reperfusion Injury. Cell Metabolism, 2016, 24, 582-592.	16.2	162
16	Slit/Robo Signaling Regulates Cell Fate Decisions in the Intestinal Stem Cell Lineage of Drosophila. Cell Reports, 2014, 7, 1867-1875.	6.4	152
17	Aging-Induced Stem Cell Mutations as Drivers for Disease and Cancer. Cell Stem Cell, 2015, 16, 601-612.	11.1	149
18	Signal integration by Ca2+ regulates intestinal stem-cell activity. Nature, 2015, 528, 212-217.	27.8	132

#	Article	IF	Citations
19	Non-cell-autonomous induction of tissue overgrowth by JNK/Ras cooperation in a Drosophila tumor model. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13123-13128.	7.1	130
20	Rejuvenating Strategies for Stem Cell-Based Therapies in Aging. Cell Stem Cell, 2017, 20, 161-175.	11.1	129
21	Haemocytes control stem cell activity in the DrosophilaÂintestine. Nature Cell Biology, 2015, 17, 736-748.	10.3	127
22	Mitochondrial Proteostasis in the Control of Aging and Longevity. Cell Metabolism, 2014, 20, 214-225.	16.2	126
23	Mitophagy coordinates the mitochondrial unfolded protein response to attenuate inflammation-mediated myocardial injury. Redox Biology, 2021, 45, 102049.	9.0	122
24	Foxo and Fos regulate the decision between cell death and survival in response to UV irradiation. EMBO Journal, 2007, 26, 380-390.	7.8	118
25	Control of Metabolic Homeostasis by Stress Signaling Is Mediated by the Lipocalin NLaz. PLoS Genetics, 2009, 5, e1000460.	3.5	110
26	The Genomic Response of the Drosophila Embryo to JNK Signaling. Developmental Cell, 2001, 1, 579-586.	7.0	104
27	Regulation of Drosophila lifespan by JNK signaling. Experimental Gerontology, 2011, 46, 349-354.	2.8	104
28	Gastrointestinal stem cells in health and disease: from flies to humans. DMM Disease Models and Mechanisms, 2016, 9, 487-99.	2.4	101
29	In vivo partial reprogramming alters age-associated molecular changes during physiological aging in mice. Nature Aging, 2022, 2, 243-253.	11.6	101
30	Integration of UPRER and Oxidative Stress Signaling in the Control of Intestinal Stem Cell Proliferation. PLoS Genetics, 2014, 10, e1004568.	3.5	100
31	Intestinal Stem Cell Aging: Origins and Interventions. Annual Review of Physiology, 2020, 82, 203-226.	13.1	100
32	MANF regulates metabolic and immune homeostasis in ageing and protects against liver damage. Nature Metabolism, 2019, 1, 276-290.	11.9	89
33	14â€šâ€šÉ› antagonizes FoxO to control growth, apoptosis and longevity in Drosophila. Aging Cell, 2008, 7, 688-699.	6.7	88
34	Notch-Mediated Suppression of TSC2 Expression Regulates Cell Differentiation in the Drosophila Intestinal Stem Cell Lineage. PLoS Genetics, 2012, 8, e1003045.	3.5	88
35	mTORC1 Activation during Repeated Regeneration Impairs Somatic Stem Cell Maintenance. Cell Stem Cell, 2017, 21, 806-818.e5.	11.1	87
36	PERK Limits Drosophila Lifespan by Promoting Intestinal Stem Cell Proliferation in Response to ER Stress. PLoS Genetics, 2015, 11, e1005220.	3.5	86

#	Article	IF	Citations
37	Dynamic Coordination of Innate Immune Signaling and Insulin Signaling Regulates Systemic Responses to Localized DNA Damage. Developmental Cell, 2011, 20, 841-854.	7.0	85
38	Promoting longevity by maintaining metabolic and proliferative homeostasis. Journal of Experimental Biology, 2014, 217, 109-118.	1.7	85
39	Of Flies, Mice, and Men: Evolutionarily Conserved Tissue Damage Responses and Aging. Developmental Cell, 2015, 32, 9-18.	7.0	81
40	Control of metabolic adaptation to fasting by dILP6-induced insulin signaling in Drosophila oenocytes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17959-17964.	7.1	75
41	Insulin and JNK: optimizing metabolic homeostasis and lifespan. Trends in Endocrinology and Metabolism, 2009, 20, 100-106.	7.1	71
42	Piwi Is Required to Limit Exhaustion of Aging Somatic Stem Cells. Cell Reports, 2017, 20, 2527-2537.	6.4	70
43	Intestinal inflammation and stem cell homeostasis in aging Drosophila melanogaster. Frontiers in Cellular and Infection Microbiology, 2013, 3, 98.	3.9	69
44	A Genomic Switch at the Transition from Cell Proliferation to Terminal Differentiation in the Drosophila Eye. Developmental Cell, 2002, 3, 511-521.	7.0	67
45	JNK signaling in insulinâ€producing cells is required for adaptive responses to stress in Drosophila. Aging Cell, 2009, 8, 288-295.	6.7	64
46	Dpp Signaling Determines Regional Stem Cell Identity in the Regenerating Adult Drosophila Gastrointestinal Tract. Cell Reports, 2013, 4, 10-18.	6.4	64
47	Misregulation of an Adaptive Metabolic Response Contributes to the Age-Related Disruption of Lipid Homeostasis in Drosophila. Cell Reports, 2013, 4, 1250-1261.	6.4	61
48	Metabolic Regulation of Stem Cell Behavior and Implications for Aging. Cell Metabolism, 2010, 12, 561-565.	16.2	51
49	Dietary restriction improves intestinal cellular fitness to enhance gut barrier function and lifespan in D. melanogaster. PLoS Genetics, 2018, 14, e1007777.	3.5	47
50	Peroxiredoxin Stabilization of DE-Cadherin Promotes Primordial Germ Cell Adhesion. Developmental Cell, 2011, 20, 233-243.	7.0	46
51	PGAM5 promotes lasting FoxO activation after developmental mitochondrial stress and extends lifespan in Drosophila. ELife, 2017, 6, .	6.0	46
52	Adult stem cells and regenerative medicineâ€”a symposium report. Annals of the New York Academy of Sciences, 2020, 1462, 27-36.	3.8	43
53	DREF Is Required for Efficient Growth and Cell Cycle Progression in Drosophila Imaginal Discs. Molecular and Cellular Biology, 2005, 25, 5590-5598.	2.3	41
54	Control of Intestinal Cell Fate by Dynamic Mitotic Spindle Repositioning Influences Epithelial Homeostasis and Longevity. Cell Reports, 2019, 28, 2807-2823.e5.	6.4	40

#	Article	IF	Citations
55	Loss of a proteostatic checkpoint in intestinal stem cells contributes to age-related epithelial dysfunction. Nature Communications, 2019, 10, 1050.	12.8	39
56	Warburg-like Metabolic Reprogramming in Aging Intestinal Stem Cells Contributes to Tissue Hyperplasia. Cell Reports, 2020, 33, 108423.	6.4	36
57	Exploring the physiology and pathology of aging in the intestine ofDrosophila melanogaster. Invertebrate Reproduction and Development, 2015, 59, 51-58.	0.8	33
58	The WT1-like transcription factor Klumpfuss maintains lineage commitment of enterocyte progenitors in the Drosophila intestine. Nature Communications, 2019, 10, 4123.	12.8	33
59	Mutations of mitochondrial DNA are not major contributors to aging of fruit flies. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9620-E9629.	7.1	32
60	Trophic Factors in Inflammation and Regeneration: The Role of MANF and CDNF. Frontiers in Physiology, 2018, 9, 1629.	2.8	31
61	Metabolic Homeostasis: HDACs Take Center Stage. Cell, 2011, 145, 497-499.	28.9	25
62	Hallmarks of aging Drosophila intestinal stem cells. Mechanisms of Ageing and Development, 2020, 190, 111285.	4.6	25
63	Reactive Oxygen Species in intestinal stem cell metabolism, fate and function. Free Radical Biology and Medicine, 2021, 166, 140-146.	2.9	25
64	Gut cytokines modulate olfaction through metabolic reprogramming of glia. Nature, 2021, 596, 97-102.	27.8	25
65	Host autophagy mediates organ wasting and nutrient mobilization for tumor growth. EMBO Journal, 2021, 40, e107336.	7.8	25
66	Non-canonical Wnt signaling promotes directed migration of intestinal stem cells to sites of injury. Nature Communications, 2021, 12, 7150.	12.8	25
67	Schnurri regulates hemocyte function to promote tissue recovery after DNA damage. Journal of Cell Science, 2012, 125, 1393-400.	2.0	21
68	AWD regulates timed activation of BMP signaling in intestinal stem cells to maintain tissue homeostasis. Nature Communications, 2019, 10, 2988.	12.8	21
69	Age-related changes in polycomb gene regulation disrupt lineage fidelity in intestinal stem cells. ELife, 2021, 10, .	6.0	20
70	Niche science. Cell Cycle, 2012, 11, 2959-2960.	2.6	19
71	SKNy Worms and Long Life. Cell, 2008, 132, 915-916.	28.9	18
72	Control of apoptosis by Drosophila DCAF12. Developmental Biology, 2016, 413, 50-59.	2.0	18

#	Article	IF	Citations
73	JNK modifies neuronal metabolism to promote proteostasis and longevity. Aging Cell, 2019, 18, e12849.	6.7	18
74	Cohesin controls intestinal stem cell identity by maintaining association of Escargot with target promoters. ELife, 2020, 9, .	6.0	16
75	Epithelia: Understanding the Cell Biology of Intestinal Barrier Dysfunction. Current Biology, 2017, 27, R185-R187.	3.9	12
76	Tis11 mediated mRNA decay promotes the reacquisition of Drosophila intestinal stem cell quiescence. Developmental Biology, 2017, 426, 8-16.	2.0	12
77	MANF delivery improves retinal homeostasis and cell replacement therapies in ageing mice. Experimental Gerontology, 2020, 134, 110893.	2.8	12
78	Aging: Seeking Mitonuclear Balance. Cell, 2013, 154, 271-273.	28.9	11
79	Longevity focuses on NAD+. Nature Chemical Biology, 2013, 9, 666-667.	8.0	10
80	Ubx dynamically regulates Dpp signaling by repressing Dad expression during copper cell regeneration in the adult Drosophila midgut. Developmental Biology, 2016, 419, 373-381.	2.0	10
81	Sexual Dimorphism: How Female Cells Win the Race. Current Biology, 2016, 26, R212-R215.	3.9	9
82	It's all about balance: p53 and aging. Aging, 2009, 1, 884-886.	3.1	9
83	Drosophila Innate Immunity. Molecular Cell, 2002, 10, 967-969.	9.7	8
84	You Are What You Eat: Linking High-Fat Diet to Stem Cell Dysfunction and Tumorigenesis. Cell Stem Cell, 2016, 18, 564-566.	11.1	6
85	Epithelial regeneration and cancer: news from the Src front. EMBO Journal, 2014, 33, 1423-1424.	7.8	3
86	Exploring Human Skin Aging at the Single-Cell Level. Developmental Cell, 2021, 56, 253-254.	7.0	2
87	RALying Regeneration through Wnt Internalization in Stem Cells. Cell Stem Cell, 2019, 24, 499-500.	11.1	1
88	Migration in Action: Profiling Border Cells. Developmental Cell, 2006, 10, 414-415.	7.0	0
89	Dpp/TGFÎ²-superfamily play a dual conserved role in mediating the damage response in the retina. PLoS ONE, 2021, 16, e0258872.	2.5	0