

Achim Paululat

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

927
citations

471477

17
h-index

501174

28
g-index

40
all docs

40
docs citations

40
times ranked

950
citing authors

#	ARTICLE	IF	CITATIONS
1	Wing hearts in four-winged <i>Ultrabithorax</i> -mutant flies—the role of Hox genes in wing heart specification. <i>Genetics</i> , 2022, 220, .	2.9	1
2	Interplay between SERCA, 4E-BP, and eIF4E in the <i>Drosophila</i> heart. <i>PLoS ONE</i> , 2022, 17, e0267156.	2.5	6
3	In-vivo tracking of harmonic nanoparticles: a study based on a TIGER widefield microscope [Invited]. <i>Optical Materials Express</i> , 2021, 11, 1953.	3.0	8
4	The small GTPase KIRho5 responds to oxidative stress and affects cytokinesis. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	5
5	The septate junction protein Mesh is required for epithelial morphogenesis, ion transport, and paracellular permeability in the <i>Drosophila</i> Malpighian tubule. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C675-C694.	4.6	16
6	A trimeric metazoan Rab7 GEF complex is crucial for endocytosis and scavenger function. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	14
7	Alary muscles and TARMs, a novel type of striated muscles maintaining internal organs positions. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	11
8	The septate junction protein Tetraspanin 2A is critical to the structure and function of Malpighian tubules in <i>Drosophila melanogaster</i> . <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1107-C1122.	4.6	14
9	Identification and In Vivo Characterisation of Cardioactive Peptides in <i>Drosophila melanogaster</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2.	4.1	43
10	Biosynthesis and assembly of the Collagen IV-like protein Pericardin in <i>Drosophila melanogaster</i> . <i>Biology Open</i> , 2018, 7, .	1.2	19
11	<i>Drosophila</i> pericardial nephrocyte ultrastructure changes during ageing. <i>Mechanisms of Ageing and Development</i> , 2018, 173, 9-20.	4.6	12
12	Distinct domains in the matricellular protein Lonely heart are crucial for cardiac extracellular matrix formation and heart function in <i>Drosophila</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 7864-7879.	3.4	14
13	SERCA is critical to control the Bowditch effect in the heart. <i>Scientific Reports</i> , 2018, 8, 12447.	3.3	16
14	APC/CFzr regulates cardiac and myoblast cell numbers and plays a crucial role during myoblast fusion. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	4
15	Muscle Function Assessment Using a <i>Drosophila</i> Larvae Crawling Assay. <i>Bio-protocol</i> , 2018, 8, e2933.	0.4	5
16	Characterization of <i>Drosophila</i> saposin-related mutants as a model for lysosomal sphingolipid storage diseases. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 737-750.	2.4	13
17	Debris buster is a <i>Drosophila</i> scavenger receptor essential for airway physiology. <i>Developmental Biology</i> , 2017, 430, 52-68.	2.0	11
18	Formation and function of intracardiac valve cells in the <i>Drosophila</i> heart. <i>Journal of Experimental Biology</i> , 2017, 220, 1852-1863.	1.7	14

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19	On the Morphology of the Drosophila Heart. Journal of Cardiovascular Development and Disease, 2016, 3, 15.	1.6	71
20	Drosophila neprilysins control insulin signaling and food intake via cleavage of regulatory peptides. ELife, 2016, 5, .	6.0	23
21	Klf15 Is Critical for the Development and Differentiation of Drosophila Nephrocytes. PLoS ONE, 2015, 10, e0134620.	2.5	46
22	Adhesive pad differentiation in <i>Drosophila melanogaster</i> depends on the Polycomb group gene <i>Su(z)2</i> . Journal of Experimental Biology, 2015, 218, 1159-65.	1.7	5
23	A Drosophila Model of Epidermolysis Bullosa Simplex. Journal of Investigative Dermatology, 2015, 135, 2031-2039.	0.7	18
24	The circulatory organs of insect wings: Prime examples for the origin of evolutionary novelties. Zoologischer Anzeiger, 2015, 256, 82-95.	0.9	22
25	The bHLH Transcription Factor Hand Regulates the Expression of Genes Critical to Heart and Muscle Function in Drosophila melanogaster. PLoS ONE, 2015, 10, e0134204.	2.5	11
26	The bHLH transcription factor hand is required for proper wing heart formation in Drosophila. Developmental Biology, 2013, 381, 446-459.	2.0	17
27	The Conserved ADAMTS-like Protein Lonely heart Mediates Matrix Formation and Cardiac Tissue Integrity. PLoS Genetics, 2013, 9, e1003616.	3.5	48
28	In vivo imaging of Drosophila wing heart development during pupal stages. International Journal of Developmental Biology, 2013, 57, 13-24.	0.6	10
29	The ultrastructure of Drosophila heart cells. Arthropod Structure and Development, 2012, 41, 459-474.	1.4	76
30	New yeast/E. coli/Drosophila triple shuttle vectors for efficient generation of Drosophila P element transformation constructs. Gene, 2012, 511, 300-305.	2.2	16
31	GBF1 (Gartenzweg)-dependent secretion is required for Drosophila tubulogenesis. Journal of Cell Science, 2012, 125, 461-472.	2.0	37
32	The transmembrane receptor Uncoordinated5 (Unc5) is essential for heart lumen formation in Drosophila melanogaster. Developmental Biology, 2011, 350, 89-100.	2.0	38
33	Neprilysin 4, a novel endopeptidase from <i>Drosophila melanogaster</i> , displays distinct substrate specificities and exceptional solubility states. Journal of Experimental Biology, 2009, 212, 3673-3683.	1.7	26
34	The Drosophila wing hearts consist of syncytial muscle cells that resemble adult somatic muscles. Arthropod Structure and Development, 2009, 38, 111-123.	1.4	24
35	Antagonistic function of Lmd and Zfh1 fine tunes cell fate decisions in the Twi and Tin positive mesoderm of Drosophila melanogaster. Developmental Biology, 2009, 326, 444-455.	2.0	27
36	The Drosophila wing hearts originate from pericardial cells and are essential for wing maturation. Developmental Biology, 2008, 318, 29-37.	2.0	53

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37	The ADAM metalloprotease Kuzbanian is crucial for proper heart formation in <i>Drosophila melanogaster</i> . <i>Mechanisms of Development</i> , 2006, 123, 372-387.	1.7	36
38	Dynamics of heart differentiation, visualized utilizing heart enhancer elements of the <i>Drosophila melanogaster</i> bHLH transcription factor Hand. <i>Gene Expression Patterns</i> , 2006, 6, 360-375.	0.8	94