

Kristen A Panfilio

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,208
citations

318942

23
h-index

388640

36
g-index

54
all docs

54
docs citations

54
times ranked

2852
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistent Parental RNAi in the Beetle <i>Tribolium castaneum</i> Involves Maternal Transmission of Long Double-Stranded RNA. <i>Genetics & Genomics Next</i> , 2022, 3, .	0.8	6
2	Increase in egg resistance to desiccation in springtails correlates with blastodermal cuticle formation: Eco-evolutionary implications for insect terrestrialization. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2021, 336, 606-619.	0.6	8
3	Genome-enabled insights into the biology of thrips as crop pests. <i>BMC Biology</i> , 2020, 18, 142.	1.7	54
4	Unexpected mutual regulation underlies paralogue functional diversification and promotes epithelial tissue maturation in <i>Tribolium</i> . <i>Communications Biology</i> , 2020, 3, 552.	2.0	9
5	Regionalized tissue fluidization is required for epithelial gap closure during insect gastrulation. <i>Nature Communications</i> , 2020, 11, 5604.	5.8	53
6	Brown marmorated stink bug, <i>Halyomorpha halys</i> (Stål), genome: putative underpinnings of polyphagy, insecticide resistance potential and biology of a top worldwide pest. <i>BMC Genomics</i> , 2020, 21, 227.	1.2	60
7	Gene content evolution in the arthropods. <i>Genome Biology</i> , 2020, 21, 15.	3.8	150
8	Enhanced genome assembly and a new official gene set for <i>Tribolium castaneum</i> . <i>BMC Genomics</i> , 2020, 21, 47.	1.2	84
9	The genetic factors of bilaterian evolution. <i>ELife</i> , 2020, 9, .	2.8	44
10	Repertoire-wide gene structure analyses: a case study comparing automatically predicted and manually annotated gene models. <i>BMC Genomics</i> , 2019, 20, 753.	1.2	12
11	Genetics and mechanics combine to guide the embryonic gut. <i>Nature</i> , 2019, 572, 446-447.	13.7	0
12	Molecular evolutionary trends and feeding ecology diversification in the Hemiptera, anchored by the milkweed bug genome. <i>Genome Biology</i> , 2019, 20, 64.	3.8	114
13	Fog signaling has diverse roles in epithelial morphogenesis in insects. <i>ELife</i> , 2019, 8, .	2.8	20
14	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae). <i>Scientific Reports</i> , 2018, 8, 1931.	1.6	215
15	By land, air, and sea: hemipteran diversity through the genomic lens. <i>Current Opinion in Insect Science</i> , 2018, 25, 106-115.	2.2	31
16	The genome of the water strider <i>Gerris buenoi</i> reveals expansions of gene repertoires associated with adaptations to life on the water. <i>BMC Genomics</i> , 2018, 19, 832.	1.2	47
17	The beetle amnion and serosa functionally interact as apposed epithelia. <i>ELife</i> , 2016, 5, .	2.8	35
18	Novel functions for <i>Dorsocross</i> in epithelial morphogenesis in the beetle <i>Tribolium castaneum</i> . <i>Development (Cambridge)</i> , 2016, 143, 3002-11.	1.2	24

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19	Genome of the Asian longhorned beetle (<i>Anoplophora glabripennis</i>), a globally significant invasive species, reveals key functional and evolutionary innovations at the beetle-plant interface. <i>Genome Biology</i> , 2016, 17, 227.	3.8	244
20	Unique features of a global human ectoparasite identified through sequencing of the bed bug genome. <i>Nature Communications</i> , 2016, 7, 10165.	5.8	184
21	Evolution of epithelial morphogenesis: phenotypic integration across multiple levels of biological organization. <i>Frontiers in Genetics</i> , 2015, 6, 303.	1.1	18
22	The iBeetle large-scale RNAi screen reveals gene functions for insect development and physiology. <i>Nature Communications</i> , 2015, 6, 7822.	5.8	139
23	Dynamic BMP signaling polarized by Toll patterns the dorsoventral axis in a hemimetabolous insect. <i>ELife</i> , 2015, 4, e05502.	2.8	40
24	Visualizing Late Insect Embryogenesis: Extraembryonic and Mesodermal Enhancer Trap Expression in the Beetle <i>Tribolium castaneum</i> . <i>PLoS ONE</i> , 2014, 9, e103967.	1.1	16
25	Development: Getting into the Groove, or Evolving off the Rails?. <i>Current Biology</i> , 2013, 23, R1101-R1103.	1.8	4
26	High plasticity in epithelial morphogenesis during insect dorsal closure. <i>Biology Open</i> , 2013, 2, 1108-1118.	0.6	34
27	Making Waves for Segments. <i>Science</i> , 2012, 336, 306-307.	6.0	4
28	The maternal and early embryonic transcriptome of the milkweed bug <i>Oncopeltus fasciatus</i> . <i>BMC Genomics</i> , 2011, 12, 61.	1.2	110
29	Epithelial reorganization events during late extraembryonic development in a hemimetabolous insect. <i>Developmental Biology</i> , 2010, 340, 100-115.	0.9	29
30	Late extraembryonic morphogenesis and its zenRNAi-induced failure in the milkweed bug <i>Oncopeltus fasciatus</i> . <i>Developmental Biology</i> , 2009, 333, 297-311.	0.9	28
31	Extraembryonic development in insects and the acrobatics of blastokinesis. <i>Developmental Biology</i> , 2008, 313, 471-491.	0.9	150
32	A comparison of Hox3 and Zen protein coding sequences in taxa that span the Hox3/zen divergence. <i>Development Genes and Evolution</i> , 2007, 217, 323-329.	0.4	14
33	<i>Oncopeltus fasciatus</i> zen is essential for serosal tissue function in katatrepsis. <i>Developmental Biology</i> , 2006, 292, 226-243.	0.9	93
34	Nuclear β -catenin promotes non-neural ectoderm and posterior cell fates in amphioxus embryos. <i>Developmental Dynamics</i> , 2005, 233, 1430-1443.	0.8	49
35	Evidence for the neural crest origin of turtle plastron bones. <i>Genesis</i> , 2001, 31, 111-117.	0.8	44
36	Plasticity in patterning and gestation at the eco-evo-devo interface. <i>Development Genes and Evolution</i> , 0, , .	0.4	0