

Robert Peuß

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7045039/publications.pdf>

Version: 2024-02-01

22
papers

1,085
citations

567281

15
h-index

713466

21
g-index

37
all docs

37
docs citations

37
times ranked

966
citing authors

#	ARTICLE	IF	CITATIONS
1	Insulin resistance in cavefish as an adaptation to a nutrient-limited environment. <i>Nature</i> , 2018, 555, 647-651.	27.8	196
2	Immune priming in arthropods: an update focusing on the red flour beetle. <i>Zoology</i> , 2016, 119, 254-261.	1.2	96
3	The Red Flour Beetle as a Model for Bacterial Oral Infections. <i>PLoS ONE</i> , 2013, 8, e64638.	2.5	87
4	Dscam and pancrustacean immune memory – A review of the evidence. <i>Developmental and Comparative Immunology</i> , 2015, 48, 315-323.	2.3	83
5	Early adipogenesis contributes to excess fat accumulation in cave populations of <i>Astyanax mexicanus</i> . <i>Developmental Biology</i> , 2018, 441, 297-304.	2.0	66
6	Oral immune priming with <i>Bacillus thuringiensis</i> induces a shift in the gene expression of <i>Tribolium castaneum</i> larvae. <i>BMC Genomics</i> , 2017, 18, 329.	2.8	61
7	Infection routes matter in population-specific responses of the red flour beetle to the entomopathogen <i>Bacillus thuringiensis</i> . <i>BMC Genomics</i> , 2014, 15, 445.	2.8	60
8	A chromosome-level genome of <i>Astyanax mexicanus</i> surface fish for comparing population-specific genetic differences contributing to trait evolution. <i>Nature Communications</i> , 2021, 12, 1447.	12.8	60
9	Stable transgenesis in <i>Astyanax mexicanus</i> using the <i>Tol2</i> transposase system. <i>Developmental Dynamics</i> , 2019, 248, 679-687.	1.8	57
10	Experimental evolution of immunological specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20598-20604.	7.1	49
11	Adaptation to low parasite abundance affects immune investment and immunopathological responses of cavefish. <i>Nature Ecology and Evolution</i> , 2020, 4, 1416-1430.	7.8	46
12	An Adult Brain Atlas Reveals Broad Neuroanatomical Changes in Independently Evolved Populations of Mexican Cavefish. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 88.	1.7	36
13	Comparative transcriptome analysis of wild and lab populations of <i>Astyanax mexicanus</i> uncovers differential effects of environment and morphotype on gene expression. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2020, 334, 530-539.	1.3	33
14	<i>Down syndrome cell adhesion molecule 1</i> : testing for a role in insect immunity, behaviour and reproduction. <i>Royal Society Open Science</i> , 2016, 3, 160138.	2.4	27
15	Enhanced lipogenesis through <i>Pparβ</i> helps cavefish adapt to food scarcity. <i>Current Biology</i> , 2022, 32, 2272-2280.e6.	3.9	23
16	Downregulation of the evolutionary capacitor <i>Hsp90</i> is mediated by social cues. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20152041.	2.6	20
17	The metabolome of Mexican cavefish shows a convergent signature highlighting sugar, antioxidant, and Ageing-Related metabolites. <i>ELife</i> , 0, 11, .	6.0	16
18	Genome-wide analysis of cis-regulatory changes underlying metabolic adaptation of cavefish. <i>Nature Genetics</i> , 2022, 54, 684-693.	21.4	14

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19	Liver-derived cell lines from cavefish <i>Astyanax mexicanus</i> as an in vitro model for studying metabolic adaptation. <i>Scientific Reports</i> , 2022, 12, .	3.3	8
20	Gamete Collection and In Vitro Fertilization of <i>Astyanax mexicanus</i> . <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	7
21	Image3C, a multimodal image-based and label-independent integrative method for single-cell analysis. <i>ELife</i> , 2021, 10, .	6.0	7
22	Paternal knockdown of tRNA ^{C5} methyltransferase (<i>Dnmt2</i>) increases offspring susceptibility to infection in red flour beetles. <i>Insect Molecular Biology</i> , 2022, 31, 711-721.	2.0	4