

# Pawel Michalak

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,053  
citations

516710

16  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexpression, coregulation, and cofunctionality of neighboring genes in eukaryotic genomes. <i>Genomics</i> , 2008, 91, 243-248.	2.9	261
2	Genome-Wide Patterns of Expression in <i>Drosophila</i> Pure Species and Hybrid Males. <i>Molecular Biology and Evolution</i> , 2003, 20, 1070-1076.	8.9	146
3	Modification of Heat-Shock Gene Expression in <i>Drosophila melanogaster</i> Populations via Transposable Elements. <i>Molecular Biology and Evolution</i> , 2003, 20, 135-144.	8.9	94
4	Association of Misexpression with Sterility in Hybrids of <i>Drosophila simulans</i> and <i>D. mauritiana</i> . <i>Journal of Molecular Evolution</i> , 2004, 59, 277-282.	1.8	62
5	Transcriptomic imprints of adaptation to fresh water: parallel evolution of osmoregulatory gene expression in the Alewife. <i>Molecular Ecology</i> , 2017, 26, 831-848.	3.9	54
6	Sterility and Gene Expression in Hybrid Males of <i>Xenopus laevis</i> and <i>X. muelleri</i> . <i>PLoS ONE</i> , 2007, 2, e781.	2.5	53
7	Regulation of gene expression and RNA editing in <i>Drosophila</i> adapting to divergent microclimates. <i>Nature Communications</i> , 2017, 8, 1570.	12.8	43
8	Divergence of <i>Drosophila melanogaster</i> repeatomes in response to a sharp microclimate contrast in Evolution Canyon, Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10630-10635.	7.1	42
9	Genome differentiation of <i>Drosophila melanogaster</i> from a microclimate contrast in Evolution Canyon, Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 21059-21064.	7.1	35
10	Testis-derived microRNA profiles of African clawed frogs ( <i>Xenopus</i> ) and their sterile hybrids. <i>Genomics</i> , 2008, 91, 158-164.	2.9	33
11	Modeling the Regulatory Mechanisms by Which NLRX1 Modulates Innate Immune Responses to <i>Helicobacter pylori</i> Infection. <i>PLoS ONE</i> , 2015, 10, e0137839.	2.5	32
12	Genetic Divergence between Freshwater and Marine Morphs of Alewife ( <i>Alosa pseudoharengus</i> ): A "Next-Generation" Sequencing Analysis. <i>PLoS ONE</i> , 2012, 7, e31803.	2.5	27
13	Sex-Biased Gene Expression in a ZW Sex Determination System. <i>Journal of Molecular Evolution</i> , 2006, 63, 427-436.	1.8	26
14	Gene expression analysis of the ovary of hybrid females of <i>Xenopus laevis</i> and <i>X. muelleri</i> . <i>BMC Evolutionary Biology</i> , 2008, 8, 82.	3.2	22
15	Gene expression polymorphism in <i>Drosophila</i> populations. <i>Molecular Ecology</i> , 2007, 16, 1179-1189.	3.9	19
16	Evolvability of Hsp70 Expression under Artificial Selection for Inducible Thermotolerance in Independent Populations of <i>Drosophila melanogaster</i> . <i>Physiological and Biochemical Zoology</i> , 2002, 75, 325-334.	1.5	17
17	Snapshot of DNA methylation changes associated with hybridization in <i>Xenopus</i> . <i>Physiological Genomics</i> , 2011, 43, 1276-1280.	2.3	17
18	Misexpression of Testicular MicroRNA in Sterile <i>Xenopus</i> Hybrids Points to Tetrapod-Specific MicroRNAs Associated with Male Fertility. <i>Journal of Molecular Evolution</i> , 2011, 73, 316-324.	1.8	12

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19	Nucleolar dominance and maternal control of 45S rDNA expression. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20152201.	2.6	12
20	Genomic divergence and adaptive convergence in <i>Drosophila simulans</i> from Evolution Canyon, Israel. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11839-11844.	7.1	12
21	The acylphosphatase (Acyp) alleles associate with male hybrid sterility in <i>Drosophila</i> . Gene, 2008, 416, 61-65.	2.2	11
22	Hybridization between the African clawed frogs <i>Xenopus laevis</i> and <i>Xenopus muelleri</i> (Pipidae) increases the multiplicity of antimicrobial peptides in skin secretions of female offspring. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2012, 7, 285-291.	1.0	10
23	Ephemeral Association Between Gene CG5762 and Hybrid Male Sterility in <i>Drosophila</i> Sibling Species. Journal of Molecular Evolution, 2011, 73, 181-187.	1.8	5
24	Beta- $\epsilon$ -thymosin gene polymorphism associated with freshwater invasiveness of alewife ( <i>Alosa</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.2	4
25	Characterization of a Male-Predominant Antisense Transcript Underexpressed in Hybrids of <i>Drosophila pseudoobscura</i> and <i>D. persimilis</i> . Genetics, 2003, 165, 1823-1830.	2.9	3
26	Sympatric Differentiation and Speciation: Insights from <i>Drosophila</i> Studies. , 2015, , 107-140.		1
27	From Big Data Analytics and Network Inference to Systems Modeling. , 2016, , 113-144.		0