

# Michal Zurovec

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,750  
citations

257450

24  
h-index

289244

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1557  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted mutagenesis in the silkworm <i>Bombyx mori</i> using zinc finger nuclease mRNA injection. <i>Insect Biochemistry and Molecular Biology</i> , 2010, 40, 759-765.	2.7	136
2	Genome-Wide Transcriptional Analysis of <i>Drosophila</i> Larvae Infected by Entomopathogenic Nematodes Shows Involvement of Complement, Recognition and Extracellular Matrix Proteins. <i>Journal of Innate Immunity</i> , 2014, 6, 192-204.	3.8	102
3	Insect silk contains both a Kunitz-type and a unique Kazal-type proteinase inhibitor. <i>FEBS Journal</i> , 2001, 268, 2064-2073.	0.2	100
4	Construction of Silk Fiber Core in Lepidoptera. <i>Biomacromolecules</i> , 2004, 5, 666-674.	5.4	95
5	A Role for Adenosine Deaminase in <i>Drosophila</i> Larval Development. <i>PLoS Biology</i> , 2005, 3, e201.	5.6	87
6	Identification of four small molecular mass proteins in the silk of <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2001, 10, 437-445.	2.0	86
7	Adenosine deaminase-related growth factors stimulate cell proliferation in <i>Drosophila</i> by depleting extracellular adenosine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4403-4408.	7.1	86
8	Correlation between Fibroin Amino Acid Sequence and Physical Silk Properties. <i>Journal of Biological Chemistry</i> , 2003, 278, 35255-35264.	3.4	77
9	Efficient disruption of endogenous <i>Bombyx</i> gene by TAL effector nucleases. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 17-23.	2.7	70
10	A <i>Drosophila</i> adenosine receptor activates cAMP and calcium signaling. <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 318-329.	2.7	64
11	The <i>Drosophila</i> Chitinase-Like Protein IDGF3 Is Involved in Protection against Nematodes and in Wound Healing. <i>Journal of Innate Immunity</i> , 2016, 8, 199-210.	3.8	62
12	Efficient TALEN Construction for <i>Bombyx mori</i> Gene Targeting. <i>PLoS ONE</i> , 2013, 8, e73458.	2.5	55
13	Unique Molecular Architecture of Silk Fibroin in the Waxmoth, <i>Galleria mellonella</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 22639-22647.	3.4	51
14	Structure and expression of the silk adhesive protein Ser2 in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2009, 39, 938-946.	2.7	51
15	Identification of a Novel Type of Silk Protein and Regulation of Its Expression. <i>Journal of Biological Chemistry</i> , 1998, 273, 15423-15428.	3.4	50
16	The emerging role of adenosine deaminases in insects. <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 381-389.	2.7	45
17	Targeted mutagenesis and functional analysis of adipokinetic hormone-encoding gene in <i>Drosophila</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 61, 79-86.	2.7	43
18	<i>Drosophila</i> imaginal disc growth factor 2 is a trophic factor involved in energy balance, detoxification, and innate immunity. <i>Scientific Reports</i> , 2017, 7, 43273.	3.3	34

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19	Equilibrative Nucleoside Transporter 2 Regulates Associative Learning and Synaptic Function in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2010, 30, 5047-5057.	3.6	30
20	Omics-based molecular analyses of adhesion by aquatic invertebrates. <i>Biological Reviews</i> , 2021, 96, 1051-1075.	10.4	30
21	The P25 component of <i>Galleria</i> silk. <i>Molecular Genetics and Genomics</i> , 1998, 257, 264-270.	2.4	29
22	Light-chain fibroin of <i>Galleria mellonella</i> L. <i>Molecular Genetics and Genomics</i> , 1995, 247, 1-6.	2.4	27
23	Molecular phylogeny of Calyptratae (Diptera: Brachycera): the evolution of 18S and 16S ribosomal rDNAs in higher dipterans and their use in phylogenetic inference. <i>Insect Molecular Biology</i> , 2001, 10, 475-485.	2.0	27
24	The use of TALENs for nonhomologous end joining mutagenesis in silkworm and fruitfly. <i>Methods</i> , 2014, 69, 46-57.	3.8	26
25	Silk gland specific cDNAs from <i>Galleria mellonella</i> L. <i>Insect Biochemistry and Molecular Biology</i> , 1992, 22, 55-67.	2.7	24
26	Genetic Analysis of the <i>ADGF</i> Multigene Family by Homologous Recombination and Gene Conversion in <i>Drosophila</i> . <i>Genetics</i> , 2003, 165, 653-666.	2.9	24
27	Precise genome editing in the silkworm <i>Bombyx mori</i> using TALENs and ds- and ssDNA donors – A practical approach. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 78, 29-38.	2.7	21
28	Sericin Composition in the Silk of <i>Antheraea yamamai</i> . <i>Biomacromolecules</i> , 2016, 17, 1776-1787.	5.4	20
29	The expansion of genes encoding soluble silk components in the greater wax moth, <i>Galleria mellonella</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 106, 28-38.	2.7	17
30	Expression of Human Mutant Huntingtin Protein in <i>Drosophila</i> Hemocytes Impairs Immune Responses. <i>Frontiers in Immunology</i> , 2019, 10, 2405.	4.8	14
31	Selective elimination/RNAi silencing of FMRF-related peptides and their receptors decreases the locomotor activity in <i>Drosophila melanogaster</i> . <i>General and Comparative Endocrinology</i> , 2013, 191, 137-145.	1.8	13
32	Characterization of the P25 silk gene and associated insertion elements in <i>Galleria mellonella</i> . <i>Gene</i> , 1998, 209, 157-165.	2.2	12
33	Characterization of the <i>Drosophila</i> adenosine receptor: the effect of adenosine analogs on cAMP signaling in <i>Drosophila</i> cells and their utility for <i>in vivo</i> experiments. <i>Journal of Neurochemistry</i> , 2012, 121, 383-395.	3.9	12
34	Mutation in <i>Bombyx mori</i> fibrohexamerin (P25) gene causes reorganization of rough endoplasmic reticulum in posterior silk gland cells and alters morphology of fibroin secretory globules in the silk gland lumen. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 135, 103607.	2.7	11
35	A chicken c-Rel-estrogen receptor chimeric protein shows conditional nuclear localization, DNA binding, transformation and transcriptional activation. <i>Oncogene</i> , 1998, 16, 3133-3142.	5.9	10
36	Functional Conservation and Structural Diversification of Silk Sericins in Two Moth Species. <i>Biomacromolecules</i> , 2013, 14, 1859-1866.	5.4	10

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37	Targeted Mutagenesis in <i>Bombyx mori</i> Using TALENs. <i>Methods in Molecular Biology</i> , 2016, 1338, 127-142.	0.9	10
38	Differential response of <i>Drosophila</i> cell lines to extracellular adenosine. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 321-331.	2.7	9
39	Modular structure, sequence diversification and appropriate nomenclature of seroins produced in the silk glands of Lepidoptera. <i>Scientific Reports</i> , 2019, 9, 3797.	3.3	8
40	Expansion of Imaginal Disc Growth Factor Gene Family in Diptera Reflects the Evolution of Novel Functions. <i>Insects</i> , 2019, 10, 365.	2.2	8
41	Characterization of two closely related $\alpha$ -amylase paralogs in the bark beetle, <i>Ips typographus</i> (L.). <i>Archives of Insect Biochemistry and Physiology</i> , 2011, 77, 179-198.	1.5	7
42	Pathogenic postzygotic mosaicism in the tyrosine receptor kinase pathway: potential unidentified human disease hidden away in a few cells. <i>FEBS Journal</i> , 2021, 288, 3108-3119.	4.7	7
43	Silk of the common clothes moth, <i>Tineola bisselliella</i> , a cosmopolitan pest belonging to the basal ditrysian moth line. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 130, 103527.	2.7	7
44	Comparison of Silks from <i>Pseudoiips prasinana</i> and <i>Bombyx mori</i> Shows Molecular Convergence in Fibroin Heavy Chains but Large Differences in Other Silk Components. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8246.	4.1	7
45	Adenosine Receptor and Its Downstream Targets, Mod(mdg4) and Hsp70, Work as a Signaling Pathway Modulating Cytotoxic Damage in <i>Drosophila</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 651367.	3.7	5
46	Use of two transcription starts in the G6PD gene of the bark beetle <i>Ips typographus</i> . <i>Insect Molecular Biology</i> , 2006, 15, 25-32.	2.0	4
47	Mutation in the <i>Drosophila melanogaster</i> adenosine receptor gene selectively decreases the mosaic hyperplastic epithelial outgrowth rates in wts or dco heterozygous flies. <i>Purinergic Signalling</i> , 2015, 11, 95-105.	2.2	3
48	The Exact Timing of Microinjection of Parthenogenetic Silkworm Embryos Is Crucial for Their Successful Transgenesis. <i>Frontiers in Physiology</i> , 2022, 13, 822900.	2.8	2
49	The Role of Filippi's Glands in the Silk Moths Cocoon Construction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13523.	4.1	2
50	Functional Analysis of Adipokinetic Hormone Signaling in <i>Bombyx mori</i> . <i>Cells</i> , 2020, 9, 2667.	4.1	1
51	The Filippi's Glands of Giant Silk Moths: To Be or Not to Be?. <i>Insects</i> , 2021, 12, 1040.	2.2	1