Michal Zurovec

List of Publications by Year
in descending order

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	The Exact Timing of Microinjection of Parthenogenetic Silkworm Embryos Is Crucial for Their Successful Transgenesis. Frontiers in Physiology, 2022, 13, 822900.	2.8	2
2	Pathogenic postzygotic mosaicism in the tyrosine receptor kinase pathway: potential unidentified human disease hidden away in a few cells. FEBS Journal, 2021, 288, 3108-3119.	4.7	7
3	Omicsâ€based molecular analyses of adhesion by aquatic invertebrates. Biological Reviews, 2021, 96, 1051-1075.	10.4	30
4	Silk of the common clothes moth, Tineola bisselliella, a cosmopolitan pest belonging to the basal ditrysian moth line. Insect Biochemistry and Molecular Biology, 2021, 130, 103527.	2.7	7
5	Adenosine Receptor and Its Downstream Targets, Mod(mdg4) and Hsp70, Work as a Signaling Pathway Modulating Cytotoxic Damage in Drosophila. Frontiers in Cell and Developmental Biology, 2021, 9, 651367.	3.7	5
6	Comparison of Silks from Pseudoips prasinana and Bombyx mori Shows Molecular Convergence in Fibroin Heavy Chains but Large Differences in Other Silk Components. International Journal of Molecular Sciences, 2021, 22, 8246.	4.1	7
7	Mutation in Bombyx mori 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. Insect Biochemistry and Molecular Biology, 2021, 135, 103607.	2.7	11
8	The Filippiâ€™s Glands of Giant Silk Moths: To Be or Not to Be?. Insects, 2021, 12, 1040.	2.2	1
9	The Role of Filippiâ€™s Glands in the Silk Moths Cocoon Construction. International Journal of Molecular Sciences, 2021, 22, 13523.	4.1	2
10	Functional Analysis of Adipokinetic Hormone Signaling in Bombyx mori. Cells, 2020, 9, 2667.	4.1	1
11	Expression of Human Mutant Huntingtin Protein in Drosophila Hemocytes Impairs Immune Responses. Frontiers in Immunology, 2019, 10, 2405.	4.8	14
12	Modular structure, sequence diversification and appropriate nomenclature of seroins produced in the silk glands of Lepidoptera. Scientific Reports, 2019, 9, 3797.	3.3	8
13	Expansion of Imaginal Disc Growth Factor Gene Family in Diptera Reflects the Evolution of Novel Functions. Insects, 2019, 10, 365.	2.2	8
14	The expansion of genes encoding soluble silk components in the greater wax moth, Galleria mellonella. Insect Biochemistry and Molecular Biology, 2019, 106, 28-38.	2.7	17
15	Drosophila imaginal disc growth factor 2 is a trophic factor involved in energy balance, detoxification, and innate immunity. Scientific Reports, 2017, 7, 43273.	3.3	34
16	Sericin Composition in the Silk of <i>Antheraea yamamai</i>. Biomacromolecules, 2016, 17, 1776-1787.	5.4	20
17	Precise genome editing in the silkworm Bombyx mori using TALENs and ds- and ssDNA donors â€“ A practical approach. Insect Biochemistry and Molecular Biology, 2016, 78, 29-38.	2.7	21
18	The <i>Drosophila</i> Chitinase-Like Protein IDGF3 Is Involved in Protection against Nematodes and in Wound Healing. Journal of Innate Immunity, 2016, 8, 199-210.	3.8	62

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19	Targeted Mutagenesis in Bombyx mori Using TALENs. Methods in Molecular Biology, 2016, 1338, 127-142.	0.9	10
20	Targeted mutagenesis and functional analysis of adipokinetic hormone-encoding gene in Drosophila. Insect Biochemistry and Molecular Biology, 2015, 61, 79-86.	2.7	43
21	Mutation in the Drosophila melanogaster adenosine receptor gene selectively decreases the mosaic hyperplastic epithelial outgrowth rates in wts or dco heterozygous flies. Purinergic Signalling, 2015, 11, 95-105.	2.2	3
22	The use of TALENs for nonhomologous end joining mutagenesis in silkworm and fruitfly. Methods, 2014, 69, 46-57.	3.8	26
23	Genome-Wide Transcriptional Analysis of <i>Drosophila</i> Larvae Infected by Entomopathogenic Nematodes Shows Involvement of Complement, Recognition and Extracellular Matrix Proteins. Journal of Innate Immunity, 2014, 6, 192-204.	3.8	102
24	Efficient disruption of endogenous Bombyx gene by TAL effector nucleases. Insect Biochemistry and Molecular Biology, 2013, 43, 17-23.	2.7	70
25	Selective elimination/RNAi silencing of FMRF-related peptides and their receptors decreases the locomotor activity in Drosophila melanogaster. General and Comparative Endocrinology, 2013, 191, 137-145.	1.8	13
26	Functional Conservation and Structural Diversification of Silk Sericins in Two Moth Species. Biomacromolecules, 2013, 14, 1859-1866.	5.4	10
27	Efficient TALEN Construction for Bombyx mori Gene Targeting. PLoS ONE, 2013, 8, e73458.	2.5	55
28	Differential response of Drosophila cell lines to extracellular adenosine. Insect Biochemistry and Molecular Biology, 2012, 42, 321-331.	2.7	9
29	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. Journal of Neurochemistry, 2012, 121, 383-395.	3.9	12
30	Characterization of two closely related Î±â€<i>amylase</i> paralogs in the bark beetle, <i>Ips typographus</i> (L.). Archives of Insect Biochemistry and Physiology, 2011, 77, 179-198.	1.5	7
31	Equilibrative Nucleoside Transporter 2 Regulates Associative Learning and Synaptic Function in<i>Drosophila</i>. Journal of Neuroscience, 2010, 30, 5047-5057.	3.6	30
32	Targeted mutagenesis in the silkworm Bombyx mori using zinc finger nuclease mRNA injection. Insect Biochemistry and Molecular Biology, 2010, 40, 759-765.	2.7	136
33	Structure and expression of the silk adhesive protein Ser2 in Bombyx mori. Insect Biochemistry and Molecular Biology, 2009, 39, 938-946.	2.7	51
34	A Drosophila adenosine receptor activates cAMP and calcium signaling. Insect Biochemistry and Molecular Biology, 2007, 37, 318-329.	2.7	64
35	Use of two transcription starts in the G6PD gene of the bark beetle Ips typographus. Insect Molecular Biology, 2006, 15, 25-32.	2.0	4
36	The emerging role of adenosine deaminases in insects. Insect Biochemistry and Molecular Biology, 2005, 35, 381-389.	2.7	45

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37	A Role for Adenosine Deaminase in Drosophila Larval Development. PLoS Biology, 2005, 3, e201.	5.6	87
38	Construction of Silk Fiber Core in Lepidoptera. Biomacromolecules, 2004, 5, 666-674.	5.4	95
39	Correlation between Fibroin Amino Acid Sequence and Physical Silk Properties. Journal of Biological Chemistry, 2003, 278, 35255-35264.	3.4	77
40	Genetic Analysis of the <i>ADGF</i> Multigene Family by Homologous Recombination and Gene Conversion in Drosophila. Genetics, 2003, 165, 653-666.	2.9	24
41	Adenosine deaminase-related growth factors stimulate cell proliferation in Drosophila by depleting extracellular adenosine. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4403-4408.	7.1	86
42	Unique Molecular Architecture of Silk Fibroin in the Waxmoth,Galleria mellonella. Journal of Biological Chemistry, 2002, 277, 22639-22647.	3.4	51
43	Identification of four small molecular mass proteins in the silk of Bombyx mori. Insect Molecular Biology, 2001, 10, 437-445.	2.0	86
44	Molecular phylogeny of Calyptratae (Diptera: Brachycera): the evolution of 18S and 16S ribosomal rDNAs in higher dipterans and their use in phylogenetic inference. Insect Molecular Biology, 2001, 10, 475-485.	2.0	27
45	Insect silk contains both a Kunitzâ€type and a unique Kazalâ€type proteinase inhibitor. FEBS Journal, 2001, 268, 2064-2073.	0.2	100
46	A chicken c-Rel-estrogen receptor chimeric protein shows conditional nuclear localization, DNA binding, transformation and transcriptional activation. Oncogene, 1998, 16, 3133-3142.	5.9	10
47	The P25 component of Galleria silk. Molecular Genetics and Genomics, 1998, 257, 264-270.	2.4	29
48	Characterization of the P25 silk gene and associated insertion elements in Galleria mellonella. Gene, 1998, 209, 157-165.	2.2	12
49	Identification of a Novel Type of Silk Protein and Regulation of Its Expression. Journal of Biological Chemistry, 1998, 273, 15423-15428.	3.4	50
50	Light-chain fibroin of Galleria mellonella L.. Molecular Genetics and Genomics, 1995, 247, 1-6.	2.4	27
51	Silk gland specific cDNAs from Galleria mellonella L.. Insect Biochemistry and Molecular Biology, 1992, 22, 55-67.	2.7	24