Wolfgang Blenau

List of Publications by Year
in descending order

50 papers	3,084 citations	186265 28 h-index	197818 49 g-index
50 all docs	50 docs citations	50 times ranked	2494 citing authors

#	Article	IF	Citations
1	Molecular and pharmacological properties of insect biogenic amine receptors: Lessons fromDrosophila melanogaster andApis mellifera. Archives of Insect Biochemistry and Physiology, 2001, 48, 13-38.	1.5	336
2	A review of neurohormone GPCRs present in the fruitfly Drosophila melanogaster and the honey bee Apis mellifera. Progress in Neurobiology, 2006, 80, 1-19.	5.7	279
3	Behavioural pharmacology of octopamine, tyramine and dopamine in honey bees. Behavioural Brain Research, 2002, 136, 545-553.	2.2	190
4	Unique features of a global human ectoparasite identified through sequencing of the bed bug genome. Nature Communications, 2016, 7, 10165.	12.8	184
5	Molecular and functional characterization of an octopamine receptor from honeybee (Apis mellifera) brain. Journal of Neurochemistry, 2003, 86, 725-735.	3.9	162
6	Amtyr1. Journal of Neurochemistry, 2000, 74, 900-908.	3.9	154
7	The role of octopamine in locusts and other arthropods. Journal of Insect Physiology, 2010, 56, 854-867.	2.0	142
8	Aminergic Control and Modulation of Honeybee Behaviour. Current Neuropharmacology, 2006, 4, 259-276.	2.9	137
9	Characterization of a Dopamine D1 Receptor from <i>Apis mellifera:</i> Cloning, Functional Expression, Pharmacology, and mRNA Localization in the Brain. Journal of Neurochemistry, 1998, 70, 15-23.	3.9	136
10	Distribution of serotonin (5-HT) and its receptors in the insect brain with focus on the mushroom bodies. Lessons from Drosophila melanogaster and Apis mellifera. Arthropod Structure and Development, 2011, 40, 381-394.	1.4	97
11	Characterization of the 5-HT1A receptor of the honeybee (Apis mellifera) and involvement of serotonin in phototactic behavior. Cellular and Molecular Life Sciences, 2010, 67, 2467-2479.	5.4	90
12	Analysis of two D1-like dopamine receptors from the honey bee Apis mellifera reveals agonist-independent activity. Molecular Brain Research, 2003, 113, 67-77.	2.3	89
13	Plant essential oils and formamidines as insecticides/acaricides: what are the molecular targets?. Apidologie, 2012, 43, 334-347.	2.0	85
14	The role of serotonin in feeding and gut contractions in the honeybee. Journal of Insect Physiology, 2014, 61, 8-15.	2.0	79
15	Am5-HT7: molecular and pharmacological characterization of the first serotonin receptor of the honeybee (Apis mellifera). Journal of Neurochemistry, 2006, 98, 1985-1998.	3.9	63
16	The aminergic control of cockroach salivary glands. Archives of Insect Biochemistry and Physiology, 2006, 62, 141-152.	1.5	55
17	Suitability of three common reference genes for quantitative real-time PCR in honey bees. Apidologie, 2013, 44, 342-350.	2.0	54
18	Large-scale monitoring of effects of clothianidin-dressed oilseed rape seeds on pollinating insects in Northern Germany: effects on honey bees (Apis mellifera). Ecotoxicology, 2016, 25, 1648-1665.	2.4	52

#	Article	IF	Citations
19	Molecular characterization and localization of the first tyramine receptor of the American cockroach (Periplaneta americana). Neuroscience, 2009, 162, 1120-1133.	2.3	51
20	Hormone-induced assembly and activation of V-ATPase in blowfly salivary glands is mediated by protein kinase A. American Journal of Physiology - Cell Physiology, 2008, 294, C56-C65.	4.6	49
21	Behavioural pharmacology of dopamine, serotonin and putative aminergic ligands in the mushroom bodies of the honeybee (Apis mellifera). Behavioural Brain Research, 1998, 96, 115-124.	2.2	48
22	Developmental expression of a tyramine receptor gene in the brain of the honey bee,Apis mellifera. Journal of Comparative Neurology, 2005, 483, 66-75.	1.6	44
23	Large-scale monitoring of effects of clothianidin-dressed oilseed rape seeds on pollinating insects in northern Germany: residues of clothianidin in pollen, nectar and honey. Ecotoxicology, 2016, 25, 1691-1701.	2.4	43
24	The cloning, phylogenetic relationship and distribution pattern of two new putative GPCR-type octopamine receptors in the desert locust (Schistocerca gregaria). Journal of Insect Physiology, 2010, 56, 868-875.	2.0	38
25	Molecular and Pharmacological Characterization of Serotonin 5-HT2Î± and 5-HT7 Receptors in the Salivary Glands of the Blowfly Calliphora vicina. PLoS ONE, 2012, 7, e49459.	2.5	38
26	Function and Distribution of 5-HT2 Receptors in the Honeybee (Apis mellifera). PLoS ONE, 2013, 8, e82407.	2.5	35
27	AmTAR2: Functional characterization of a honeybee tyramine receptor stimulating adenylyl cyclase activity. Insect Biochemistry and Molecular Biology, 2017, 80, 91-100.	2.7	34
28	The effects of dopamine receptor agonists and antagonists on the secretory rate of cockroach (Periplaneta americana) salivary glands. Journal of Insect Physiology, 2004, 50, 821-830.	2.0	32
29	Inverse agonist and neutral antagonist actions of synthetic compounds at an insect 5â€HT₁ receptor. British Journal of Pharmacology, 2010, 159, 1450-1462.	5.4	30
30	Protein and Peptide Composition of Male Accessory Glands of Apis mellifera Drones Investigated by Mass Spectrometry. PLoS ONE, 2015, 10, e0125068.	2.5	27
31	Neurons with dopamine-like immunoreactivity target mushroom body Kenyon cell somata in the brain of some hymenopteran insects. Arthropod Structure and Development, 1999, 28, 203-210.	0.4	24
32	Dm5-HT2B: Pharmacological Characterization of the Fifth Serotonin Receptor Subtype of Drosophila melanogaster. Frontiers in Systems Neuroscience, 2017, 11, 28.	2.5	23
33	Cockroach GABAB receptor subtypes: Molecular characterization, pharmacological properties and tissue distribution. Neuropharmacology, 2015, 88, 134-144.	4.1	22
34	Characterization of an Invertebrate-Type Dopamine Receptor of the American Cockroach, Periplaneta americana. International Journal of Molecular Sciences, 2014, 15, 629-653.	4.1	21
35	Characterization of [3H]LSD binding to a serotonin-sensitive site in honeybee (Apis mellifera) brain. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1995, 112, 377-384.	1.6	15
36	Protein secretion in cockroach salivary glands requires an increase in intracellular cAMP and Ca2+ concentrations. Journal of Insect Physiology, 2005, 51, 1083-1091.	2.0	15

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37	Pharmacology of serotonin-induced salivary secretion in Periplaneta americana. Journal of Insect Physiology, 2007, 53, 774-781.	2.0	15
38	AmOctÎ±2R: Functional Characterization of a Honeybee Octopamine Receptor Inhibiting Adenylyl Cyclase Activity. International Journal of Molecular Sciences, 2020, 21, 9334.	4.1	14
39	Neuronally produced versican V2 renders Câ€fiber nociceptors <scp>IB</scp>₄â€positive. Journal of Neurochemistry, 2015, 134, 147-155.	3.9	12
40	PeaTAR1B: Characterization of a Second Type 1 Tyramine Receptor of the American Cockroach, Periplaneta americana. International Journal of Molecular Sciences, 2017, 18, 2279.	4.1	12
41	Source, topography and excitatory effects of GABAergic innervation in cockroach salivary glands. Journal of Experimental Biology, 2009, 212, 126-136.	1.7	11
42	Molecular characterization of theebony gene from the American cockroach,Periplaneta americana. Archives of Insect Biochemistry and Physiology, 2005, 59, 184-195.	1.5	10
43	Preface: Cellular actions of biogenic amines. Archives of Insect Biochemistry and Physiology, 2005, 59, 99-102.	1.5	10
44	Vâ€ATPase deactivation in blowfly salivary glands is mediated by protein phosphatase 2C. Archives of Insect Biochemistry and Physiology, 2009, 71, 130-138.	1.5	7
45	Secretory cells in honeybee hypopharyngeal gland: polarized organization and age-dependent dynamics of plasma membrane. Cell and Tissue Research, 2016, 366, 163-174.	2.9	6
46	Characterization of a Ca2+/calmodulin-dependent AC1 adenylyl cyclase in a non-neuronal tissue, the blowfly salivary gland. Cell Calcium, 2012, 52, 103-112.	2.4	5
47	PaOctÎ²2R: Identification and Functional Characterization of an Octopamine Receptor Activating Adenylyl Cyclase Activity in the American Cockroach Periplaneta americana. International Journal of Molecular Sciences, 2022, 23, 1677.	4.1	4
48	Biogenic Amines. , 2009, , 80-82.		2
49	Intracellular pH regulation in unstimulated<i>Calliphora</i>salivary glands is Na+ dependent and requires V-ATPase activity. Journal of Experimental Biology, 2012, 215, 1337-1345.	1.7	2
50	Large-scale monitoring of effects of clothianidin-dressed oilseed rape seeds on pollinating insects in Northern Germany: justification of study design and statistical analysis. Ecotoxicology, 2018, 27, 8-11.	2.4	1