

Monique Gauthier

List of Publications by Year in descending order

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41
papers

2,458
citations

236925

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docs citations

42
times ranked

1864
citing authors

#	ARTICLE	IF	CITATIONS
1	Subchronic exposure of honeybees to sublethal doses of pesticides: Effects on behavior. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 113-122.	4.3	260
2	Imidacloprid impairs memory and brain metabolism in the honeybee (<i>Apis mellifera</i> L.). <i>Pesticide Biochemistry and Physiology</i> , 2004, 78, 83-92.	3.6	221
3	Effects of Sublethal Doses of Acetamiprid and Thiamethoxam on the Behavior of the Honeybee (<i>Apis</i>) Tj ETQq1 1 0,784314 rgBT /Ove	4.1	181
4	The nicotinic acetylcholine receptor gene family of the honey bee, <i>Apis mellifera</i> . <i>Genome Research</i> , 2006, 16, 1422-1430.	5.5	153
5	The insecticide imidacloprid is a partial agonist of the nicotinic receptor of honeybee Kenyon cells. <i>Neuroscience Letters</i> , 2002, 321, 13-16.	2.1	140
6	Effects of sublethal doses of fipronil on the behavior of the honeybee (<i>Apis mellifera</i>). <i>Pharmacology Biochemistry and Behavior</i> , 2005, 82, 30-39.	2.9	138
7	Contrasting Effects of Imidacloprid on Habituation in 7- and 8-Day-Old Honeybees (<i>Apis mellifera</i>). <i>Neurobiology of Learning and Memory</i> , 2001, 76, 183-191.	1.9	115
8	Honeybee tracking with microchips: a new methodology to measure the effects of pesticides. <i>Ecotoxicology</i> , 2011, 20, 429-437.	2.4	105
9	Acetylcholine, GABA and glutamate induce ionic currents in cultured antennal lobe neurons of the honeybee, <i>Apis mellifera</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2005, 191, 823-836.	1.6	96
10	Memory impairment induced by cholinergic antagonists injected into the mushroom bodies of the honeybee. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2001, 187, 249-254.	1.6	87
11	State of the Art on Insect Nicotinic Acetylcholine Receptor Function in Learning and Memory. <i>Advances in Experimental Medicine and Biology</i> , 2010, 683, 97-115.	1.6	78
12	Electrophysiological and behavioural characterization of gustatory responses to antennal "bitter" taste in honeybees. <i>European Journal of Neuroscience</i> , 2005, 22, 3161-3170.	2.6	77
13	Study of nicotinic acetylcholine receptors on cultured antennal lobe neurones from adult honeybee brains. <i>Invertebrate Neuroscience</i> , 2008, 8, 19-29.	1.8	66
14	Insights from honeybee (<i>Apis mellifera</i>) and fly (<i>Drosophila melanogaster</i>) nicotinic acetylcholine receptors: From genes to behavioral functions. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 1553-1564.	6.1	65
15	Mecamylamine-induced impairment of acquisition and retrieval of olfactory conditioning in the honeybee. <i>Behavioural Brain Research</i> , 1996, 81, 215-222.	2.2	50
16	Involvement of α -bungarotoxin-sensitive nicotinic receptors in long-term memory formation in the honeybee (<i>Apis mellifera</i>). <i>Neurobiology of Learning and Memory</i> , 2006, 86, 164-174.	1.9	49
17	Glutamatergic and GABAergic effects of fipronil on olfactory learning and memory in the honeybee. <i>Invertebrate Neuroscience</i> , 2009, 9, 91-100.	1.8	47
18	Nicotine injected into the antennal lobes induces a rapid modulation of sucrose threshold and improves short-term memory in the honeybee <i>Apis mellifera</i> . <i>Brain Research</i> , 2005, 1039, 216-219.	2.2	45

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19	Homomeric RDL and Heteromeric RDL/LCCH3 GABA Receptors in the Honeybee Antennal Lobes: Two Candidates for Inhibitory Transmission in Olfactory Processing. <i>Journal of Neurophysiology</i> , 2010, 103, 458-468.	1.8	42
20	Expression patterns of nicotinic subunits $\hat{1}\pm 2$, $\hat{1}\pm 7$, $\hat{1}\pm 8$, and $\hat{1}\pm 21$ affect the kinetics and pharmacology of ACh-induced currents in adult bee olfactory neuropiles. <i>Journal of Neurophysiology</i> , 2011, 106, 1604-1613.	1.8	40
21	Behavioral studies on tarsal gustation in honeybees: sucrose responsiveness and sucrose-mediated olfactory conditioning. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2008, 194, 861-869.	1.6	39
22	Inhibitory neurotransmission and olfactory memory in honeybees. <i>Neurobiology of Learning and Memory</i> , 2008, 90, 589-595.	1.9	38
23	Effects of intracranial injections of scopolamine on olfactory conditioning retrieval in the honeybee. <i>Behavioural Brain Research</i> , 1994, 63, 145-149.	2.2	36
24	Effects of the Muscarinic Antagonists Atropine and Pirenzepine on Olfactory Conditioning in the Honeybee. <i>Pharmacology Biochemistry and Behavior</i> , 1998, 59, 903-907.	2.9	31
25	Taste perception in honeybees: just a taste of honey?. <i>Arthropod-Plant Interactions</i> , 2007, 1, 69-76.	1.1	29
26	Late post-learning effect of entorhinal cortex electrical stimulation persists despite destruction of the perforant path. <i>Brain Research</i> , 1984, 310, 174-179.	2.2	27
27	Late post-learning participation of entorhinal cortex in memory processes. <i>Brain Research</i> , 1982, 233, 255-264.	2.2	25
28	Behavioral effects of bilateral entorhinal cortex lesions in the balb/c mouse. <i>Behavioral and Neural Biology</i> , 1981, 33, 419-436.	2.2	24
29	Functional cytochrome oxidase histochemistry in the honeybee brain. <i>Brain Research</i> , 2000, 859, 390-393.	2.2	21
30	Regional brain variations of cytochrome oxidase staining during olfactory learning in the honeybee (<i>Apis mellifera</i>).. <i>Behavioral Neuroscience</i> , 2003, 117, 540-547.	1.2	21
31	Neurotransmitter Systems in the Honey Bee Brain: Functions in Learning and Memory. , 2012, , 155-169.		21
32	Modulatory effect of learning and memory on honey bee brain acetylcholinesterase activity. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1992, 103, 91-95.	0.2	18
33	Amel $\hat{1}\pm 8$ subunit knockdown in the mushroom body vertical lobes impairs olfactory retrieval in the honeybee, <i>Apis mellifera</i> . <i>European Journal of Neuroscience</i> , 2012, 36, 3438-3450.	2.6	14
34	Effect of high-frequency radiations on survival of the honeybee (<i>Apis mellifera</i> L.). <i>Apidologie</i> , 2016, 47, 703-710.	2.0	14
35	Antennal movements as indicators of odor detection by worker honeybees. <i>Apidologie</i> , 2005, 36, 119-126.	2.0	12
36	A New Attempt to Assess the Effect of Learning Processes on the Cholinergic System: Studies on Fruitflies and Honeybees. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 119, 349-353.	1.6	10

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37	Sequential Intervention of Different Limbic Structures in Memory Processes. <i>Advances in Behavioral Biology</i> , 1985, , 183-192.	0.2	8
38	Dissociation of limbic structures by pharmacological effects of diazepam on electrical self-stimulation in the mouse. <i>Brain Research</i> , 1984, 302, 196-200.	2.2	7
39	Nicotinic acetylcholine receptor ligands differently affect cytochrome oxidase in the Honeybee brain. <i>Neuroscience Letters</i> , 2001, 304, 97-101.	2.1	7
40	Lesion of the temporo-ammonic perforant path facilitates self-stimulation of the lateral entorhinal cortex in mice. <i>Brain Research</i> , 1985, 344, 377-381.	2.2	1
41	Involvement of the Entorhinal Cortex in Memory Processes: Differentiation of Lateral and Medial Parts. <i>Advances in Behavioral Biology</i> , 1985, , 560-560.	0.2	0