

Osmar Malaspina

List of Publications by Year in descending order

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81
papers

2,248
citations

186265

28
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254184

43
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docs citations

84
times ranked

2113
citing authors

#	ARTICLE	IF	CITATIONS
1	Jelleines: a family of antimicrobial peptides from the Royal Jelly of honeybees (<i>Apis mellifera</i>). <i>Peptides</i> , 2004, 25, 919-928.	2.4	253
2	Profiling the proteome complement of the secretion from hypopharyngeal gland of Africanized nurse-honeybees (<i>L.</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 85-91.	2.7	115
3	Side effects of thiamethoxam on the brain and midgut of the africanized honeybee <i>Apis mellifera</i> (Hymenoptera: Apidae). <i>Environmental Toxicology</i> , 2014, 29, 1122-1133.	4.0	98
4	Cytotoxic effects of thiamethoxam in the midgut and malpighian tubules of Africanized <i>Apis mellifera</i> (Hymenoptera: Apidae). <i>Microscopy Research and Technique</i> , 2014, 77, 274-281.	2.2	94
5	In vitro effects of thiamethoxam on larvae of Africanized honey bee <i>Apis mellifera</i> (Hymenoptera: Tj ETQq1 1 0.784314 rgBT / Overlock 74	8.2	74
6	Morphological alterations induced by boric acid and fipronil in the midgut of worker honeybee (<i>Apis</i>) Tj ETQq0 0 0 rgBT / Overlock 10 TF 5	8.3	63
7	Exposure to a sublethal concentration of imidacloprid and the side effects on target and nontarget organs of <i>Apis mellifera</i> (Hymenoptera, Apidae). <i>Ecotoxicology</i> , 2018, 27, 109-121.	2.4	60
8	Exposure of larvae to thiamethoxam affects the survival and physiology of the honey bee at post-embryonic stages. <i>Environmental Pollution</i> , 2017, 229, 386-393.	7.5	59
9	Effects of sublethal doses of imidacloprid in malpighian tubules of africanized <i>Apis mellifera</i> (Hymenoptera, Apidae). <i>Microscopy Research and Technique</i> , 2013, 76, 552-558.	2.2	56
10	Biological activity of astilbin from <i>Dimorphandra mollis</i> against <i>Anticarsia gemmatalis</i> and <i>Spodoptera frugiperda</i> . <i>Pest Management Science</i> , 2002, 58, 503-507.	3.4	55
11	Pesticide Exposure Assessment Paradigm for Stingless Bees. <i>Environmental Entomology</i> , 2019, 48, 36-48.	1.4	53
12	MALDI Imaging Analysis of Neuropeptides in the Africanized Honeybee (<i>Apis mellifera</i>) Brain: Effect of Ontogeny. <i>Journal of Proteome Research</i> , 2014, 13, 3054-3064.	3.7	46
13	Enfraquecimento e perda de colônias de abelhas no Brasil: hã; casos de CCD?. <i>Pesquisa Agropecuaria Brasileira</i> , 2016, 51, 422-442.	0.9	46
14	Oral Toxicity of Fipronil Insecticide Against the Stingless Bee <i>Melipona scutellaris</i> (Latreille, 1811). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 921-924.	2.7	41
15	Acute Toxicity of Fipronil to the Stingless Bee <i>Scaptotrigona postica</i> Latreille. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 90, 69-72.	2.7	41
16	Exposure to thiamethoxam during the larval phase affects synapsin levels in the brain of the honey bee. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 523-528.	6.0	40
17	Can the exposure of <i>Apis mellifera</i> (Hymenoptera, Apiadae) larvae to a field concentration of thiamethoxam affect newly emerged bees?. <i>Chemosphere</i> , 2017, 185, 56-66.	8.2	39
18	Determination of acute lethal doses (LD50 and LC50) of imidacloprid for the native bee <i>Melipona scutellaris</i> Latreille, 1811 (Hymenoptera: Apidae). <i>Sociobiology</i> , 2016, 62, .	0.5	39

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19	Effects of Sublethal Dose of Fipronil on Neuron Metabolic Activity of Africanized Honeybees. Archives of Environmental Contamination and Toxicology, 2013, 64, 456-466.	4.1	38
20	Nanopesticide based on botanical insecticide pyrethrum and its potential effects on honeybees. Chemosphere, 2019, 236, 124282.	8.2	38
21	Brain Morphophysiology of Africanized Bee <i>Apis mellifera</i> Exposed to Sublethal Doses of Imidacloprid. Archives of Environmental Contamination and Toxicology, 2013, 65, 234-243.	4.1	37
22	<i>Allium cepa</i> and <i>Tradescantia pallida</i> bioassays to evaluate effects of the insecticide imidacloprid. Chemosphere, 2015, 120, 438-442.	8.2	37
23	Late effect of larval co-exposure to the insecticide clothianidin and fungicide pyraclostrobin in Africanized <i>Apis mellifera</i> . Scientific Reports, 2019, 9, 3277.	3.3	35
24	Cellular responses in the Malpighian tubules of <i>Scaptotrigona postica</i> (Latreille, 1807) exposed to low doses of fipronil and boric acid. Micron, 2013, 46, 57-65.	2.2	34
25	Toxicity of Imidacloprid to the Stingless Bee <i>Scaptotrigona postica</i> Latreille, 1807 (Hymenoptera: Tj ETQq1 1 0.784314 rgBT/Overlock 2.7 34	2.7	34
26	Effects of <i>Nosema ceranae</i> and thiametoxam in <i>Apis mellifera</i> : A comparative study in Africanized and Carniolan honey bees. Chemosphere, 2016, 147, 328-336.	8.2	34
27	Impact of fipronil on the mushroom bodies of the stingless bee <i>Scaptotrigona postica</i> . Pest Management Science, 2015, 71, 114-122.	3.4	33
28	Modification of the brain proteome of Africanized honeybees (<i>Apis mellifera</i>) exposed to a sublethal doses of the insecticide fipronil. Ecotoxicology, 2014, 23, 1659-1670.	2.4	30
29	Liver alterations in <i>Oreochromis niloticus</i> (Pisces) induced by insecticide imidacloprid: Histopathology and heat shock protein localization. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2016, 51, 881-887.	1.5	30
30	Occurrence of virus, microsporidia, and pesticide residues in three species of stingless bees (Apidae: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 1.6 27	1.6	27
31	Evaluation of the genotoxicity/mutagenicity and antigenotoxicity/antimutagenicity induced by propolis and <i>Baccharis dracunculifolia</i> , by in vitro study with HTC cells. Toxicology in Vitro, 2016, 33, 9-15.	2.4	25
32	MALDI Imaging Analysis of Neuropeptides in Africanized Honeybee (<i>Apis mellifera</i>) Brain: Effect of Aggressiveness. Journal of Proteome Research, 2018, 17, 2358-2369.	3.7	24
33	Biochemical response of the Africanized honeybee exposed to fipronil. Environmental Toxicology and Chemistry, 2017, 36, 1652-1660.	4.3	22
34	MALDI imaging analyses of honeybee brains exposed to a neonicotinoid insecticide. Pest Management Science, 2019, 75, 607-615.	3.4	22
35	Fungicide pyraclostrobin affects midgut morphophysiology and reduces survival of Brazilian native stingless bee <i>Melipona scutellaris</i> . Ecotoxicology and Environmental Safety, 2020, 206, 111395.	6.0	22
36	Toxicological and Histopathological Effects of Boric Acid on <i>Atta sexdens rubropilosa</i> (Hymenoptera: Formicidae) Workers. Journal of Economic Entomology, 2010, 103, 676-690.	1.8	21

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37	Genotoxic Potential of the Insecticide Imidacloprid in a Non-Target Organism (<i>Oreochromis niloticus</i>-Pisces). Journal of Environmental Protection, 2015, 06, 1360-1367.	0.7	21
38	EVOLUTION AND POPULATION STRUCTURE OF AFRICANIZED HONEY BEES IN BRAZIL: EVIDENCE FROM SPATIAL ANALYSIS OF MORPHOMETRIC DATA. Evolution; International Journal of Organic Evolution, 1995, 49, 1172-1179.	2.3	20
39	Antigenotoxicity and antimutagenicity of ethanolic extracts of Brazilian green propolis and its main botanical source determined by the <i>Allium cepa</i> test system. Genetics and Molecular Biology, 2016, 39, 257-269.	1.3	20
40	In vitro larval rearing protocol for the stingless bee species <i>Melipona scutellaris</i> for toxicological studies. PLoS ONE, 2019, 14, e0213109.	2.5	20
41	Production of the First Effective Hyperimmune Equine Serum Antivenom against Africanized Bees. PLoS ONE, 2013, 8, e79971.	2.5	20
42	Geographic variation in <i>Apis cerana indica</i> : a spatial autocorrelation analysis of morphometric patterns. Journal of Apicultural Research, 1993, 32, 65-72.	1.5	19
43	<i>Apis mellifera</i> and <i>Melipona scutellaris</i> exhibit differential sensitivity to thiamethoxam. Environmental Pollution, 2021, 268, 115770.	7.5	18
44	Electrochemical Sensor Based on Beeswax and Carbon Black Thin Biofilms for Determination of Paraquat in <i>Apis mellifera</i> Honey. Food Analytical Methods, 2021, 14, 606-615.	2.6	18
45	In Situ Metabolomics of the Honeybee Brain: The Metabolism of L-Arginine through the Polyamine Pathway in the Proboscis Extension Response (PER). Journal of Proteome Research, 2020, 19, 832-844.	3.7	17
46	What is the most suitable native bee species from the Neotropical region to be proposed as model-organism for toxicity tests during the larval phase?. Environmental Pollution, 2020, 265, 114849.	7.5	16
47	Toxicity of <i>Dimorphandra mollis</i> to Workers of <i>Apis mellifera</i> . Journal of the Brazilian Chemical Society, 2002, 13, 115-118.	0.6	15
48	Toxicity of barbatimão to <i>Apis mellifera</i> and <i>Scaptotrigona postica</i> , under laboratory conditions. Journal of Apicultural Research, 2003, 42, 9-12.	1.5	15
49	Semi-quantitative analysis of morphological changes in bee tissues: A toxicological approach. Chemosphere, 2019, 236, 124255.	8.2	15
50	Biological Data of Stingless Bees with Potential Application in Pesticide Risk Assessments. Sociobiology, 2018, 65, 777.	0.5	15
51	Acute thiamethoxam toxicity in honeybees is not enhanced by common fungicide and herbicide and lacks stress-induced changes in mRNA splicing. Scientific Reports, 2019, 9, 19196.	3.3	14
52	STUDY ON SINEACAR EFFECTIVENESS IN CONTROLLING VARROA JACOBSONI. Apidologie, 1981, 12, 289-297.	2.0	14
53	Foragers of Africanized honeybee are more sensitive to fungicide pyraclostrobin than newly emerged bees. Environmental Pollution, 2020, 266, 115267.	7.5	13
54	Thiamethoxam exposure deregulates short ORF gene expression in the honey bee and compromises immune response to bacteria. Scientific Reports, 2021, 11, 1489.	3.3	13

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55	Comparative physiology of Malpighian tubules: form and function. Open Access Insect Physiology, 2016, , 13.	0.8	12
56	Enzymatic responses in the head and midgut of Africanized <i>Apis mellifera</i> contaminated with a sublethal concentration of thiamethoxam. Ecotoxicology and Environmental Safety, 2021, 223, 112581.	6.0	12
57	Influence of the insecticide pyriproxyfen on the flight muscle differentiation of <i>Apis mellifera</i> (Hymenoptera, Apidae). Microscopy Research and Technique, 2012, 75, 844-848.	2.2	11
58	Suscetibilidade de operárias e larvas de abelhas sociais em relação à ricinina. Iheringia - Serie Zoologia, 2009, 99, 61-65.	0.5	9
59	Profiling the proteomics in honeybee worker brains submitted to the proboscis extension reflex. Journal of Proteomics, 2017, 151, 131-144.	2.4	7
60	Using a toxicoproteomic approach to investigate the effects of thiamethoxam into the brain of <i>Apis mellifera</i> . Chemosphere, 2020, 258, 127362.	8.2	7
61	Variation in honey yield per hive of Africanized bees depending on the introducing time of young queens. Ciencia Rural, 2016, 46, 895-900.	0.5	6
62	Cellular and molecular effects of silymarin on the transdifferentiation processes of LX-2 cells and its connection with lipid metabolism. Molecular and Cellular Biochemistry, 2020, 468, 129-142.	3.1	6
63	Number of Ovarioles in Workers Descendent from Crossings Between Africanized and Italian Honeybees (<i>Apis mellifera</i> L.): Comparing Stock, Inbred and F1 Colonies. Neotropical Entomology, 1996, 25, 501-506.	0.2	6
64	Number of ovarioles in workers descendent from crossings between Africanized and Italian honeybees, <i>Apis mellifera</i> L.: comparison among backcrosses and ancestors colonies. Neotropical Entomology, 1998, 27, 237-243.	0.2	5
65	Standardization of in vitro nervous tissue culture for honeybee: A high specificity toxicological approach. Ecotoxicology and Environmental Safety, 2020, 189, 110040.	6.0	5
66	A high quality method for hemolymph collection from honeybee larvae. PLoS ONE, 2020, 15, e0234637.	2.5	5
67	Toxic effects of methanolic and dichloromethane extracts of flowers and peduncles of <i>Stryphnodendron adstringens</i> (Leguminosae: Mimosoideae) on <i>Apis mellifera</i> and <i>Scaptotrigona postica</i> workers. Journal of Apicultural Research, 2006, 45, 112-116.	1.5	4
68	Sublethal doses of fipronil intensify synapsin immunostaining in <i>Atta sexdens rubropilosa</i> (Hymenoptera: Formicidae) brains. Pest Management Science, 2016, 72, 907-912.	3.4	4
69	A food-ingested sublethal concentration of thiamethoxam has harmful effects on the stingless bee <i>Melipona scutellaris</i> . Chemosphere, 2022, 288, 132461.	8.2	4
70	The modulatory effect of triclosan on the reversion of the activated phenotype of LX-2 hepatic stellate cells. Journal of Biochemical and Molecular Toxicology, 2020, 34, e22413.	3.0	3
71	Use of beeswax as an alternative binder in the development of composite electrodes: an approach for determination of hydrogen peroxide in honey samples. Electrochimica Acta, 2021, 390, 138876.	5.2	3
72	Study of the length of the mouthparts of Africanized, Caucasian and Africanized/Caucasian honey bee crosses, and relationships between glossa size and food gathering behavior. Genetics and Molecular Biology, 1998, 21, 465-470.	1.3	3

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73	Method for maintaining adult solitary bee <i>Centris analis</i> under laboratory conditions. <i>Methods in Ecology and Evolution</i> , 2022, 13, 619-624.	5.2	3
74	Brazilian Propolis Production by Africanized Bees (<i>Apis mellifera</i>). <i>Bee World</i> , 2015, 92, 58-68.	0.8	2
75	Effects of larval exposure to the fungicide pyraclostrobin on the post-embryonic development of Africanized <i>Apis mellifera</i> workers. <i>Environmental Advances</i> , 2021, 4, 100069.	4.8	2
76	Is the Water Supply a Key Factor in Stingless Bees' Intoxication?. <i>Journal of Insect Science</i> , 2020, 20, .	1.5	2
77	The functional activity of the miR-1914-5p in lipid metabolism of the hepatocarcinoma cell line HepG2: a potential molecular tool for controlling hepatic cellular migration. <i>Molecular Biology Reports</i> , 2021, 48, 3463-3474.	2.3	1
78	Propolis green biofilm for the immobilization of carbon nanotubes and metallic ions: Development of redox catalysts. <i>Journal of Electroanalytical Chemistry</i> , 2021, 900, 115747.	3.8	1
79	Análise de caracteres morfológicos e comportamentais em abelhas africanizadas, caucasianas e em descendentes dos seus cruzamentos. <i>Revista Brasileira De Zoologia</i> , 1989, 6, 63-73.	0.5	1
80	Optimization of in vitro culture of honeybee nervous tissue for pesticide risk assessment. <i>Toxicology in Vitro</i> , 2022, 84, 105437.	2.4	1
81	Monitoring the effects of field exposure of acetamiprid to honey bee colonies in Eucalyptus monoculture plantations. <i>Science of the Total Environment</i> , 2022, 844, 157030.	8.0	0