

Leda Rita Faroni

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

2,309
citations

218677

26
h-index

254184

43
g-index

104
all docs

104
docs citations

104
times ranked

1868
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphine resistance, respiration rate and fitness consequences in stored-product insects. <i>Pest Management Science</i> , 2007, 63, 876-881.	3.4	178
2	Phosphine resistance in Brazilian populations of <i>Sitophilus zeamais</i> Motschulsky (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	2.6	147
3	Efficacy of ozone as a fungicidal and detoxifying agent of aflatoxins in peanuts. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 899-905.	3.5	104
4	Spread of phosphine resistance among brazilian populations of three species of stored product insects. <i>Neotropical Entomology</i> , 2010, 39, 101-107.	1.2	98
5	Ozone as a management alternative against phosphine-resistant insect pests of stored products. <i>Journal of Stored Products Research</i> , 2008, 44, 379-385.	2.6	93
6	Effects of ozone treatment on postharvest carrot quality. <i>LWT - Food Science and Technology</i> , 2018, 90, 53-60.	5.2	75
7	Developmental and population growth rates of phosphine-resistant and -susceptible populations of stored-product insect pests. <i>Journal of Stored Products Research</i> , 2009, 45, 241-246.	2.6	72
8	Locomotory and physiological responses induced by clove and cinnamon essential oils in the maize weevil <i>Sitophilus zeamais</i> . <i>Pesticide Biochemistry and Physiology</i> , 2015, 125, 31-37.	3.6	67
9	Potential use of clove and cinnamon essential oils to control the bean weevil, <i>Acanthoscelides obtectus</i> Say, in small storage units. <i>Industrial Crops and Products</i> , 2014, 56, 27-34.	5.2	63
10	Ozone treatment for pesticide removal from carrots: Optimization by response surface methodology. <i>Food Chemistry</i> , 2018, 243, 435-441.	8.2	61
11	Sublethal Exposure to Clove and Cinnamon Essential Oils Induces Hormetic-Like Responses and Disturbs Behavioral and Respiratory Responses in <i>Sitophilus zeamais</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 303	3.0	50
12	PHë Postharvest Technology. <i>Biosystems Engineering</i> , 2001, 80, 65-80.	0.4	45
13	Lethal and sublethal responses of <i>Sitophilus zeamais</i> populations to essential oils. <i>Journal of Pest Science</i> , 2017, 90, 589-600.	3.7	41
14	Resistance of stored-product insects to phosphine. <i>Pesquisa Agropecuaria Brasileira</i> , 2008, 43, 1671-1676.	0.9	39
15	Treatment of synthetic milk industry wastewater using batch dissolved air flotation. <i>Journal of Cleaner Production</i> , 2018, 189, 729-737.	9.3	37
16	Fumigant toxicity of allyl isothiocyanate to populations of the red flour beetle <i>Tribolium castaneum</i> . <i>Journal of Stored Products Research</i> , 2011, 47, 238-243.	2.6	36
17	Phosphineëinduced walking response of the lesser grain borer (<i>Rhyzopertha dominica</i>). <i>Pest Management Science</i> , 2012, 68, 1368-1373.	3.4	36
18	Bioactivity of <i>Jatropha curcas</i> L. to insect pests of stored products. <i>Journal of Stored Products Research</i> , 2012, 48, 111-113.	2.6	35

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19	Hermetic storage for control of common bean weevil, <i>Acanthoscelides obtectus</i> (Say). <i>Journal of Stored Products Research</i> , 2016, 66, 1-5.	2.6	35
20	Degradation kinetics of pirimiphos-methyl residues in maize grains exposed to ozone gas. <i>Journal of Stored Products Research</i> , 2017, 74, 1-5.	2.6	35
21	Toxicity to, oviposition and population growth impairments of <i>Callosobruchus maculatus</i> exposed to clove and cinnamon essential oils. <i>PLoS ONE</i> , 2018, 13, e0207618.	2.5	34
22	Botanical extracts of plants from the Brazilian Cerrado for the integrated management of <i>Sitotroga cerealella</i> (Lepidoptera: Gelechiidae) in stored grain. <i>Journal of Stored Products Research</i> , 2014, 57, 6-11.	2.6	33
23	Effects of ozone fumigation treatment on the removal of residual difenoconazole from strawberries and on their quality. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014, 49, 94-101.	1.5	32
24	Effects of Continuous Exposure to Ozone Gas and Electrolyzed Water on the Skin Hardness of Table and Wine Grape Varieties. <i>Journal of Texture Studies</i> , 2016, 47, 40-48.	2.5	32
25	Influence of soybean storage conditions on crude oil quality. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2010, 14, 303-308.	1.1	30
26	Insecticidal fumigant action of mustard essential oil against <i>Sitophilus zeamais</i> in maize grains. <i>Crop Protection</i> , 2012, 34, 56-58.	2.1	28
27	Decomposition kinetics of gaseous ozone in peanuts. <i>Engenharia Agricola</i> , 2011, 31, 930-939.	0.7	27
28	Use of ozone and detergent for removal of pesticides and improving storage quality of tomato. <i>Food Research International</i> , 2019, 125, 108626.	6.2	26
29	Allyl isothiocyanate actions on populations of <i>Sitophilus zeamais</i> resistant to phosphine: Toxicity, emergence inhibition and repellency. <i>Journal of Stored Products Research</i> , 2016, 69, 257-264.	2.6	25
30	Ozone Toxicity and Walking Response of Populations of <i>Sitophilus zeamais</i> (Coleoptera: Curculionidae). <i>Journal of Economic Entomology</i> , 2012, 105, 2187-2195.	1.8	24
31	Insecticidal activity of <i>Vanillosmopsis arborea</i> essential oil and of its major constituent α -bisabolol against <i>Callosobruchus maculatus</i> (Coleoptera: Chrysomelidae). <i>Scientific Reports</i> , 2019, 9, 3723.	3.3	24
32	Optimal Extraction of <i>Ocimum basilicum</i> Essential Oil by Association of Ultrasound and Hydrodistillation and Its Potential as a Biopesticide Against a Major Stored Grains Pest. <i>Molecules</i> , 2020, 25, 2781.	3.8	24
33	Potential of <i>Acarophenax lacunatus</i> (Prostigmata: Acarophenacidae) as a biological control agent of <i>Rhyzopertha dominica</i> (Coleoptera: Bostrichidae). <i>Journal of Stored Products Research</i> , 2000, 36, 55-63.	2.6	23
34	Effect of the ozonization process on the quality of peanuts and crude oil. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2011, 15, 154-160.	1.1	23
35	Toxicity and metabolic mechanisms underlying the insecticidal activity of parsley essential oil on bean weevil, <i>Callosobruchus maculatus</i> . <i>Journal of Pest Science</i> , 2017, 90, 723-733.	3.7	23
36	Ozone as fungicide in rice grains. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2016, 20, 230-235.	1.1	22

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37	Kinetics of the ozone gas reaction in popcorn kernels. <i>Journal of Stored Products Research</i> , 2019, 83, 168-175.	2.6	22
38	Postharvest quality of ozonized "nanicão" cv. bananas. <i>Revista Ciencia Agronomica</i> , 2013, 44, 107-114.	0.3	21
39	Ozone toxicity to <i>Sitophilus zeamais</i> (Coleoptera: Curculionidae) populations under selection pressure from ozone. <i>Journal of Stored Products Research</i> , 2016, 65, 1-5.	2.6	21
40	Toxicity and sublethal effects of allyl isothiocyanate to <i>Sitophilus zeamais</i> on population development and walking behavior. <i>Journal of Pest Science</i> , 2018, 91, 761-770.	3.7	19
41	Difenoconazole and linuron dissipation kinetics in carrots under open-field conditions. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 479-485.	6.0	18
42	Dissolved air flotation optimization for treatment of dairy effluents with organic coagulants. <i>Journal of Water Process Engineering</i> , 2020, 36, 101270.	5.6	18
43	Qualidade de grãos de milho armazenados em silos bolsa. <i>Revista Ciencia Agronomica</i> , 2010, 41, 200-207.	0.3	17
44	Perda de matéria seca em grãos de milho armazenados em bolsas herméticas. <i>Revista Ciencia Agronomica</i> , 2012, 43, 674-682.	0.3	17
45	Ozone as degradation agent of pesticide residues in stored rice grains. <i>Journal of Food Science and Technology</i> , 2017, 54, 4092-4099.	2.8	16
46	Diffusion and sorption of allyl isothiocyanate in the process of fumigation of maize. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2011, 15, 296-301.	1.1	14
47	Eugenol diffusion coefficient and its potential to control <i>Sitophilus zeamais</i> in rice. <i>Scientific Reports</i> , 2019, 9, 11161.	3.3	14
48	Effect of Temperature on Development and Population Growth of <i>Acarophenax lacunatus</i> (Cross & Krantz) (Prostigmata: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22). <i>Biocontrol Science and Technology</i> , 2001, 11, 5-12.	1.3	13
49	Persistence and activity towards <i>Sitophilus zeamais</i> (Coleoptera: Curculionidae) of pirimiphos-methyl sprayed at different temperatures on maize. <i>Journal of Stored Products Research</i> , 2002, 38, 167-175.	2.6	13
50	Phoretic load of the parasitic mite <i>Acarophenax lacunatus</i> (Cross & Krantz) (Prostigmata: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22).	2.6	13
51	Quality of maize grains treated with allyl isothiocyanate stored in hermetic bags. <i>Journal of Stored Products Research</i> , 2010, 46, 111-117.	2.6	13
52	Effects of Astilbin from <i>Dimorphandra mollis</i> (Fabaceae) Flowers and Brazilian Plant Extracts on <i>Sitophilus zeamais</i> (Coleoptera: Curculionidae). <i>Florida Entomologist</i> , 2014, 97, 892-901.	0.5	12
53	Aqueous ozone solutions for pesticide removal from potatoes. <i>Food Science and Technology International</i> , 2016, 22, 752-758.	2.2	12
54	Efficacy of ozone in the microbiological disinfection of maize grains. <i>Brazilian Journal of Food Technology</i> , 2018, 21, .	0.8	12

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55	Locomotor behavior of <i>Sitophilus zeamais</i> populations under sublethal ozone exposure. <i>Journal of Pest Science</i> , 2017, 90, 239-247.	3.7	11
56	CFD modelling of diffusive-reactive transport of ozone gas in rice grains. <i>Biosystems Engineering</i> , 2019, 179, 49-58.	4.3	11
57	Armazenamento de soja em silos tipo bolsa. <i>Engenharia Agricola</i> , 2009, 29, 91-100.	0.7	10
58	CFD simulation of ozone gas flow for controlling <i>Sitophilus zeamais</i> in rice grains. <i>Journal of Stored Products Research</i> , 2020, 88, 101675.	2.6	10
59	Ozone as a Fungicidal and Detoxifying Agent to Maize Contaminated with Fumonisin. <i>Ozone: Science and Engineering</i> , 2022, 44, 38-49.	2.5	10
60	Parasitism by the mite <i>Acarophenax lacunatus</i> on beetle pests of stored products. <i>BioControl</i> , 2003, 48, 503-513.	2.0	9
61	Host egg preference by the parasitic mite <i>Acarophenax lacunatus</i> (Prostigmata: Acarophenacidae). <i>Journal of Stored Products Research</i> , 2003, 39, 571-575.	2.6	9
62	Quality of beans stored under hermetic conditions. <i>Engenharia Agricola</i> , 2011, 31, 1136-1149.	0.7	9
63	Toxicological Stability of <i>Ocimum basilicum</i> Essential Oil and Its Major Components in the Control of <i>Sitophilus zeamais</i> . <i>Molecules</i> , 2021, 26, 6483.	3.8	9
64	Potential of <i>Tyrophagus putrescentiae</i> (Schrank) (Astigmata: Acaridae) for the Biological Control of <i>Lasioderma serricorne</i> (F.) (Coleoptera: Anobiidae). <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 299-303.	0.5	8
65	Experimental Design Optimization of Dairy Wastewater Ozonation Treatment. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	8
66	Host Potential and Adaptive Responses of <i>Drosophila suzukii</i> (Diptera: Drosophilidae) to Barbados Cherries. <i>Journal of Economic Entomology</i> , 2019, 112, 3002-3006.	1.8	8
67	Modelagem das perdas causadas por <i>Sitophilus zeamais</i> e <i>Rhyzopertha dominica</i> em trigo armazenado. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2003, 7, 292-296.	1.1	8
68	Development of a solid-liquid extraction method with low-temperature partitioning for the determination of insecticides in ozonized maize grain.. <i>Quimica Nova</i> , 2014, 37, .	0.3	8
69	UtilizaçŁo da fosfina em combinaçŁo com o diÓxido de carbono no controle do <i>Rhyzopertha dominica</i> (f.). <i>Pesquisa Agropecuaria Brasileira</i> , 2000, 35, 1063-1069.	0.9	7
70	AvaliaçŁo da qualidade tecnolÓgica do feijŁo durante o armazenamento. <i>Ciencia E Agrotecnologia</i> , 2008, 32, 517-524.	1.5	7
71	The efficacy of washing strategies in the elimination of fungicide residues and the alterations on the quality of bell peppers. <i>Food Research International</i> , 2021, 147, 110579.	6.2	7
72	Toxicidade da combinaçŁo de diÓxido de carbono e fosfina sob diferentes temperaturas para <i>Tribolium castaneum</i> . <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2010, 14, 881-886.	1.1	6

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73	Flight responses of <i>Sitotroga cerealella</i> (Lepidoptera: Gelechiidae) to corn kernel volatiles in a wind tunnel. <i>Arthropod-Plant Interactions</i> , 2013, 7, 651-658.	1.1	6
74	Ozone Injection at Low Pressure: Decomposition Kinetics, Control of <i>Sitophilus zeamais</i> , and Popcorn Kernel Quality. <i>Ozone: Science and Engineering</i> , 2022, 44, 66-78.	2.5	6
75	Ozone as an alternative fumigant for controlling <i>Callosobruchus maculatus</i> (F.) (Coleoptera: Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.8	6
76	Bioactivity of diatomaceous earth to <i>Sitophilus zeamais</i> (Coleoptera: Curculionidae) in different application conditions. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2013, 17, 982-986.	1.1	5
77	<i>Lasioderma serricorne</i> (Coleoptera: Anobiidae) in Stored <i>Matricaria recutita</i> (Asteraceae) in Brazil. <i>Florida Entomologist</i> , 2014, 97, 807-808.	0.5	5
78	Use of Ozonized Water to Control Anthracnose in Papaya (<i>Carica papaya</i> L.) and its Effect on the Quality of the Fruits. <i>Ozone: Science and Engineering</i> , 2021, 43, 384-393.	2.5	5
79	Pyrethroid-Acarophenax lacunatus interaction in suppressing the beetle <i>Rhyzopertha dominica</i> on stored wheat. <i>Experimental and Applied Acarology</i> , 2002, 26, 231-242.	1.6	4
80	Ozone Treatment for the Removal of Residual Chlorothalonil and Effects on the Quality of Table Grapes. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	4
81	POST-HARVEST QUALITY OF OZONATED MACAUBA FRUITS FOR BIODIESEL PRODUCTION. <i>Revista Caatinga</i> , 2019, 32, 92-100.	0.7	4
82	Evaluation of the Persistence of Linalool and Estragole in Maize Grains via Headspace Solid-Phase Microextraction and Gas Chromatography. <i>Food Analytical Methods</i> , 2021, 14, 217-229.	2.6	4
83	Fumigant toxicity of eugenol and its negative effects on biological development of <i>Callosobruchus maculatus</i> L. <i>Revista De Ciencias Agrícolas</i> , 2019, 36, 5-15.	0.2	4
84	<i>Lasioderma serricorne</i> (Coleoptera: Anobiidae): First Report on Black Sesame (<i>Sesamum indicum</i>). <i>Journal of Food Protection</i> , 2017, 80, 1941-1943.	1.7	2
85	EMERGENCE RATE OF THE MEXICAN BEAN WEEVIL IN VARIETIES OF BEANS FROM THE SOUTHWESTERN AMAZON. <i>Revista Caatinga</i> , 2018, 31, 1048-1053.	0.7	2
86	Headspace Solid-Phase Microextraction: Validation of the Method and Determination of Allyl Isothiocyanate Persistence in Cowpea Beans. <i>ACS Omega</i> , 2020, 5, 21364-21373.	3.5	2
87	Parasitism of the mite <i>Acarophenax lacunatus</i> on <i>Tribolium castaneum</i> . <i>Pesquisa Agropecuaria Brasileira</i> , 2006, 41, 1059-1061.	0.9	2
88	Associação de deltametrina com <i>Acarophenax lacunatus</i> e seu impacto sobre o desenvolvimento de <i>Rhyzopertha dominica</i> . <i>Pesquisa Agropecuaria Brasileira</i> , 2006, 41, 1235-1240.	0.9	2
89	Potential of diatomaceous earth as a management tool against <i>Acanthoscelides obtectus</i> infestations. <i>Revista De Ciencias Agrícolas</i> , 2019, 36, 42-51.	0.2	2
90	Method Validation and Evaluation of Safrole Persistence in Cowpea Beans Using Headspace Solid-Phase Microextraction and Gas Chromatography. <i>Molecules</i> , 2021, 26, 6914.	3.8	2

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91	Macauba fruits preserved by combining drying and ozonation methods for biodiesel production. <i>Ozone: Science and Engineering</i> , 2023, 45, 41-49.	2.5	2
92	Diatomaceous earth effects on weevils with different susceptibility standard to phosphine. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2012, 16, 309-313.	1.1	1
93	Walking stability of <i>Rhyzopertha dominica</i> (Fabricius, 1792) (Coleoptera: Bostrichidae). <i>Brazilian Journal of Biology</i> , 2016, 76, 568-576.	0.9	1
94	Behavioral and physiological responses induced by ozone in five Brazilian populations of <i>Rhyzopertha dominica</i> . <i>Journal of Stored Products Research</i> , 2017, 72, 111-116.	2.6	1
95	Interaction between organophosphate insecticides and the parasitic mite <i>Acarophenax lacunatus</i> (Prostigmata: Acarophenacidae) on <i>Rhyzopertha dominica</i> (Coleoptera: Bostrichidae). <i>Biocontrol Science and Technology</i> , 2004, 14, 251-260.	1.3	0
96	Computational Study of Anaerobiosis Acceleration in Hermetic Storage of Maize using Oxygen Depletion. , 2007, , .		0
97	Computational study of oxygen infiltration due to damage in the silo bag surface. , 2007, , .		0