

Kandaswamy Kalaivani

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,684
citations

236833

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39
docs citations

39
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of neem limonoids on the malaria vector <i>Anopheles stephensi</i> Liston (Diptera: Culicidae). <i>Acta Tropica</i> , 2005, 96, 47-55.	0.9	152
2	Effect of azadirachtin on acetylcholinesterase (AChE) activity and histology of the brown planthopper <i>Nilaparvata lugens</i> (Stål). <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 244-250.	2.9	118
3	Botanical essential oils and uses as mosquitocides and repellents against dengue. <i>Environment International</i> , 2018, 113, 214-230.	4.8	99
4	Anti-dengue efficacy of bioactive andrographolide from <i>Andrographis paniculata</i> (Lamiaceae). <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 163-167.	0.9	88
5	Effects of <i>Dysoxylum malabaricum</i> Bedd. (Meliaceae) extract on the malarial vector <i>Anopheles stephensi</i> Liston (Diptera: Culicidae). <i>Bioresource Technology</i> , 2006, 97, 2077-2083.	4.8	75
6	Biological activity of selected Lamiaceae and Zingiberaceae plant essential oils against the dengue vector <i>Aedes aegypti</i> L. (Diptera: Culicidae). <i>Parasitology Research</i> , 2012, 110, 1261-1268.	0.6	66
7	Developmental response of <i>Spodoptera litura</i> Fab. to treatments of crude volatile oil from Piper betle L. and evaluation of toxicity to earthworm, <i>Eudrilus eugeniae</i> Kinb.. <i>Chemosphere</i> , 2016, 155, 336-347.	4.2	64
8	Toxicity and physiological effects of neem pesticides applied to rice on the <i>Nilaparvata lugens</i> Stål, the brown planthopper. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1707-1713.	2.9	60
9	Effect of methyl salicylate (MeSA), an elicitor on growth, physiology and pathology of resistant and susceptible rice varieties. <i>Scientific Reports</i> , 2016, 6, 34498.	1.6	59
10	Efficacy of neem limonoids on <i>Cnaphalocrocis medinalis</i> (Guenée) (Lepidoptera: Pyralidae) the rice leaffolder. <i>Crop Protection</i> , 2005, 24, 760-763.	1.0	56
11	Target and non-target toxicity of botanical insecticide derived from <i>Couroupita guianensis</i> L. flower against generalist herbivore, <i>Spodoptera litura</i> Fab. and an earthworm, <i>Eisenia foetida</i> Savigny. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 260-270.	2.9	54
12	Toxicity and physiological effect of quercetin on generalist herbivore, <i>Spodoptera litura</i> Fab. and a non-target earthworm <i>Eisenia foetida</i> Savigny. <i>Chemosphere</i> , 2016, 165, 257-267.	4.2	53
13	Effect of neem limonoids on lactate dehydrogenase (LDH) of the rice leaffolder, <i>Cnaphalocrocis medinalis</i> (Guenée) (Insecta: Lepidoptera: Pyralidae). <i>Chemosphere</i> , 2006, 62, 1388-1393.	4.2	49
14	Comparative analysis of mosquito (Diptera: Culicidae: <i>Aedes aegypti</i> Liston) responses to the insecticide Temephos and plant derived essential oil derived from Piper betle L.. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 439-446.	2.9	49
15	Effects of jasmonic acid-induced resistance in rice on the plant brownhopper, <i>Nilaparvata lugens</i> Stål (Homoptera: Delphacidae). <i>Pesticide Biochemistry and Physiology</i> , 2009, 95, 77-84.	1.6	48
16	Impact of <i>Terminalia chebula</i> Retz. against <i>Aedes aegypti</i> L. and non-target aquatic predatory insects. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 210-217.	2.9	45
17	Behavioural responses and changes in biology of rice leaffolder following treatment with a combination of bacterial toxins and botanical insecticides. <i>Chemosphere</i> , 2006, 64, 1650-1658.	4.2	44
18	The toxicity and behavioural effects of neem limonoids on <i>Cnaphalocrocis medinalis</i> (Guenée), the rice leaffolder. <i>Chemosphere</i> , 2006, 62, 1381-1387.	4.2	43

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19	Toxicological effects of <i>Sphaeranthus indicus</i> Linn. (Asteraceae) leaf essential oil against human disease vectors, <i>Culex quinquefasciatus</i> Say and <i>Aedes aegypti</i> Linn., and impacts on a beneficial mosquito predator. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10294-10306.	2.7	41
20	Potential mode of action of a novel plumbagin as a mosquito repellent against the malarial vector <i>Anopheles stephensi</i> , (Culicidae: Diptera). <i>Pesticide Biochemistry and Physiology</i> , 2016, 134, 84-93.	1.6	35
21	Acute toxicity of chemical pesticides and plant-derived essential oil on the behavior and development of earthworms, <i>Eudrilus eugeniae</i> (Kinberg) and <i>Eisenia fetida</i> (Savigny). <i>Environmental Science and Pollution Research</i> , 2018, 25, 10371-10382.	2.7	35
22	Chemicals isolated from <i>Justicia adhatoda</i> Linn reduce fitness of the mosquito, <i>Aedes aegypti</i> L. <i>Archives of Insect Biochemistry and Physiology</i> , 2017, 94, e21384.	0.6	31
23	A novel herbal product based on Piper betle and <i>Sphaeranthus indicus</i> essential oils: Toxicity, repellent activity and impact on detoxifying enzymes GST and CYP450 of <i>Aedes aegypti</i> Liston (Diptera: Tj ETQq1 0.0.7843134rgBT /Ov		
24	The toxicity and physiological effect of goniothalamin, a styryl-pyrone, on the generalist herbivore, <i>Spodoptera exigua</i> H&Aner. <i>Chemosphere</i> , 2008, 72, 1393-1400.	4.2	29
25	Target and non-target response of <i>Swietenia Mahagoni</i> Jacq. chemical constituents against tobacco cutworm <i>Spodoptera litura</i> Fab. and earthworm, <i>Eudrilus eugeniae</i> Kinb. <i>Chemosphere</i> , 2018, 199, 35-43.	4.2	28
26	Response of <i>Spodoptera litura</i> Fab. (Lepidoptera: Noctuidae) larvae to <i>Citrullus colocynthis</i> L. (Cucurbitales: Cucurbitaceae) chemical constituents: Larval tolerance, food utilization and detoxifying enzyme activities. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 16-28.	1.3	24
27	Effect of Methyl Salicylate (MeSA) induced changes in rice plant (<i>Oryza sativa</i>) that affect growth and development of the rice leaffolder, <i>Cnaphalocrocis medinalis</i> . <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 116-126.	1.3	24
28	Toxicological effects of chemical constituents from Piper against the environmental burden <i>Aedes aegypti</i> Liston and their impact on non-target toxicity evaluation against biomonitoring aquatic insects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10434-10446.	2.7	23
29	Biological activity of chitosan inducing resistance efficiency of rice (<i>Oryza sativa</i> L.) after treatment with fungal based chitosan. <i>Scientific Reports</i> , 2021, 11, 20488.	1.6	23
30	Effect of biopesticides on the lactate dehydrogenase (LDH) of the rice leaffolder, <i>Cnaphalocrocis medinalis</i> (Guen&E) (Insecta: Lepidoptera: Pyralidae). <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 102-107.	2.9	21
31	Target and non-target botanical pesticides effect of <i>Trichodesma indicum</i> (Linn) R. Br. and their chemical derivatives against the dengue vector, <i>Aedes aegypti</i> L.. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16303-16315.	2.7	21
32	Development of an eco-friendly mosquitocidal agent from <i>Alangium salvifolium</i> against the dengue vector <i>Aedes aegypti</i> and its biosafety on the aquatic predator. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10340-10352.	2.7	16
33	Volatile toxin of <i>Limonia acidissima</i> (L.) produced larvicidal, developmental, repellent, and adulticidal toxicity effects on <i>Aedes aegypti</i> (L.). <i>Toxin Reviews</i> , 2022, 41, 119-128.	1.5	16
34	Effects of temperature and nonionizing ultraviolet radiation treatments of eggs of five host insects on production of <i>Trichogramma chilonis</i> Ishii (Hymenoptera: Trichogrammatidae) for biological control applications. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 1139-1144.	0.4	15
35	Toxicity and behavioral effect of β , γ , δ -trihydroxycycloartane and beddomei lactone on the rice leaffolder <i>Cnaphalocrocis medinalis</i> (Guen&E) (Lepidoptera: Pyralidae). <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1156-1162.	2.9	14
36	Comparative efficacy of two mycotoxins against <i>Spodoptera litura</i> Fab. And their non-target activity against <i>Eudrilus eugeniae</i> Kinb.. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109474.	2.9	13

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37	RNA Interference Suppression of v-ATPase B and Juvenile Hormone Binding Protein Genes Through Topically Applied dsRNA on Tomato Leaves: Developing Biopesticides to Control the South American Pinworm, <i>Tuta absoluta</i> (Lepidoptera: Gelechiidae). <i>Frontiers in Physiology</i> , 2021, 12, 742871.	1.3	10
38	Eco-friendly formulation of wild <i>Bacillus thuringiensis</i> secondary metabolites through molecular characterization against the lepidopteran pest. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 93-104.	1.3	8
39	Larvicidal and repellent activity of N-methyl-1-adamantylamine and oleic acid a major derivative of bael tree ethanol leaf extracts against dengue mosquito vector and their biosafety on natural predator. <i>Environmental Science and Pollution Research</i> , 2022, 29, 15654-15663.	2.7	4