Kandaswamy Kalaivani

List of Publications by Year
in descending order

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39 papers	1,684 citations	236833 25 h-index	302012 39 g-index
39 all docs	39 docs citations	39 times ranked	1220 citing authors

#	Article	IF	Citations
1	Volatile toxin ofLimonia acidissima(L.) produced larvicidal, developmental, repellent, and adulticidal toxicity effects onAedes aegypti(L.). Toxin Reviews, 2022, 41, 119-128.	1.5	16
2	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. Environmental Science and Pollution Research, 2022, 29, 15654-15663.	2.7	4
3	Biological activity of chitosan inducing resistance efficiency of rice (Oryza sativa L.) after treatment with fungal based chitosan. Scientific Reports, 2021, 11, 20488.	1.6	23
4	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, Tuta absoluta (Lepidoptera: Gelechiidae). Frontiers in Physiology, 2021, 12, 742871.	1.3	10
5	Comparative efficacy of two mycotoxins against Spodoptera litura Fab. And their non-target activity against Eudrilus eugeniae Kinb.. Ecotoxicology and Environmental Safety, 2019, 183, 109474.	2.9	13
6	Target and non-target botanical pesticides effect of Trichodesma indicum (Linn) R. Br. and their chemical derivatives against the dengue vector, Aedes aegypti L.. Environmental Science and Pollution Research, 2019, 26, 16303-16315.	2.7	21
7	Botanical essential oils and uses as mosquitocides and repellents against dengue. Environment International, 2018, 113, 214-230.	4.8	99
8	Target and non-target response of Swietenia Mahagoni Jacq. chemical constituents against tobacco cutworm Spodoptera litura Fab. and earthworm, Eudrilus eugeniae Kinb. Chemosphere, 2018, 199, 35-43.	4.2	28
9	Response of Spodoptera litura Fab. (Lepidoptera: Noctuidae) larvae to Citrullus colocynthis L. (Cucurbitales: Cucurbitaceae) chemical constituents: Larval tolerance, food utilization and detoxifying enzyme activities. Physiological and Molecular Plant Pathology, 2018, 101, 16-28.	1.3	24
10	Toxicological effects of Sphaeranthus indicus Linn. (Asteraceae) leaf essential oil against human disease vectors, Culex quinquefasciatus Say and Aedes aegypti Linn., and impacts on a beneficial mosquito predator. Environmental Science and Pollution Research, 2018, 25, 10294-10306.	2.7	41
11	Acute toxicity of chemical pesticides and plant-derived essential oil on the behavior and development of earthworms, Eudrilus eugeniae (Kinberg) and Eisenia fetida (Savigny). Environmental Science and Pollution Research, 2018, 25, 10371-10382.	2.7	35
12	Development of an eco-friendly mosquitocidal agent from Alangium salvifolium against the dengue vector Aedes aegypti and its biosafety on the aquatic predator. Environmental Science and Pollution Research, 2018, 25, 10340-10352.	2.7	16
13	Effect of Methyl Salicylate (MeSA) induced changes in rice plant (OryzaÂsativa) that affect growth and development of the rice leaffolder, Cnaphalocrocis medinalis. Physiological and Molecular Plant Pathology, 2018, 101, 116-126.	1.3	24
14	Toxicological effects of chemical constituents from Piper against the environmental burden Aedes aegypti Liston and their impact on non-target toxicity evaluation against biomonitoring aquatic insects. Environmental Science and Pollution Research, 2018, 25, 10434-10446.	2.7	23
15	Eco-friendly formulation of wild Bacillus thuringiensis secondary metabolites through molecular characterization against the lepidopteran pest. Physiological and Molecular Plant Pathology, 2018, 101, 93-104.	1.3	8
16	A novel herbal product based on Piper betle and Sphaeranthus indicus essential oils: Toxicity, repellent activity and impact on detoxifying enzymes GST and CYP450 of Aedes aegypti Liston (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10	0.0	31
17	Comparative analysis of mosquito (Diptera: Culicidae: Aedes aegypti Liston) responses to the insecticide Temephos and plant derived essential oil derived from Piper betle L.. Ecotoxicology and Environmental Safety, 2017, 139, 439-446.	2.9	49
18	Chemicals isolated from Justicia adhatoda Linn reduce fitness of the mosquito, Aedes aegypti L. Archives of Insect Biochemistry and Physiology, 2017, 94, e21384.	0.6	31

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19	Impact of Terminalia chebula Retz. against Aedes aegypti L. and non-target aquatic predatory insects. Ecotoxicology and Environmental Safety, 2017, 137, 210-217.	2.9	45
20	Potential mode of action of a novel plumbagin as a mosquito repellent against the malarial vector Anopheles stephensi, (Culicidae: Diptera). Pesticide Biochemistry and Physiology, 2016, 134, 84-93.	1.6	35
21	Developmental response of Spodoptera litura Fab. to treatments of crude volatile oil from Piper betle L. and evaluation of toxicity to earthworm, Eudrilus eugeniae Kinb.. Chemosphere, 2016, 155, 336-347.	4.2	64
22	Toxicity and physiological effect of quercetin on generalist herbivore, Spodoptera litura Fab. and a non-target earthworm Eisenia fetida Savigny. Chemosphere, 2016, 165, 257-267.	4.2	53
23	Effects of temperature and nonionizing ultraviolet radiation treatments of eggs of five host insects on production of Trichogramma chilonis Ishii (Hymenoptera: Trichogrammatidae) for biological control applications. Journal of Asia-Pacific Entomology, 2016, 19, 1139-1144.	0.4	15
24	Target and non-target toxicity of botanical insecticide derived from Couroupita guianensis L. flower against generalist herbivore, Spodoptera litura Fab. and an earthworm, Eisenia foetida Savigny. Ecotoxicology and Environmental Safety, 2016, 133, 260-270.	2.9	54
25	Anti-dengue efficacy of bioactive andrographolide from Andrographis paniculata (Lamiales:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 163, 167-178.	0.9	88
26	Effect of methyl salicylate (MeSA), an elicitor on growth, physiology and pathology of resistant and susceptible rice varieties. Scientific Reports, 2016, 6, 34498.	1.6	59
27	Biological activity of selected Lamiaceae and Zingiberaceae plant essential oils against the dengue vector Aedes aegypti L. (Diptera: Culicidae). Parasitology Research, 2012, 110, 1261-1268.	0.6	66
28	Effects of jasmonic acid-induced resistance in rice on the plant brownhopper, Nilaparvata lugens StÃ¥l (Homoptera: Delphacidae). Pesticide Biochemistry and Physiology, 2009, 95, 77-84.	1.6	48
29	Toxicity and behavioral effect of 3Î²,24,25-trihydroxycycloartane and beddomei lactone on the rice leaffolder Cnaphalocrocis medinalis (GuenÃ©e) (Lepidoptera: Pyralidae). Ecotoxicology and Environmental Safety, 2009, 72, 1156-1162.	2.9	14
30	Toxicity and physiological effects of neem pesticides applied to rice on the Nilaparvata lugens StÃ¥l, the brown planthopper. Ecotoxicology and Environmental Safety, 2009, 72, 1707-1713.	2.9	60
31	Effect of azadirachtin on acetylcholinesterase (AChE) activity and histology of the brown planthopper Nilaparvata lugens (StÃ¥l). Ecotoxicology and Environmental Safety, 2008, 70, 244-250.	2.9	118
32	The toxicity and physiological effect of goniothalamin, a styryl-pyrone, on the generalist herbivore, Spodoptera exigua HÃ¼bner. Chemosphere, 2008, 72, 1393-1400.	4.2	29
33	Effect of neem limonoids on lactate dehydrogenase (LDH) of the rice leaffolder, Cnaphalocrocis medinalis (GuenÃ©e) (Insecta: Lepidoptera: Pyralidae). Chemosphere, 2006, 62, 1388-1393.	4.2	49
34	The toxicity and behavioural effects of neem limonoids on Cnaphalocrocis medinalis (GuenÃ©e), the rice leaffolder. Chemosphere, 2006, 62, 1381-1387.	4.2	43
35	Behavioural responses and changes in biology of rice leaffolder following treatment with a combination of bacterial toxins and botanical insecticides. Chemosphere, 2006, 64, 1650-1658.	4.2	44
36	Effect of biopesticides on the lactate dehydrogenase (LDH) of the rice leaffolder, Cnaphalocrocis medinalis (GuenÃ©e) (Insecta: Lepidoptera: Pyralidae). Ecotoxicology and Environmental Safety, 2006, 65, 102-107.	2.9	21

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37	Effects of Dysoxylum malabaricum Bedd. (Meliaceae) extract on the malarial vector Anopheles stephensi Liston (Diptera: Culicidae). Bioresource Technology, 2006, 97, 2077-2083.	4.8	75
38	Efficacy of neem limonoids on Cnaphalocrocis medinalis (GuenÃ©e) (Lepidoptera: Pyralidae) the rice leaffolder. Crop Protection, 2005, 24, 760-763.	1.0	56
39	Effects of neem limonoids on the malaria vector Anopheles stephensi Liston (Diptera: Culicidae). Acta Tropica, 2005, 96, 47-55.	0.9	152