Jayapal Subramaniam

List of Publications by Year
in descending order

48 papers	3,064 citations	136740 32 h-index	205818 48 g-index
49 all docs	49 docs citations	49 times ranked	2126 citing authors

#	Article	IF	Citations
1	Salvia leucantha essential oil encapsulated in chitosan nanoparticles with toxicity and feeding physiology of cotton bollworm Helicoverpa armigera. , 2022, , 159-181.		1
2	Synthesis of new series of quinoline derivatives with insecticidal effects on larval vectors of malaria and dengue diseases. Scientific Reports, 2022, 12, 4765.	1.6	19
3	Zinc oxide nanoparticles using plant Lawsonia inermis and their mosquitocidal, antimicrobial, anticancer applications showing moderate side effects. Scientific Reports, 2021, 11, 8837.	1.6	30
4	Efficacy and side effects of bio-fabricated sardine fish scale silver nanoparticles against malarial vector Anopheles stephensi. Scientific Reports, 2021, 11, 19567.	1.6	8
5	Iron and iron oxide nanoparticles are highly toxic to Culex quinquefasciatus with little non-target effects on larvivorous fishes. Environmental Science and Pollution Research, 2018, 25, 10504-10514.	2.7	33
6	Swift Fabrication of Silver Nanoparticles Using Bougainvillea glabra: Potential Against the Japanese Encephalitis Vector, Culex tritaeniorhynchus Giles (Diptera: Culicidae). Journal of Cluster Science, 2017, 28, 37-58.	1.7	24
7	Mangrove Helps: Sonneratia alba-Synthesized Silver Nanoparticles Magnify Guppy Fish Predation Against Aedes aegypti Young Instars and Down-Regulate the Expression of Envelope (E) Gene in Dengue Virus (Serotype DEN-2). Journal of Cluster Science, 2017, 28, 437-461.	1.7	23
8	Nanofabrication of Graphene Quantum Dots with High Toxicity Against Malaria Mosquitoes, Plasmodium falciparum and MCF-7 Cancer Cells: Impact on Predation of Non-target Tadpoles, Odonate Nymphs and Mosquito Fishes. Journal of Cluster Science, 2017, 28, 393-411.	1.7	31
9	Magnetic nanoparticles are highly toxic to chloroquine-resistant Plasmodium falciparum, dengue virus (DEN-2), and their mosquito vectors. Parasitology Research, 2017, 116, 495-502.	0.6	46
10	Do Chenopodium ambrosioides-Synthesized Silver Nanoparticles Impact Oryzias melastigma Predation Against Aedes albopictus Larvae?. Journal of Cluster Science, 2017, 28, 413-436.	1.7	20
11	One pot synthesis of silver nanocrystals using the seaweed Gracilaria edulis: biophysical characterization and potential against the filariasis vector Culex quinquefasciatus and the midge Chironomus circumdatus. Journal of Applied Phycology, 2017, 29, 649-659.	1.5	26
12	Neem by-products in the fight against mosquito-borne diseases: Biotoxicity of neem cake fractions towards the rural malaria vector Anopheles culicifacies (Diptera: Culicidae). Asian Pacific Journal of Tropical Biomedicine, 2016, 6, 472-476.	0.5	13
13	Eco-friendly drugs from the marine environment: spongeweed-synthesized silver nanoparticles are highly effective on Plasmodium falciparum and its vector Anopheles stephensi, with little non-target effects on predatory copepods. Environmental Science and Pollution Research, 2016, 23, 16671-16685.	2.7	56
14	Fabrication of nano-mosquitocides using chitosan from crab shells: Impact on non-target organisms in the aquatic environment. Ecotoxicology and Environmental Safety, 2016, 132, 318-328.	2.9	37
15	Do Nanomosquitocides Impact Predation of Mesocyclops edax Copepods Against Anopheles stephensi Larvae?. Parasitology Research Monographs, 2016, , 173-190.	0.4	2
16	Hydrothermal synthesis of titanium dioxide nanoparticles: mosquitocidal potential and anticancer activity on human breast cancer cells (MCF-7). Parasitology Research, 2016, 115, 1085-1096.	0.6	110
17	In vivo and in vitro effectiveness of Azadirachta indica-synthesized silver nanocrystals against Plasmodium berghei and Plasmodium falciparum, and their potential against malaria mosquitoes. Research in Veterinary Science, 2016, 106, 14-22.	0.9	71
18	Multipurpose effectiveness of Couroupita guianensis-synthesized gold nanoparticles: high antiplasmodial potential, field efficacy against malaria vectors and synergy with Aplocheilus lineatus predators. Environmental Science and Pollution Research, 2016, 23, 7543-7558.	2.7	111

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19	Earthworm-mediated synthesis of silver nanoparticles: A potent tool against hepatocellular carcinoma, Plasmodium falciparum parasites and malaria mosquitoes. Parasitology International, 2016, 65, 276-284.	0.6	73
20	Characterization and mosquitocidal potential of neem cake-synthesized silver nanoparticles: genotoxicity and impact on predation efficiency of mosquito natural enemies. Parasitology Research, 2016, 115, 1015-1025.	0.6	58
21	Green-synthesised nanoparticles from Melia azedarach seeds and the cyclopoid crustacean Cyclops vernalis: an eco-friendly route to control the malaria vector Anopheles stephensi?. Natural Product Research, 2016, 30, 2077-2084.	1.0	16
22	Fern-synthesized nanoparticles in the fight against malaria: LC/MS analysis of Pteridium aquilinum leaf extract and biosynthesis of silver nanoparticles with high mosquitocidal and antiplasmodial activity. Parasitology Research, 2016, 115, 997-1013.	0.6	108
23	Carbon and silver nanoparticles in the fight against the filariasis vector Culex quinquefasciatus: genotoxicity and impact on behavioral traits of non-target aquatic organisms. Parasitology Research, 2016, 115, 1071-1083.	0.6	39
24	DNA barcoding and molecular evolution of mosquito vectors of medical and veterinary importance. Parasitology Research, 2016, 115, 107-121.	0.6	60
25	Fighting arboviral diseases: low toxicity on mammalian cells, dengue growth inhibition (in vitro), and mosquitocidal activity of Centroceras clavulatum-synthesized silver nanoparticles. Parasitology Research, 2016, 115, 651-662.	0.6	82
26	Rapid biosynthesis of silver nanoparticles usingCrotalaria verrucosaleaves against the dengue vectorAedes aegypti: what happens around? An analysis of dragonfly predatory behaviour after exposure at ultra-low doses. Natural Product Research, 2016, 30, 826-833.	1.0	21
27	S argassum muticum-synthesized silver nanoparticles: an effective control tool against mosquito vectors and bacterial pathogens. Parasitology Research, 2015, 114, 4305-4317.	0.6	130
28	Seaweed-synthesized silver nanoparticles: an eco-friendly tool in the fight against Plasmodium falciparum and its vector Anopheles stephensi?. Parasitology Research, 2015, 114, 4087-4097.	0.6	91
29	Biosynthesis, mosquitocidal and antibacterial properties of Toddalia asiatica-synthesized silver nanoparticles: do they impact predation of guppy Poecilia reticulata against the filariasis mosquito Culex quinquefasciatus?. Environmental Science and Pollution Research, 2015, 22, 17053-17064.	2.7	53
30	Mosquitocidal and antiplasmodial activity of Senna occidentalis (Cassiae) and Ocimum basilicum (Lamiaceae) from Maruthamalai hills against Anopheles stephensi and Plasmodium falciparum. Parasitology Research, 2015, 114, 3657-3664.	0.6	59
31	Characterization and biotoxicity of Hypnea musciformis-synthesized silver nanoparticles as potential eco-friendly control tool against Aedes aegypti and Plutella xylostella. Ecotoxicology and Environmental Safety, 2015, 121, 31-38.	2.9	176
32	Green-synthesized silver nanoparticles as a novel control tool against dengue virus (DEN-2) and its primary vector Aedes aegypti. Parasitology Research, 2015, 114, 3315-3325.	0.6	184
33	Predation by Asian bullfrog tadpoles, Hoplobatrachus tigerinus, against the dengue vector, Aedes aegypti, in an aquatic environment treated with mosquitocidal nanoparticles. Parasitology Research, 2015, 114, 3601-3610.	0.6	101
34	Toxicity of seaweed-synthesized silver nanoparticles against the filariasis vector Culex quinquefasciatus and its impact on predation efficiency of the cyclopoid crustacean Mesocyclops longisetus. Parasitology Research, 2015, 114, 2243-2253.	0.6	144
35	Tackling the growing threat of dengue: Phyllanthus niruri-mediated synthesis of silver nanoparticles and their mosquitocidal properties against the dengue vector Aedes aegypti (Diptera: Culicidae). Parasitology Research, 2015, 114, 1551-1562.	0.6	180
36	Cymbopogon citratus-synthesized gold nanoparticles boost the predation efficiency of copepod Mesocyclops aspericornis against malaria and dengue mosquitoes. Experimental Parasitology, 2015, 153, 129-138.	0.5	230

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37	Aristolochia indica green-synthesized silver nanoparticles: A sustainable control tool against the malaria vector Anopheles stephensi?. Research in Veterinary Science, 2015, 102, 127-135.	0.9	43
38	Datura metel-synthesized silver nanoparticles magnify predation of dragonfly nymphs against the malaria vector Anopheles stephensi. Parasitology Research, 2015, 114, 4645-4654.	0.6	52
39	Nanoparticles in the fight against mosquito-borne diseases: bioactivity of Bruguiera cylindrica-synthesized nanoparticles against dengue virus DEN-2 (in vitro) and its mosquito vector Aedes aegypti (Diptera: Culicidae). Parasitology Research, 2015, 114, 4349-4361.	0.6	63
40	Eco-friendly control of malaria and arbovirus vectors using the mosquitofish Gambusia affinis and ultra-low dosages of Mimusops elengi-synthesized silver nanoparticles: towards an integrative approach?. Environmental Science and Pollution Research, 2015, 22, 20067-20083.	2.7	94
41	Larvicidal efficacy of Catharanthus roseus Linn. (Family: Apocynaceae) leaf extract and bacterial insecticide Bacillus thuringiensis against Anopheles stephensi Liston.. Asian Pacific Journal of Tropical Medicine, 2013, 6, 847-853.	0.4	21
42	Evaluation of leaf aqueous extract and synthesized silver nanoparticles using Nerium oleander against Anopheles stephensi (Diptera: Culicidae). Parasitology Research, 2013, 112, 981-990.	0.6	100
43	Adulticidal and repellent properties of Cassia tora Linn. (Family: Caesalpinaceae) against Culex quinquefasciatus, Aedes aegypti, and Anopheles stephensi. Parasitology Research, 2012, 111, 1953-1964.	0.6	32
44	Mosquito larvicidal activity of Aloe vera (Family: Liliaceae) leaf extract and Bacillus sphaericus, against Chikungunya vector, Aedes aegypti. Saudi Journal of Biological Sciences, 2012, 19, 503-509.	1.8	46
45	Laboratory and field evaluation of medicinal plant extracts against filarial vector, Culex quinquefasciatus Say (Diptera: Culicidae). Parasitology Research, 2012, 110, 2105-2115.	0.6	31
46	Mosquito larvicidal and pupicidal efficacy of Solanum xanthocarpum (Family: Solanaceae) leaf extract and bacterial insecticide, Bacillus thuringiensis, against Culex quinquefasciatus Say (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377		
47	Mosquitocidal properties of Calotropis gigantea (Family: Asclepiadaceae) leaf extract and bacterial insecticide, Bacillus thuringiensis, against the mosquito vectors. Parasitology Research, 2012, 111, 531-544.	0.6	25
48	Mosquitocidal activity of Solanum xanthocarpum fruit extract and copepod Mesocyclops thermocyclopoides for the control of dengue vector Aedes aegypti. Parasitology Research, 2012, 111, 609-618.	0.6	41