

Panneerselvam Chellasamy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

3,226
citations

33
h-index

56
g-index

78
ext. papers

3,614
ext. citations

3.2
avg, IF

4.91
L-index

#	Paper	IF	Citations
77	Bovine serum albumin functionalized blue emitting Ti C MXene Quantum Dots as a sensitive fluorescence probe for Fe ions detection and its toxicity analysis.. <i>Luminescence</i> , 2022 ,	2.5	4
76	Cigarette butt waste derived activated carbon incorporated silver nanoparticle (AC-Ag): Effective nanocomposite for anti-bacterial and anti-larval activity in wastewater remediation. <i>Materials Letters</i> , 2022 , 313, 131809	3.3	0
75	Synthesis of new series of quinoline derivatives with insecticidal effects on larval vectors of malaria and dengue diseases.. <i>Scientific Reports</i> , 2022 , 12, 4765	4.9	4
74	Post treated PEDOT-PSS films with excellent conductivity and optical properties as multifunctional flexible electrodes for possible optoelectronic and energy storage applications. <i>Optical Materials</i> , 2022 , 125, 112109	3.3	5
73	Anticancer activity of bioactive compound chavicol as potential toxic against human lung cancer A549 cells. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 103442	4.5	
72	Insecticidal, antibacterial and dye adsorbent properties of Sargassum muticum decorated nano-silver particles. <i>South African Journal of Botany</i> , 2021 , 139, 432-441	2.9	3
71	Efficacy and side effects of bio-fabricated sardine fish scale silver nanoparticles against malarial vector Anopheles stephensi. <i>Scientific Reports</i> , 2021 , 11, 19567	4.9	1
70	Ultrasonic Technology Applied against Mosquito Larvae. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3546	2.6	3
69	Seed dispersal by ungulates in the point calimere wildlife sanctuary: A scientific and perspective analysis. <i>Saudi Journal of Biological Sciences</i> , 2020 , 27, 2790-2797	4	1
68	Efficacy of chitosan silver nanoparticles from shrimp-shell wastes against major mosquito vectors of public health importance. <i>Green Processing and Synthesis</i> , 2020 , 9, 675-684	3.9	5
67	Encapsulation of sea fennel (<i>Crithmum maritimum</i>) essential oil in nanoemulsion and SiO ₂ nanoparticles for treatment of the crop pest <i>Spodoptera litura</i> and the dengue vector <i>Aedes aegypti</i> . <i>Industrial Crops and Products</i> , 2020 , 158, 113033	5.9	12
66	Phytochemical analysis of <i>Rhazya stricta</i> extract and its use in fabrication of silver nanoparticles effective against mosquito vectors and microbial pathogens. <i>Science of the Total Environment</i> , 2020 , 700, 134443	10.2	24
65	One-Step Synthesis of Ag Nanoparticles Using Aqueous Extracts from Sundarbans Mangroves Revealed High Toxicity on Major Mosquito Vectors and Microbial Pathogens. <i>Journal of Cluster Science</i> , 2020 , 31, 177-184	3	12
64	(Ethkher) ameliorates cadmium induced toxicity in swiss albino mice. <i>Saudi Journal of Biological Sciences</i> , 2019 , 26, 1875-1881	4	5
63	Bismuth Oxyiodide Nanoflakes Showed Toxicity Against the Malaria Vector <i>Anopheles stephensi</i> and In Vivo Antiplasmodial Activity. <i>Journal of Cluster Science</i> , 2018 , 29, 337-344	3	7
62	The desert wormwood (<i>Artemisia herba-alba</i>) - From Arabian folk medicine to a source of green and effective nanoinsecticides against mosquito vectors. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018 , 180, 225-234	6.7	23
61	Suaeda maritima -based herbal coils and green nanoparticles as potential biopesticides against the dengue vector <i>Aedes aegypti</i> and the tobacco cutworm <i>Spodoptera litura</i> . <i>Physiological and Molecular Plant Pathology</i> , 2018 , 101, 225-235	2.6	44

60	Sargassum wightii -synthesized ZnO nanoparticles reduce the fitness and reproduction of the malaria vector Anopheles stephensi and cotton bollworm Helicoverpa armigera. <i>Physiological and Molecular Plant Pathology</i> , 2018 , 101, 202-213	2.6	43
59	Managing wastes as green resources: cigarette butt-synthesized pesticides are highly toxic to malaria vectors with little impact on predatory copepods. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 10456-10470	5.1	16
58	Exploring genetic variation in haplotypes of the filariasis vector Culex quinquefasciatus (Diptera: Culicidae) through DNA barcoding. <i>Acta Tropica</i> , 2017 , 169, 43-50	3.2	29
57	Chitosan-fabricated Ag nanoparticles and larvivorous fishes: a novel route to control the coastal malaria vector Anopheles sundaicus?. <i>Hydrobiologia</i> , 2017 , 797, 335-350	2.4	23
56	Solution Combustion Synthesis of Hierarchically Structured V2O5 Nanoflakes: Efficacy Against Plasmodium falciparum, Plasmodium berghei and the Malaria Vector Anopheles stephensi. <i>Journal of Cluster Science</i> , 2017 , 28, 2337-2348	3	6
55	Green-synthesized CdS nano-pesticides: Toxicity on young instars of malaria vectors and impact on enzymatic activities of the non-target mud crab Scylla serrata. <i>Aquatic Toxicology</i> , 2017 , 188, 100-108	5.1	26
54	Control of dengue and Zika virus vector Aedes aegypti using the predatory copepod Megacyclops formosanus: Synergy with Hedychium coronarium-synthesized silver nanoparticles and related histological changes in targeted mosquitoes. <i>Chemical Engineering Research and Design</i> , 2017 , 109, 82-96	5.5	46
53	Seagrasses as Sources of Mosquito Nano-Larvicides? Toxicity and Uptake of Halodule uninervis-Biofabricated Silver Nanoparticles in Dengue and Zika Virus Vector Aedes aegypti. <i>Journal of Cluster Science</i> , 2017 , 28, 565-580	3	24
52	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). <i>Journal of Cluster Science</i> , 2017 , 28, 437-461	3	13
51	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. <i>Journal of Cluster Science</i> , 2017 , 28, 393-411	3	22
50	Neem cake as a promising larvicide and adulticide against the rural malaria vector Anopheles culicifacies (Diptera: Culicidae): a HPTLC fingerprinting approach. <i>Natural Product Research</i> , 2017 , 31, 1185-1190	2.3	6
49	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. <i>Journal of Applied Phycology</i> , 2017 , 29, 649-659	3.2	20
48	Predatory efficiency of the copepod Megacyclops formosanus and toxic effect of the red alga Gracilaria firma-synthesized silver nanoparticles against the dengue vector Aedes aegypti. <i>Hydrobiologia</i> , 2017 , 785, 359-372	2.4	16
47	Fighting arboviral diseases: low toxicity on mammalian cells, dengue growth inhibition (in vitro), and mosquitocidal activity of Centroceras clavulatum-synthesized silver nanoparticles. <i>Parasitology Research</i> , 2016 , 115, 651-62	2.4	70
46	Rapid biosynthesis of silver nanoparticles using Crotalaria verrucosa leaves against the dengue vector Aedes aegypti: what happens around? An analysis of dragonfly predatory behaviour after exposure at ultra-low doses. <i>Natural Product Research</i> , 2016 , 30, 826-33	2.3	20
45	Mycosynthesis of silver nanoparticles using Metarhizium anisopliae against the rural malaria vector Anopheles culicifacies Giles (Diptera: Culicidae). <i>Journal of Pest Science</i> , 2016 , 89, 249-256	5.5	88
44	Slow release formulations of Bacillus thuringiensis israelensis (AM 65-52) and spinosyns: effectiveness against the West Nile vector Culex pipiens in Saudi Arabia. <i>Asian Pacific Journal of Tropical Disease</i> , 2016 , 6, 533-538		2
43	Insecticide susceptibility in larval populations of the West Nile vector Culex pipiens L. (Diptera: Culicidae) in Saudi Arabia. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2016 , 6, 390-395	1.4	6

42	One-pot fabrication of silver nanocrystals using <i>Nicandra physalodes</i> : A novel route for mosquito vector control with moderate toxicity on non-target water bugs. <i>Research in Veterinary Science</i> , 2016 , 107, 95-101	2.5	68
41	In vivo and in vitro effectiveness of <i>Azadirachta indica</i> -synthesized silver nanocrystals against <i>Plasmodium berghei</i> and <i>Plasmodium falciparum</i> , and their potential against malaria mosquitoes. <i>Research in Veterinary Science</i> , 2016 , 106, 14-22	2.5	60
40	Multipurpose effectiveness of <i>Couroupita guianensis</i> -synthesized gold nanoparticles: high antiplasmodial potential, field efficacy against malaria vectors and synergy with <i>Aplocheilus lineatus</i> predators. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 7543-58	5.1	92
39	Earthworm-mediated synthesis of silver nanoparticles: A potent tool against hepatocellular carcinoma, <i>Plasmodium falciparum</i> parasites and malaria mosquitoes. <i>Parasitology International</i> , 2016 , 65, 276-84	2.1	60
38	Characterization and mosquitocidal potential of neem cake-synthesized silver nanoparticles: genotoxicity and impact on predation efficiency of mosquito natural enemies. <i>Parasitology Research</i> , 2016 , 115, 1015-25	2.4	54
37	Genetic deviation in geographically close populations of the dengue vector <i>Aedes aegypti</i> (Diptera: Culicidae): influence of environmental barriers in South India. <i>Parasitology Research</i> , 2016 , 115, 1149-60	2.4	14
36	Green-synthesised nanoparticles from <i>Melia azedarach</i> seeds and the cyclopoid crustacean <i>Cyclops vernalis</i> : an eco-friendly route to control the malaria vector <i>Anopheles stephensi</i> ?. <i>Natural Product Research</i> , 2016 , 30, 2077-84	2.3	14
35	Fern-synthesized nanoparticles in the fight against malaria: LC/MS analysis of <i>Pteridium aquilinum</i> leaf extract and biosynthesis of silver nanoparticles with high mosquitocidal and antiplasmodial activity. <i>Parasitology Research</i> , 2016 , 115, 997-1013	2.4	78
34	Carbon and silver nanoparticles in the fight against the filariasis vector <i>Culex quinquefasciatus</i> : genotoxicity and impact on behavioral traits of non-target aquatic organisms. <i>Parasitology Research</i> , 2016 , 115, 1071-83	2.4	33
33	DNA barcoding and molecular evolution of mosquito vectors of medical and veterinary importance. <i>Parasitology Research</i> , 2016 , 115, 107-21	2.4	50
32	Monitoring Diptera species of medical and veterinary importance in Saudi Arabia: Comparative efficacy of lure-baited and chromotropic traps. <i>Karbala International Journal of Modern Science</i> , 2016 , 2, 259-265	4.6	0
31	Effectiveness of seven mosquito larvicides against the West Nile vector <i>Culex pipiens</i> (L.) in Saudi Arabia. <i>Asian Pacific Journal of Tropical Disease</i> , 2016 , 6, 361-365		8
30	Neem by-products in the fight against mosquito-borne diseases: Biotoxicity of neem cake fractions towards the rural malaria vector <i>Anopheles culicifacies</i> (Diptera: Culicidae). <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2016 , 6, 472-476	1.4	8
29	Eco-friendly drugs from the marine environment: spongweed-synthesized silver nanoparticles are highly effective on <i>Plasmodium falciparum</i> and its vector <i>Anopheles stephensi</i> , with little non-target effects on predatory copepods. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 16671-85	5.1	44
28	DNA Barcoding in the Marine Habitat: An Overview 2016 , 3-28		3
27	Fern-synthesized silver nanocrystals: Towards a new class of mosquito oviposition deterrents?. <i>Research in Veterinary Science</i> , 2016 , 109, 40-51	2.5	44
26	Seaweed-synthesized silver nanoparticles: an eco-friendly tool in the fight against <i>Plasmodium falciparum</i> and its vector <i>Anopheles stephensi</i> ?. <i>Parasitology Research</i> , 2015 , 114, 4087-97	2.4	75
25	Biosynthesis, mosquitocidal and antibacterial properties of <i>Toddalia asiatica</i> -synthesized silver nanoparticles: do they impact predation of guppy <i>Poecilia reticulata</i> against the filariasis mosquito <i>Culex quinquefasciatus</i> ?. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 17053-64	5.1	46

24	Mosquitocidal and antiplasmodial activity of <i>Senna occidentalis</i> (Cassiae) and <i>Ocimum basilicum</i> (Lamiaceae) from Maruthamalai hills against <i>Anopheles stephensi</i> and <i>Plasmodium falciparum</i> . <i>Parasitology Research</i> , 2015 , 114, 3657-64	2.4	46
23	Characterization and biotoxicity of <i>Hypnea musciformis</i> -synthesized silver nanoparticles as potential eco-friendly control tool against <i>Aedes aegypti</i> and <i>Plutella xylostella</i> . <i>Ecotoxicology and Environmental Safety</i> , 2015 , 121, 31-8	7	133
22	Green-synthesized silver nanoparticles as a novel control tool against dengue virus (DEN-2) and its primary vector <i>Aedes aegypti</i> . <i>Parasitology Research</i> , 2015 , 114, 3315-25	2.4	147
21	Predation by Asian bullfrog tadpoles, <i>Hoplobatrachus tigerinus</i> , against the dengue vector, <i>Aedes aegypti</i> , in an aquatic environment treated with mosquitocidal nanoparticles. <i>Parasitology Research</i> , 2015 , 114, 3601-10	2.4	91
20	Toxicity of seaweed-synthesized silver nanoparticles against the filariasis vector <i>Culex quinquefasciatus</i> and its impact on predation efficiency of the cyclopoid crustacean <i>Mesocyclops longisetus</i> . <i>Parasitology Research</i> , 2015 , 114, 2243-53	2.4	124
19	Tackling the growing threat of dengue: <i>Phyllanthus niruri</i> -mediated synthesis of silver nanoparticles and their mosquitocidal properties against the dengue vector <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2015 , 114, 1551-62	2.4	155
18	<i>Cymbopogon citratus</i> -synthesized gold nanoparticles boost the predation efficiency of copepod <i>Mesocyclops aspericornis</i> against malaria and dengue mosquitoes. <i>Experimental Parasitology</i> , 2015 , 153, 129-38	2.1	194
17	<i>Aristolochia indica</i> green-synthesized silver nanoparticles: A sustainable control tool against the malaria vector <i>Anopheles stephensi</i> ?. <i>Research in Veterinary Science</i> , 2015 , 102, 127-35	2.5	37
16	<i>Datura metel</i> -synthesized silver nanoparticles magnify predation of dragonfly nymphs against the malaria vector <i>Anopheles stephensi</i> . <i>Parasitology Research</i> , 2015 , 114, 4645-54	2.4	45
15	Eco-friendly control of malaria and arbovirus vectors using the mosquitofish <i>Gambusia affinis</i> and ultra-low dosages of <i>Mimusops elengi</i> -synthesized silver nanoparticles: towards an integrative approach?. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 20067-83	5.1	73
14	<i>Sargassum muticum</i> -synthesized silver nanoparticles: an effective control tool against mosquito vectors and bacterial pathogens. <i>Parasitology Research</i> , 2015 , 114, 4305-17	2.4	104
13	Mosquitocidal and antibacterial activity of green-synthesized silver nanoparticles from <i>Aloe vera</i> extracts: towards an effective tool against the malaria vector <i>Anopheles stephensi</i> ?. <i>Parasitology Research</i> , 2015 , 114, 1519-29	2.4	179
12	Old ingredients for a new recipe? Neem cake, a low-cost botanical by-product in the fight against mosquito-borne diseases. <i>Parasitology Research</i> , 2015 , 114, 391-7	2.4	94
11	Adulticidal, repellent, and ovicidal properties of indigenous plant extracts against the malarial vector, <i>Anopheles stephensi</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2013 , 112, 679-92	2.4	49
10	Larvicidal efficacy of <i>Catharanthus roseus</i> Linn. (Family: Apocynaceae) leaf extract and bacterial insecticide <i>Bacillus thuringiensis</i> against <i>Anopheles stephensi</i> Liston. <i>Asian Pacific Journal of Tropical Medicine</i> , 2013 , 6, 847-53	2.1	16
9	Evaluation of leaf aqueous extract and synthesized silver nanoparticles using <i>Nerium oleander</i> against <i>Anopheles stephensi</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2013 , 112, 981-90	2.4	81
8	Biolarvicidal and pupicidal potential of silver nanoparticles synthesized using <i>Euphorbia hirta</i> against <i>Anopheles stephensi</i> Liston (Diptera: Culicidae). <i>Parasitology Research</i> , 2012 , 111, 997-1006	2.4	116
7	Adulticidal and repellent properties of <i>Cassia tora</i> Linn. (Family: Caesalpinaceae) against <i>Culex quinquefasciatus</i> , <i>Aedes aegypti</i> , and <i>Anopheles stephensi</i> . <i>Parasitology Research</i> , 2012 , 111, 1953-64	2.4	28

6	Mosquito larvicidal, pupicidal, adulticidal, and repellent activity of <i>Artemisia nilagirica</i> (Family: Compositae) against <i>Anopheles stephensi</i> and <i>Aedes aegypti</i> . <i>Parasitology Research</i> , 2012 , 111, 2241-51	2.4	52
5	Laboratory and field evaluation of medicinal plant extracts against filarial vector, <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae). <i>Parasitology Research</i> , 2012 , 110, 2105-15	2.4	23
4	Mosquitocidal properties of <i>Calotropis gigantea</i> (Family: Asclepiadaceae) leaf extract and bacterial insecticide, <i>Bacillus thuringiensis</i> , against the mosquito vectors. <i>Parasitology Research</i> , 2012 , 111, 531-44	2.4	23
3	Mosquitocidal activity of <i>Solanum xanthocarpum</i> fruit extract and copepod <i>Mesocyclops thermocycloides</i> for the control of dengue vector <i>Aedes aegypti</i> . <i>Parasitology Research</i> , 2012 , 111, 609-18	2.4	33
2	Green Nanoarchitectonics of ZnO Nanoparticles from <i>Clitoria ternatea</i> Flower Extract for In Vitro Anticancer and Antibacterial Activity: Inhibits MCF-7 Cell Proliferation via Intrinsic Apoptotic Pathway. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> ,1	3.2	2
1	Graphitic Carbon Nitride Decorated with Iron Oxide Nanoparticles as a Novel High-Performance Biomimetic Electrochemical Sensing Platform for Paracetamol Detection. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> ,1	3.2	0