## Marimuthu Govindarajan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Facile green synthesis of zinc oxide nanoparticles using Ulva lactuca seaweed extract and evaluation of their photocatalytic, antibiofilm and insecticidal activity. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 249-258.	3.8	295
2	Green synthesis of silver, gold and silver/gold bimetallic nanoparticles using the Gloriosa superba leaf extract and their antibacterial and antibiofilm activities. Microbial Pathogenesis, 2016, 101, 1-11.	2.9	176
3	Bacterial exopolysaccharide (EPS)-coated ZnO nanoparticles showed high antibiofilm activity and larvicidal toxicity against malaria and Zika virus vectors. Journal of Trace Elements in Medicine and Biology, 2018, 45, 93-103.	3.0	140
4	Eugenol, α-pinene and β-caryophyllene from Plectranthus barbatus essential oil as eco-friendly larvicides against malaria, dengue and Japanese encephalitis mosquito vectors. Parasitology Research, 2016, 115, 807-815.	1.6	135
5	Larvicidal and ovicidal activity of Cassia fistula Linn. leaf extract against filarial and malarial vector mosquitoes. Parasitology Research, 2007, 102, 289-292.	1.6	132
6	Biopolymer gelatin-coated zinc oxide nanoparticles showed high antibacterial, antibiofilm and anti-angiogenic activity. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 211-218.	3.8	120
7	Chemical composition and larvicidal activity of essential oil from Ocimum basilicum (L.) against Culex tritaeniorhynchus, Aedes albopictus and Anopheles subpictus (Diptera: Culicidae). Experimental Parasitology, 2013, 134, 7-11.	1.2	119
8	Chemical composition and larvicidal activity of essential oil from Mentha spicata (Linn.) against three mosquito species. Parasitology Research, 2012, 110, 2023-2032.	1.6	114
9	Chemical composition and larvicidal activity of leaf essential oil from Clausena anisata (Willd.) Hook. f. ex Benth (Rutaceae) against three mosquito species. Asian Pacific Journal of Tropical Medicine, 2010, 3, 874-877.	0.8	112
10	Mosquito control with green nanopesticides: towards the One Health approach? A review of non-target effects. Environmental Science and Pollution Research, 2018, 25, 10184-10206.	5.3	111
11	Larvicidal potential of carvacrol and terpinen-4-ol from the essential oil of Origanum vulgare (Lamiaceae) against Anopheles stephensi, Anopheles subpictus, Culex quinquefasciatus and Culex tritaeniorhynchus (Diptera: Culicidae). Research in Veterinary Science, 2016, 104, 77-82.	1.9	108
12	α-Humulene and β-elemene from Syzygium zeylanicum (Myrtaceae) essential oil: highly effective and eco-friendly larvicides against Anopheles subpictus, Aedes albopictus, and Culex tritaeniorhynchus (Diptera: Culicidae). Parasitology Research, 2016, 115, 2771-2778.	1.6	104
13	Ovicidal and repellent activities of botanical extracts against Culex quinquefasciatus, Aedes aegypti and Anopheles stephensi (Diptera: Culicidae). Asian Pacific Journal of Tropical Biomedicine, 2011, 1, 43-48.	1.2	97
14	Eco-friendly larvicides from Indian plants: Effectiveness of lavandulyl acetate and bicyclogermacrene on malaria, dengue and Japanese encephalitis mosquito vectors. Ecotoxicology and Environmental Safety, 2016, 133, 395-402.	6.0	96
15	Single-step biosynthesis and characterization of silver nanoparticles using Zornia diphylla leaves: A potent eco-friendly tool against malaria and arbovirus vectors. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 482-489.	3.8	95
16	Synthesis of ZnO nanoparticles using insulin-rich leaf extract: Anti-diabetic, antibiofilm and anti-oxidant properties. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111541.	3.8	95
17	Mosquito larvicidal, ovicidal, and repellent properties of botanical extracts against Anopheles stephensi, Aedes aegypti, and Culex quinquefasciatus (Diptera: Culicidae). Parasitology Research, 2011, 109, 353-367.	1.6	94
18	Green synthesis of gold nanoparticles using a cheap Sphaeranthus indicus extract: Impact on plant cells and the aquatic crustacean Artemia nauplii. Journal of Photochemistry and Photobiology B: Biology. 2017. 173. 598-605.	3.8	94

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19	Green synthesis of silver nanoparticles using Sida acuta (Malvaceae) leaf extract against Culex quinquefasciatus, Anopheles stephensi, and Aedes aegypti (Diptera: Culicidae). Parasitology Research, 2013, 112, 4073-4085.	1.6	91
20	Facile biosynthesis of silver nanoparticles using Barleria cristata: mosquitocidal potential and biotoxicity on three non-target aquatic organisms. Parasitology Research, 2016, 115, 925-935.	1.6	90
21	Guazuma ulmifolia bark-synthesized Ag, Au and Ag/Au alloy nanoparticles: Photocatalytic potential, DNA/protein interactions, anticancer activity and toxicity against 14 species of microbial pathogens. Journal of Photochemistry and Photobiology B: Biology, 2017, 167, 189-199.	3.8	89
22	Larvicidal and repellent properties of some essential oils against Culex tritaeniorhynchus Giles and Anopheles subpictus Grassi (Diptera: Culicidae). Asian Pacific Journal of Tropical Medicine, 2011, 4, 106-111.	0.8	86
23	Green synthesis and characterization of silver nanoparticles fabricated using Anisomeles indica: Mosquitocidal potential against malaria, dengue and Japanese encephalitis vectors. Experimental Parasitology, 2016, 161, 40-47.	1.2	86
24	The essential oil of Zingiber officinalis Linn (Zingiberaceae) as a mosquito larvicidal and repellent agent against the filarial vector Culex quinquefasciatus Say (Diptera: Culicidae). Parasitology Research, 2008, 102, 1289-1291.	1.6	84
25	Chemical composition, toxicity and non-target effects of Pinus kesiya essential oil: An eco-friendly and novel larvicide against malaria, dengue and lymphatic filariasis mosquito vectors. Ecotoxicology and Environmental Safety, 2016, 129, 85-90.	6.0	84
26	Green fabrication, characterization and antibacterial potential of zinc oxide nanoparticles using Aloe socotrina leaf extract: A novel drug delivery approach. Journal of Drug Delivery Science and Technology, 2020, 55, 101465.	3.0	83
27	Studies on effect of Acalypha indica L. (Euphorbiaceae) leaf extracts on the malarial vector, Anopheles stephensi Liston (Diptera:Culicidae). Parasitology Research, 2008, 103, 691-695.	1.6	82
28	Synthesis and characterization of silver nanoparticles using Gmelina asiatica leaf extract against filariasis, dengue, and malaria vector mosquitoes. Parasitology Research, 2015, 114, 1817-1827.	1.6	82
29	One-pot fabrication of silver nanocrystals using Nicandra physalodes : A novel route for mosquito vector control with moderate toxicity on non-target water bugs. Research in Veterinary Science, 2016, 107, 95-101.	1.9	79
30	Chitosan overlaid Fe3O4/rGO nanocomposite for targeted drug delivery, imaging, and biomedical applications. Scientific Reports, 2020, 10, 18912.	3.3	79
31	Mosquito larvicidal potential of silver nanoparticles synthesized using Chomelia asiatica (Rubiaceae) against Anopheles stephensi, Aedes aegypti, and Culex quinquefasciatus (Diptera: Culicidae). Parasitology Research, 2015, 114, 989-999.	1.6	78
32	The essential oil from Zanthoxylum monophyllum a potential mosquito larvicide with low toxicity to the non-target fish Gambusia affinis. Journal of Pest Science, 2017, 90, 369-378.	3.7	78
33	Larvicidal and repellent activities of Sida acuta Burm. F. (Family: Malvaceae) against three important vector mosquitoes. Asian Pacific Journal of Tropical Medicine, 2010, 3, 691-695.	0.8	76
34	Low-cost and eco-friendly green synthesis of silver nanoparticles using Feronia elephantum (Rutaceae) against Culex quinquefasciatus, Anopheles stephensi, and Aedes aegypti (Diptera: Culicidae). Parasitology Research, 2014, 113, 1775-1785.	1.6	76
35	Biopolymer zein-coated gold nanoparticles: Synthesis, antibacterial potential, toxicity and histopathological effects against the Zika virus vector Aedes aegypti. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 404-411.	3.8	75
36	An assessment of level of heavy metals pollution in the water, sediment and aquatic organisms: A perspective of tackling environmental threats for food security. Saudi Journal of Biological Sciences, 2021. 28. 1218-1225.	3.8	75

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37	Artemisia absinthium-borne compounds as novel larvicides: effectiveness against six mosquito vectors and acute toxicity on non-target aquatic organisms. Parasitology Research, 2016, 115, 4649-4661.	1.6	72
38	Larvicidal and repellent activity of tetradecanoic acid against Aedes aegypti (Linn.) and Culex quinquefasciatus (Say.) (Diptera:Culicidae). Asian Pacific Journal of Tropical Medicine, 2011, 4, 706-710.	0.8	70
39	Adulticidal and repellent properties of indigenous plant extracts against Culex quinquefasciatus and Aedes aegypti (Diptera: Culicidae). Parasitology Research, 2012, 110, 1607-1620.	1.6	70
40	One-pot green synthesis of silver nanocrystals using Hymenodictyon orixense: a cheap and effective tool against malaria, chikungunya and Japanese encephalitis mosquito vectors?. RSC Advances, 2016, 6, 59021-59029.	3.6	69
41	One-step synthesis of polydispersed silver nanocrystals using Malva sylvestris: an eco-friendly mosquito larvicide with negligible impact on non-target aquatic organisms. Parasitology Research, 2016, 115, 2685-2695.	1.6	68
42	Larvicidal and repellent potential of Zingiber nimmonii (J. Graham) Dalzell (Zingiberaceae) essential oil: an eco-friendly tool against malaria, dengue, and lymphatic filariasis mosquito vectors?. Parasitology Research, 2016, 115, 1807-1816.	1.6	67
43	Mosquito larvicidal and ovicidal properties of Eclipta alba (L.) Hassk (Asteraceae) against chikungunya vector, Aedes aegypti (Linn.) (Diptera: Culicidae). Asian Pacific Journal of Tropical Medicine, 2011, 4, 24-28.	0.8	65
44	Toxicity of herbal extracts used in ethno-veterinary medicine and green-encapsulated ZnO nanoparticles against Aedes aegypti and microbial pathogens. Parasitology Research, 2017, 116, 1637-1651.	1.6	65
45	Eco-friendly fabrication of Ag nanostructures using the seed extract of Pedalium murex , an ancient Indian medicinal plant: Histopathological effects on the Zika virus vector Aedes aegypti and inhibition of biofilm-forming pathogenic bacteria. Journal of Photochemistry and Photobiology B: Biology, 2017, 174 133-143	3.8	65
46	Green synthesis of ZnO nanoparticles for antimicrobial and vegetative growth applications: A novel approach for advancing efficient high quality health care to human wellbeing. Saudi Journal of Biological Sciences, 2021, 28, 1808-1815.	3.8	64
47	Mosquito larvicidal activity of thymol from essential oil of Coleus aromaticus Benth. against Culex tritaeniorhynchus, Aedes albopictus, and Anopheles subpictus (Diptera: Culicidae). Parasitology Research, 2013, 112, 3713-3721.	1.6	63
48	Bio-physical Characterization of Poly-dispersed Silver Nanocrystals Fabricated UsingÂCarissa spinarum:ÂA Potent Tool Against Mosquito Vectors. Journal of Cluster Science, 2016, 27, 745-761.	3.3	63
49	A Facile One-Pot Synthesis of Eco-Friendly Nanoparticles Using Carissa carandas: Ovicidal and Larvicidal Potential on Malaria, Dengue and Filariasis Mosquito Vectors. Journal of Cluster Science, 2017, 28, 15-36.	3.3	63
50	Biocompatible properties of nano-drug carriers using TiO2-Au embedded on multiwall carbon nanotubes for targeted drug delivery. Materials Science and Engineering C, 2018, 90, 589-601.	7.3	62
51	Insecticidal activity of camphene, zerumbone and α-humulene from Cheilocostus speciosus rhizome essential oil against the Old-World bollworm, Helicoverpa armigera. Ecotoxicology and Environmental Safety, 2018, 148, 781-786.	6.0	62
52	δ-Cadinene,Calarene and δ-4-Carene from Kadsura heteroclita Essential Oil as Novel Larvicides Against Malaria, Dengue and Filariasis Mosquitoes. Combinatorial Chemistry and High Throughput Screening, 2016, 19, 565-571.	1.1	61
53	Green-Synthesized Mosquito Oviposition Attractants and Ovicides: Towards a Nanoparticle-Based "Lure and Kill―Approach?. Journal of Cluster Science, 2017, 28, 287-308	3.3	60
54	Evaluation of Andrographis paniculata Burm.f. (Family:Acanthaceae) extracts against Culex quinquefasciatus (Say.) and Aedes aegypti (Linn.) (Diptera:Culicidae). Asian Pacific Journal of Tropical Medicine, 2011, 4, 176-181.	0.8	57

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55	Evaluation of indigenous plant extracts against the malarial vector, Anopheles stephensi (Liston) (Diptera: Culicidae). Parasitology Research, 2011, 109, 93-103.	1.6	56
56	Sargassum wightii -synthesized ZnO nanoparticles – from antibacterial and insecticidal activity to immunostimulatory effects on the green tiger shrimp Penaeus semisulcatus. Journal of Photochemistry and Photobiology B: Biology, 2018, 183, 318-330.	3.8	56
57	Multipurpose efficacy of ZnO nanoparticles coated by the crustacean immune molecule β-1, 3-glucan binding protein: Toxicity on HepC2 liver cancer cells and bacterial pathogens. Colloids and Surfaces B: Biointerfaces, 2017, 158, 257-269.	5.0	50
58	Synthesis of chitosan-alginate microspheres with high antimicrobial and antibiofilm activity against multi-drug resistant microbial pathogens. Microbial Pathogenesis, 2018, 114, 17-24.	2.9	49
59	Single Step Fabrication of Chitosan Nanocrystals Using Penaeus semisulcatus: Potential as New Insecticides, Antimicrobials and Plant Growth Promoters. Journal of Cluster Science, 2018, 29, 375-384.	3.3	46
60	Larvicidal activity of Blumea eriantha essential oil and its components against six mosquito species, including Zika virus vectors: the promising potential of (4E,6Z)-allo-ocimene, carvotanacetone and dodecyl acetate. Parasitology Research, 2017, 116, 1175-1188.	1.6	44
61	Structural characterization of Bacillus licheniformis Dahb1 exopolysaccharide—antimicrobial potential and larvicidal activity on malaria and Zika virus mosquito vectors. Environmental Science and Pollution Research, 2018, 25, 18604-18619.	5.3	44
62	Adulticidal properties of synthesized silver nanoparticles using leaf extracts of Feronia elephantum (Rutaceae) against filariasis, malaria, and dengue vector mosquitoes. Parasitology Research, 2014, 113, 4085-4096.	1.6	43
63	Chronic exposure of Oreochromis niloticus to sub-lethal copper concentrations: Effects on growth, antioxidant, non-enzymatic antioxidant, oxidative stress and non-specific immune responses. Journal of Trace Elements in Medicine and Biology, 2019, 55, 170-179.	3.0	42
64	Towards green oviposition deterrents? Effectiveness of Syzygium lanceolatum (Myrtaceae) essential oil against six mosquito vectors and impact on four aquatic biological control agents. Environmental Science and Pollution Research, 2018, 25, 10218-10227.	5.3	41
65	Biophysical characterization of Acacia caesia-fabricated silver nanoparticles: effectiveness on mosquito vectors of public health relevance and impact on non-target aquatic biocontrol agents. Environmental Science and Pollution Research, 2018, 25, 10228-10242.	5.3	41
66	Mosquito larvicidal properties of Ficus benghalensis L. (Family: Moraceae) against Culex tritaeniorhynchus Giles and Anopheles subpictus Grassi (Diptera: Culicidae). Asian Pacific Journal of Tropical Medicine, 2011, 4, 505-509.	0.8	40
67	Toxicity of ar-curcumene and epi-β-bisabolol from Hedychium larsenii (Zingiberaceae) essential oil on malaria, chikungunya and St. Louis encephalitis mosquito vectors. Ecotoxicology and Environmental Safety, 2017, 137, 149-157.	6.0	40
68	Toxicity evaluation of polypropylene microplastic on marine microcrustacean Artemia salina: An analysis of implications and vulnerability. Chemosphere, 2022, 296, 133990.	8.2	39
69	Acute toxicity and repellent activity of the Origanum scabrum Boiss. & Heldr. (Lamiaceae) essential oil against four mosquito vectors of public health importance and its biosafety on non-target aquatic organisms. Environmental Science and Pollution Research, 2016, 23, 23228-23238.	5.3	37
70	High toxicity of camphene and Î <sup>3</sup> -elemene from Wedelia prostrata essential oil against larvae of Spodoptera litura (Lepidoptera: Noctuidae). Environmental Science and Pollution Research, 2018, 25, 10383-10391.	5.3	37
71	A review on biological carbon sequestration: A sustainable solution for a cleaner air environment, less pollution and lower health risks. Journal of King Saud University - Science, 2021, 33, 101282.	3.5	37
72	Photosensitizers in the fight against ticks: safranin as a novel photodynamic fluorescent acaricide to control the camel tick Hyalomma dromedarii (Ixodidae). Parasitology Research, 2016, 115, 3747-3758.	1.6	36

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73	Larvicidal, ovicidal, and adulticidal efficacy of Erythrina indica (Lam.) (Family: Fabaceae) against Anopheles stephensi, Aedes aegypti, and Culex quinquefasciatus (Diptera: Culicidae). Parasitology Research, 2014, 113, 777-791.	1.6	35
74	Evaluation of plant-mediated synthesized silver nanoparticles against vector mosquitoes. Parasitology Research, 2014, 113, 4567-4577.	1.6	33
75	Facile fabrication of eco-friendly nano-mosquitocides: Biophysical characterization and effectiveness on neglected tropical mosquito vectors. Enzyme and Microbial Technology, 2016, 95, 155-163.	3.2	33
76	Clerodendrum chinense-mediated biofabrication of silver nanoparticles: Mosquitocidal potential and acute toxicity against non-target aquatic organisms. Journal of Asia-Pacific Entomology, 2016, 19, 51-58.	0.9	33
77	Toxicity and growth inhibition potential of vetiver, cinnamon, and lavender essential oils and their blends against larvae of the sheep blowfly, <i>Lucilia sericata</i> . International Journal of Dermatology, 2018, 57, 449-457.	1.0	33
78	Mosquito adulticidal and repellent activities of botanical extracts against malarial vector, Anopheles stephensi Liston (Diptera: Culicidae). Asian Pacific Journal of Tropical Medicine, 2011, 4, 941-947.	0.8	32
79	Photocatalytic, antiproliferative and antimicrobial properties of copper nanoparticles synthesized using Manilkara zapota leaf extract: A photodynamic approach. Photodiagnosis and Photodynamic Therapy, 2020, 32, 102058.	2.6	32
80	Toxicity of Camellia sinensis-Fabricated Silver Nanoparticles on Invertebrate and Vertebrate Organisms: Morphological Abnormalities and DNA Damages. Journal of Cluster Science, 2017, 28, 2027-2040.	3.3	31
81	Larvicidal activity of the essential oil from Amomum subulatum Roxb. (Zingiberaceae) against Anopheles subpictus, Aedes albopictus and Culex tritaeniorhynchus (Diptera: Culicidae), and non-target impact on four mosquito natural enemies. Physiological and Molecular Plant Pathology, 2018, 101, 219-224.	2.5	31
82	Swift production of rhamnolipid biosurfactant, biopolymer and synthesis of biosurfactant-wrapped silver nanoparticles and its enhanced oil recovery. Saudi Journal of Biological Sciences, 2020, 27, 1892-1899.	3.8	31
83	Biogenic synthesis of aromatic cardamom-wrapped zinc oxide nanoparticles and their potential antibacterial and mosquito larvicidal activity: An effective eco-friendly approach. Journal of Environmental Chemical Engineering, 2020, 8, 104466.	6.7	30
84	Green and facile biosynthesis of silver nanocomposites using the aqueous extract of Rubus ellipticus leaves: Toxicity and oviposition deterrent activity against Zika virus, malaria and filariasis mosquito vectors. Journal of Asia-Pacific Entomology, 2017, 20, 157-164.	0.9	29
85	Single-step biological fabrication of colloidal silver nanoparticles using <i>Hugonia mystax:</i> larvicidal potential against Zika virus, dengue, and malaria vector mosquitoes. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1317-1325.	2.8	29
86	The aromatic ginger Kaempferia galanga L. (Zingiberaceae) essential oil and its main compounds are effective larvicidal agents against Aedes vittatus and Anopheles maculatus without toxicity on the non-target aquatic fauna. Industrial Crops and Products, 2020, 158, 113012.	5.2	29
87	One-Pot Fabrication and Characterization of Silver Nanoparticles Using <i> Solanum lycopersicum</i> : An Eco-Friendly and Potent Control Tool against Rose Aphid, <i> Macrosiphum rosae</i> . Journal of Nanoscience, 2016, 2016, 1-7.	2.6	28
88	One-pot biogenic fabrication of silver nanocrystals using Quisqualis indica: Effectiveness on malaria and Zika virus mosquito vectors, and impact on non-target aquatic organisms. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 646-655.	3.8	28
89	Larvicidal and ovicidal properties of leaf and seed extracts of Delonix elata (L.) Gamble (Family:) Tj ETQq1 1 0.784	4314 rgBT 1.6	/Overlock 10 27
90	Curzerene, trans-β-elemenone, and γ-elemene as effective larvicides against Anopheles subpictus, Aedes albopictus, and Culex tritaeniorhynchus: toxicity on non-target aquatic predators. Environmental Science and Pollution Research, 2018, 25, 10272-10282.	5.3	27

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91	One-pot fabrication of silver nanocrystals using Ormocarpum cochinchinense: Biophysical characterization of a potent mosquitocidal and toxicity on non-target mosquito predators. Journal of Asia-Pacific Entomology, 2016, 19, 377-385.	0.9	26
92	Green synthesis of zinc oxide nanoparticles using Anoectochilus elatus, and their biomedical applications. Saudi Journal of Biological Sciences, 2022, 29, 2270-2279.	3.8	26
93	One-Pot Synthesis of Dysprosium Oxide Nano-Sheets: Antimicrobial Potential and Cyotoxicity on A549 Lung Cancer Cells. Journal of Cluster Science, 2017, 28, 621-635.	3.3	25
94	High efficacy of (Z)-Î <sup>3</sup> -bisabolene from the essential oil of Galinsoga parviflora (Asteraceae) as larvicide and oviposition deterrent against six mosquito vectors. Environmental Science and Pollution Research, 2018, 25, 10555-10566.	5.3	25
95	Green synthesis of silver nanoparticles from Cassia roxburghii—a most potent power for mosquito control. Parasitology Research, 2015, 114, 4385-4395.	1.6	24
96	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.	3.3	24
97	Single-Step Biofabrication of Silver Nanocrystals Using Naregamia alata: A Cost Effective and Eco-Friendly Control Tool in the Fight Against Malaria, Zika Virus and St. Louis Encephalitis Mosquito Vectors. Journal of Cluster Science, 2017, 28, 179-203.	3.3	24
98	β-glucan extracted from eukaryotic single-celled microorganism Saccharomyces cerevisiae: Dietary supplementation and enhanced ammonia stress tolerance on Oreochromis mossambicus. Microbial Pathogenesis, 2020, 139, 103917.	2.9	24
99	Curcumin-encased hydroxyapatite nanoparticles as novel biomaterials for antimicrobial, antioxidant and anticancer applications: A perspective of nano-based drug delivery. Journal of Drug Delivery Science and Technology, 2020, 57, 101752.	3.0	24
100	Brevibacillus laterosporus isolated from the digestive tract of honeybees has high antimicrobial activity and promotes growth and productivity of honeybee's colonies. Environmental Science and Pollution Research, 2018, 25, 10447-10455.	5.3	23
101	Green Synthesis of Ag Nanoparticles with Anti-bacterial Activity Using the Leaf Extract of an African Medicinal Plant, Ipomoea asarifolia (Convolvulaceae). Journal of Cluster Science, 2017, 28, 3009-3019.	3.3	22
102	Gum-Mediated Fabrication of Eco-Friendly Gold Nanoparticles Promoting Cell Division and Pollen Germination in Plant Cells. Journal of Cluster Science, 2017, 28, 507-517.	3.3	22
103	Phenoloxidase activation, antimicrobial, and antibiofilm properties of β-glucan binding protein from Scylla serrata crab hemolymph. International Journal of Biological Macromolecules, 2018, 114, 864-873.	7.5	22
104	Nanosilver crystals capped with Bauhinia acuminata phytochemicals as new antimicrobials and mosquito larvicides. Journal of Trace Elements in Medicine and Biology, 2018, 50, 146-153.	3.0	22
105	Searching for crab-borne antimicrobial peptides: Crustin from Portunus pelagicus triggers biofilm inhibition and immune responses of Artemia salina against GFP tagged Vibrio parahaemolyticus Dahv2. Molecular Immunology, 2018, 101, 396-408.	2.2	22
106	Synthesis and characterization of crustin capped titanium dioxide nanoparticles: Photocatalytic, antibacterial, antifungal and insecticidal activities. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111620.	3.8	22
107	Repellent properties of Cardiospermum halicacabum Linn. (Family: Sapindaceae) plant leaf extracts against three important vector mosquitoes. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, 602-607.	1.2	21
108	Ovicidal, larvicidal and adulticidal properties of Asparagus racemosus (Willd.) (Family: Asparagaceae) root extracts against filariasis (Culex quinquefasciatus), dengue (Aedes aegypti) and malaria (Anopheles stephensi) vector mosquitoes (Diptera: Culicidae). Parasitology Research, 2014, 113, 1435-1449.	1.6	21

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109	Euphorbia rothiana-Fabricated Ag Nanoparticles Showed High Toxicity on Aedes aegypti Larvae and Growth Inhibition on Microbial Pathogens: A Focus on Morphological Changes in Mosquitoes and Antibiofilm Potential Against Bacteria. Journal of Cluster Science, 2017, 28, 2857-2872.	3.3	21
110	Impact of pesticide monocrotophos on microbial populations and histology of intestine in the Indian earthworm Lampito mauritii (Kinberg). Microbial Pathogenesis, 2020, 139, 103893.	2.9	21
111	One-Pot Green Synthesis of Silver Nanoparticles Using the Orchid Leaf Extracts of Anoectochilus elatus: Growth Inhibition Activity on Seven Microbial Pathogens. Journal of Cluster Science, 2017, 28, 1541-1550.	3.3	20
112	Zingiber cernuum (Zingiberaceae) essential oil as effective larvicide and oviposition deterrent on six mosquito vectors, with little non-target toxicity on four aquatic mosquito predators. Environmental Science and Pollution Research, 2018, 25, 10307-10316.	5.3	20
113	Boswellia ovalifoliolata (Burseraceae) essential oil as an eco-friendly larvicide? Toxicity against six mosquito vectors of public health importance, non-target mosquito fishes, backswimmers, and water bugs. Environmental Science and Pollution Research, 2018, 25, 10264-10271.	5.3	20
114	Crustin-capped selenium nanowires against microbial pathogens and Japanese encephalitis mosquito vectors – Insights on their toxicity and internalization. Journal of Trace Elements in Medicine and Biology, 2019, 51, 191-203.	3.0	20
115	Growth inhibition and antibiofilm potential of Ag nanoparticles coated with lectin, an arthropod immune molecule. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 208-216.	3.8	19
116	Orchids as Sources of Novel Nanoinsecticides? Efficacy ofÂBacillus sphaericus and Zeuxine gracilis-Fabricated Silver Nanoparticles Against Dengue, Malaria and Filariasis Mosquito Vectors. Journal of Cluster Science, 2018, 29, 345-357.	3.3	19
117	Eco-friendly and cost-effective Ag nanocrystals fabricated using the leaf extract of Habenaria plantaginea: toxicity on six mosquito vectors and four non-target species. Environmental Science and Pollution Research, 2018, 25, 10317-10327.	5.3	19
118	Microbial exopolymer-capped selenium nanowires – Towards new antibacterial, antibiofilm and arbovirus vector larvicides?. Journal of Photochemistry and Photobiology B: Biology, 2019, 192, 55-67.	3.8	19
119	Synthesis and physicochemical characteristics of Ag-doped hydroxyapatite nanoparticles, and their potential biomedical applications. Environmental Research, 2022, 210, 112979.	7.5	19
120	Green-synthesized silver nanoparticles using Psychotria nilgiriensis: toxicity against the dengue vector Aedes aegypti (Diptera: Culicidae) and impact on the predatory efficiency of the non-target organism Poecilia sphenops (Cyprinodontiformes: Poeciliidae). Journal of Asia-Pacific Entomology, 2016, 19, 1001-1007.	0.9	18
121	A novel approach to assess the heavy metal content in the feathers of shorebirds: A perspective of environmental research. Journal of King Saud University - Science, 2020, 32, 3065-3071.	3.5	18
122	Facile synthesis and biophysical characterization of egg albumen-wrapped zinc oxide nanoparticles: A potential drug delivery vehicles for anticancer therapy. Journal of Drug Delivery Science and Technology, 2020, 60, 102015.	3.0	18
123	Phytochemical analysis and fabrication of silver nanoparticles using Acacia catechu: An efficacious and ecofriendly control tool against selected polyphagous insect pests. Saudi Journal of Biological Sciences, 2021, 28, 148-156.	3.8	18
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