

Marimuthu Govindarajan

List of Publications by Year in descending order

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192
papers

7,219
citations

38552

50
h-index

83414

72
g-index

197
all docs

197
docs citations

197
times ranked

6954
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile green synthesis of zinc oxide nanoparticles using <i>Ulva lactuca</i> seaweed extract and evaluation of their photocatalytic, antibiofilm and insecticidal activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 249-258.	3.9	319
2	Green synthesis of silver, gold and silver/gold bimetallic nanoparticles using the <i>Gloriosa superba</i> leaf extract and their antibacterial and antibiofilm activities. <i>Microbial Pathogenesis</i> , 2016, 101, 1-11.	2.9	192
3	Bacterial exopolysaccharide (EPS)-coated ZnO nanoparticles showed high antibiofilm activity and larvicidal toxicity against malaria and Zika virus vectors. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 45, 93-103.	3.2	153
4	Eugenol, α -pinene and β -caryophyllene from <i>Plectranthus barbatus</i> essential oil as eco-friendly larvicides against malaria, dengue and Japanese encephalitis mosquito vectors. <i>Parasitology Research</i> , 2016, 115, 807-815.	1.6	138
5	Biopolymer gelatin-coated zinc oxide nanoparticles showed high antibacterial, antibiofilm and anti-angiogenic activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 211-218.	3.9	134
6	Mosquito control with green nanopesticides: towards the One Health approach? A review of non-target effects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10184-10206.	5.3	117
7	Chemical composition and larvicidal activity of leaf essential oil from <i>Clausena anisata</i> (Willd.) Hook. f. ex Benth (Rutaceae) against three mosquito species. <i>Asian Pacific Journal of Tropical Medicine</i> , 2010, 3, 874-877.	0.9	116
8	α -Humulene and β -elemene from <i>Syzygium zeylanicum</i> (Myrtaceae) essential oil: highly effective and eco-friendly larvicides against <i>Anopheles subpictus</i> , <i>Aedes albopictus</i> , and <i>Culex tritaeniorhynchus</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2016, 115, 2771-2778.	1.6	112
9	Larvicidal potential of carvacrol and terpinen-4-ol from the essential oil of <i>Origanum vulgare</i> (Lamiaceae) against <i>Anopheles stephensi</i> , <i>Anopheles subpictus</i> , <i>Culex quinquefasciatus</i> and <i>Culex tritaeniorhynchus</i> (Diptera: Culicidae). <i>Research in Veterinary Science</i> , 2016, 104, 77-82.	2.0	112
10	Synthesis of ZnO nanoparticles using insulin-rich leaf extract: Anti-diabetic, antibiofilm and anti-oxidant properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111541.	3.9	108
11	Eco-friendly larvicides from Indian plants: Effectiveness of lavandulyl acetate and bicyclogermacrene on malaria, dengue and Japanese encephalitis mosquito vectors. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 395-402.	6.2	102
12	Single-step biosynthesis and characterization of silver nanoparticles using <i>Zornia diphylla</i> leaves: A potent eco-friendly tool against malaria and arbovirus vectors. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 161, 482-489.	3.9	99
13	Green synthesis of gold nanoparticles using a cheap <i>Sphaeranthus indicus</i> extract: Impact on plant cells and the aquatic crustacean <i>Artemia nauplii</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 598-605.	3.9	98
14	Green synthesis of silver nanoparticles using <i>Sida acuta</i> (Malvaceae) leaf extract against <i>Culex quinquefasciatus</i> , <i>Anopheles stephensi</i> , and <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2013, 112, 4073-4085.	1.6	93
15	Facile biosynthesis of silver nanoparticles using <i>Barleria cristata</i> : mosquitocidal potential and biotoxicity on three non-target aquatic organisms. <i>Parasitology Research</i> , 2016, 115, 925-935.	1.6	93
16	<i>Guazuma ulmifolia</i> bark-synthesized Ag, Au and Ag/Au alloy nanoparticles: Photocatalytic potential, DNA/protein interactions, anticancer activity and toxicity against 14 species of microbial pathogens. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 189-199.	3.9	93
17	Chitosan overlaid Fe ₃ O ₄ /rGO nanocomposite for targeted drug delivery, imaging, and biomedical applications. <i>Scientific Reports</i> , 2020, 10, 18912.	3.4	90
18	Green synthesis and characterization of silver nanoparticles fabricated using <i>Anisomeles indica</i> : Mosquitocidal potential against malaria, dengue and Japanese encephalitis vectors. <i>Experimental Parasitology</i> , 2016, 161, 40-47.	1.2	89

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19	Larvicidal and repellent properties of some essential oils against <i>Culex tritaeniorhynchus</i> Giles and <i>Anopheles subpictus</i> Grassi (Diptera: Culicidae). <i>Asian Pacific Journal of Tropical Medicine</i> , 2011, 4, 106-111.	0.9	88
20	Synthesis and characterization of silver nanoparticles using <i>Gmelina asiatica</i> leaf extract against filariasis, dengue, and malaria vector mosquitoes. <i>Parasitology Research</i> , 2015, 114, 1817-1827.	1.6	86
21	The essential oil of <i>Zingiber officinalis</i> Linn (Zingiberaceae) as a mosquito larvicidal and repellent agent against the filarial vector <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae). <i>Parasitology Research</i> , 2008, 102, 1289-1291.	1.6	85
22	Chemical composition, toxicity and non-target effects of <i>Pinus kesiya</i> essential oil: An eco-friendly and novel larvicide against malaria, dengue and lymphatic filariasis mosquito vectors. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 85-90.	6.2	85
23	An assessment of level of heavy metals pollution in the water, sediment and aquatic organisms: A perspective of tackling environmental threats for food security. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1218-1225.	3.9	82
24	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.	2.0	80
25	Mosquito larvicidal potential of silver nanoparticles synthesized using <i>Chomelia asiatica</i> (Rubiaceae) against <i>Anopheles stephensi</i> , <i>Aedes aegypti</i> , and <i>Culex quinquefasciatus</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2015, 114, 989-999.	1.6	79
26	The essential oil from <i>Zanthoxylum monophyllum</i> a potential mosquito larvicide with low toxicity to the non-target fish <i>Gambusia affinis</i> . <i>Journal of Pest Science</i> , 2017, 90, 369-378.	3.8	79
27	Larvicidal and repellent activities of <i>Sida acuta</i> Burm. F. (Family: Malvaceae) against three important vector mosquitoes. <i>Asian Pacific Journal of Tropical Medicine</i> , 2010, 3, 691-695.	0.9	78
28	Low-cost and eco-friendly green synthesis of silver nanoparticles using <i>Feronia elephantum</i> (Rutaceae) against <i>Culex quinquefasciatus</i> , <i>Anopheles stephensi</i> , and <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2014, 113, 1775-1785.	1.6	77
29	Biopolymer zein-coated gold nanoparticles: Synthesis, antibacterial potential, toxicity and histopathological effects against the Zika virus vector <i>Aedes aegypti</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 404-411.	3.9	77
30	Green synthesis of ZnO nanoparticles for antimicrobial and vegetative growth applications: A novel approach for advancing efficient high quality health care to human wellbeing. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1808-1815.	3.9	76
31	<i>Artemisia absinthium</i> -borne compounds as novel larvicides: effectiveness against six mosquito vectors and acute toxicity on non-target aquatic organisms. <i>Parasitology Research</i> , 2016, 115, 4649-4661.	1.6	73
32	Insecticidal activity of camphene, zerumbone and β -humulene from <i>Cheilocostus speciosus</i> rhizome essential oil against the Old-World bollworm, <i>Helicoverpa armigera</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 781-786.	6.2	71
33	Adulticidal and repellent properties of indigenous plant extracts against <i>Culex quinquefasciatus</i> and <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2012, 110, 1607-1620.	1.6	70
34	One-step synthesis of polydispersed silver nanocrystals using <i>Malva sylvestris</i> : an eco-friendly mosquito larvicide with negligible impact on non-target aquatic organisms. <i>Parasitology Research</i> , 2016, 115, 2685-2695.	1.6	70
35	One-pot green synthesis of silver nanocrystals using <i>Hymenodictyon orixense</i> : a cheap and effective tool against malaria, chikungunya and Japanese encephalitis mosquito vectors?. <i>RSC Advances</i> , 2016, 6, 59021-59029.	3.7	70
36	Toxicity of herbal extracts used in ethno-veterinary medicine and green-encapsulated ZnO nanoparticles against <i>Aedes aegypti</i> and microbial pathogens. <i>Parasitology Research</i> , 2017, 116, 1637-1651.	1.6	70

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37	Larvicidal and repellent potential of <i>Zingiber nimmonii</i> (J. Graham) Dalzell (Zingiberaceae) essential oil: an eco-friendly tool against malaria, dengue, and lymphatic filariasis mosquito vectors?. <i>Parasitology Research</i> , 2016, 115, 1807-1816.	1.6	68
38	Eco-friendly fabrication of Ag nanostructures using the seed extract of <i>Pedaliium murex</i> , an ancient Indian medicinal plant: Histopathological effects on the Zika virus vector <i>Aedes aegypti</i> and inhibition of biofilm-forming pathogenic bacteria. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 174, 133-143.	3.9	68
39	A Facile One-Pot Synthesis of Eco-Friendly Nanoparticles Using <i>Carissa carandas</i> : Ovicidal and Larvicidal Potential on Malaria, Dengue and Filariasis Mosquito Vectors. <i>Journal of Cluster Science</i> , 2017, 28, 15-36.	3.3	66
40	Mosquito larvicidal activity of thymol from essential oil of <i>Coleus aromaticus</i> Benth. against <i>Culex tritaeniorhynchus</i> , <i>Aedes albopictus</i> , and <i>Anopheles subpictus</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2013, 112, 3713-3721.	1.6	65
41	Biocompatible properties of nano-drug carriers using TiO ₂ -Au embedded on multiwall carbon nanotubes for targeted drug delivery. <i>Materials Science and Engineering C</i> , 2018, 90, 589-601.	7.8	65
42	Bio-physical Characterization of Poly-dispersed Silver Nanocrystals Fabricated Using <i>Carissa spinarum</i> : A Potent Tool Against Mosquito Vectors. <i>Journal of Cluster Science</i> , 2016, 27, 745-761.	3.3	63
43	γ -Cadinene, Calarene and β -4-Carene from <i>Kadsura heteroclita</i> Essential Oil as Novel Larvicides Against Malaria, Dengue and Filariasis Mosquitoes. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2016, 19, 565-571.	1.1	63
44	Green-Synthesized Mosquito Oviposition Attractants and Ovicides: Towards a Nanoparticle-Based α -Lure and Kill Approach?. <i>Journal of Cluster Science</i> , 2017, 28, 287-308.	3.3	62
45	<i>Sargassum wightii</i> -synthesized ZnO nanoparticles α from antibacterial and insecticidal activity to immunostimulatory effects on the green tiger shrimp <i>Penaeus semisulcatus</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 318-330.	3.9	62
46	Evaluation of <i>Andrographis paniculata</i> Burm.f. (Family: Acanthaceae) extracts against <i>Culex quinquefasciatus</i> (Say.) and <i>Aedes aegypti</i> (Linn.) (Diptera: Culicidae). <i>Asian Pacific Journal of Tropical Medicine</i> , 2011, 4, 176-181.	0.9	58
47	Evaluation of indigenous plant extracts against the malarial vector, <i>Anopheles stephensi</i> (Liston) (Diptera: Culicidae). <i>Parasitology Research</i> , 2011, 109, 93-103.	1.6	56
48	Synthesis of chitosan-alginate microspheres with high antimicrobial and antibiofilm activity against multi-drug resistant microbial pathogens. <i>Microbial Pathogenesis</i> , 2018, 114, 17-24.	2.9	54
49	Toxicity evaluation of polypropylene microplastic on marine microcrustacean <i>Artemia salina</i> : An analysis of implications and vulnerability. <i>Chemosphere</i> , 2022, 296, 133990.	8.4	54
50	Multipurpose efficacy of ZnO nanoparticles coated by the crustacean immune molecule β -1, 3-glucan binding protein: Toxicity on HepG2 liver cancer cells and bacterial pathogens. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 257-269.	5.1	53
51	Single Step Fabrication of Chitosan Nanocrystals Using <i>Penaeus semisulcatus</i> : Potential as New Insecticides, Antimicrobials and Plant Growth Promoters. <i>Journal of Cluster Science</i> , 2018, 29, 375-384.	3.3	53
52	Chronic exposure of <i>Oreochromis niloticus</i> to sub-lethal copper concentrations: Effects on growth, antioxidant, non-enzymatic antioxidant, oxidative stress and non-specific immune responses. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 55, 170-179.	3.2	51
53	Structural characterization of <i>Bacillus licheniformis</i> Dab1 exopolysaccharide α antimicrobial potential and larvicidal activity on malaria and Zika virus mosquito vectors. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18604-18619.	5.3	47
54	Biophysical characterization of <i>Acacia caesia</i> -fabricated silver nanoparticles: effectiveness on mosquito vectors of public health relevance and impact on non-target aquatic biocontrol agents. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10228-10242.	5.3	45

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55	Larvicidal activity of <i>Blumea eriantha</i> 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. <i>Parasitology Research</i> , 2017, 116, 1175-1188.	1.6	44
56	Adulticidal properties of synthesized silver nanoparticles using leaf extracts of <i>Feronia elephantum</i> (Rutaceae) against filariasis, malaria, and dengue vector mosquitoes. <i>Parasitology Research</i> , 2014, 113, 4085-4096.	1.6	43
57	Toxicity of α -curcumene and β -bisabolol from <i>Hedychium larsenii</i> (Zingiberaceae) essential oil on malaria, chikungunya and St. Louis encephalitis mosquito vectors. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 149-157.	6.2	43
58	Towards green oviposition deterrents? Effectiveness of <i>Syzygium lanceolatum</i> (Myrtaceae) essential oil against six mosquito vectors and impact on four aquatic biological control agents. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10218-10227.	5.3	42
59	A review on biological carbon sequestration: A sustainable solution for a cleaner air environment, less pollution and lower health risks. <i>Journal of King Saud University - Science</i> , 2021, 33, 101282.	3.6	42
60	High toxicity of camphene and β -elemene from <i>Wedelia prostrata</i> essential oil against larvae of <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Environmental Science and Pollution Research</i> , 2018, 25, 10383-10391.	5.3	40
61	Acute toxicity and repellent activity of the <i>Origanum scabrum</i> Boiss. & Heldr. (Lamiaceae) essential oil against four mosquito vectors of public health importance and its biosafety on non-target aquatic organisms. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23228-23238.	5.3	39
62	Photosensitizers in the fight against ticks: safranin as a novel photodynamic fluorescent acaricide to control the camel tick <i>Hyalomma dromedarii</i> (Ixodidae). <i>Parasitology Research</i> , 2016, 115, 3747-3758.	1.6	38
63	Larvicidal, ovicidal, and adulticidal efficacy of <i>Erythrina indica</i> (Lam.) (Family: Fabaceae) against <i>Anopheles stephensi</i> , <i>Aedes aegypti</i> , and <i>Culex quinquefasciatus</i> (Diptera: Culicidae). <i>Parasitology Research</i> , 2014, 113, 777-791.	1.6	36
64	Evaluation of plant-mediated synthesized silver nanoparticles against vector mosquitoes. <i>Parasitology Research</i> , 2014, 113, 4567-4577.	1.6	36
65	Toxicity of <i>Camellia sinensis</i> -Fabricated Silver Nanoparticles on Invertebrate and Vertebrate Organisms: Morphological Abnormalities and DNA Damages. <i>Journal of Cluster Science</i> , 2017, 28, 2027-2040.	3.3	36
66	Photocatalytic, antiproliferative and antimicrobial properties of copper nanoparticles synthesized using <i>Manilkara zapota</i> leaf extract: A photodynamic approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 32, 102058.	2.7	36
67	Facile fabrication of eco-friendly nano-mosquitocides: Biophysical characterization and effectiveness on neglected tropical mosquito vectors. <i>Enzyme and Microbial Technology</i> , 2016, 95, 155-163.	3.3	35
68	Swift production of rhamnolipid biosurfactant, biopolymer and synthesis of biosurfactant-wrapped silver nanoparticles and its enhanced oil recovery. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1892-1899.	3.9	35
69	Mosquito adulticidal and repellent activities of botanical extracts against malarial vector, <i>Anopheles stephensi</i> Liston (Diptera: Culicidae). <i>Asian Pacific Journal of Tropical Medicine</i> , 2011, 4, 941-947.	0.9	34
70	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> . <i>International Journal of Dermatology</i> , 2018, 57, 449-457.	1.0	34
71	Green synthesis of zinc oxide nanoparticles using <i>Anoectochilus elatus</i> , and their biomedical applications. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2270-2279.	3.9	34
72	<i>Clerodendrum chinense</i> -mediated biofabrication of silver nanoparticles: Mosquitocidal potential and acute toxicity against non-target aquatic organisms. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 51-58.	0.9	33

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73	Single-step biological fabrication of colloidal silver nanoparticles using <i>Hugonia mystax</i> : larvicidal potential against Zika virus, dengue, and malaria vector mosquitoes. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1317-1325.	4.0	32
74	Larvicidal activity of the essential oil from <i>Amomum subulatum</i> Roxb. (Zingiberaceae) against <i>Anopheles subpictus</i> , <i>Aedes albopictus</i> and <i>Culex tritaeniorhynchus</i> (Diptera: Culicidae), and non-target impact on four mosquito natural enemies. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 219-224.	2.6	32
75	Biogenic synthesis of aromatic cardamom-wrapped zinc oxide nanoparticles and their potential antibacterial and mosquito larvicidal activity: An effective eco-friendly approach. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104466.	6.9	32
76	The aromatic ginger <i>Kaempferia galanga</i> L. (Zingiberaceae) essential oil and its main compounds are effective larvicidal agents against <i>Aedes vittatus</i> and <i>Anopheles maculatus</i> without toxicity on the non-target aquatic fauna. <i>Industrial Crops and Products</i> , 2020, 158, 113012.	5.4	32
77	One-pot biogenic fabrication of silver nanocrystals using <i>Quisqualis indica</i> : Effectiveness on malaria and Zika virus mosquito vectors, and impact on non-target aquatic organisms. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 646-655.	3.9	31
78	Green and facile biosynthesis of silver nanocomposites using the aqueous extract of <i>Rubus ellipticus</i> leaves: Toxicity and oviposition deterrent activity against Zika virus, malaria and filariasis mosquito vectors. <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 157-164.	0.9	30
79	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> . <i>Journal of Nanoscience</i> , 2016, 2016, 1-7.	2.7	29
80	Curzerene, trans- β -elemenone, and β -elemene as effective larvicides against <i>Anopheles subpictus</i> , <i>Aedes albopictus</i> , and <i>Culex tritaeniorhynchus</i> : toxicity on non-target aquatic predators. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10272-10282.	5.3	29
81	Curcumin-encased hydroxyapatite nanoparticles as novel biomaterials for antimicrobial, antioxidant and anticancer applications: A perspective of nano-based drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101752.	3.1	29
82	One-Pot Synthesis of Dysprosium Oxide Nano-Sheets: Antimicrobial Potential and Cytotoxicity on A549 Lung Cancer Cells. <i>Journal of Cluster Science</i> , 2017, 28, 621-635.	3.3	27
83	Single-Step Biofabrication of Silver Nanocrystals Using <i>Naregamia alata</i> : A Cost Effective and Eco-Friendly Control Tool in the Fight Against Malaria, Zika Virus and St. Louis Encephalitis Mosquito Vectors. <i>Journal of Cluster Science</i> , 2017, 28, 179-203.	3.3	27
84	High efficacy of (Z)- β -bisabolene from the essential oil of <i>Galinsoga parviflora</i> (Asteraceae) as larvicide and oviposition deterrent against six mosquito vectors. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10555-10566.	5.3	27
85	One-pot fabrication of silver nanocrystals using <i>Ormocarpum cochinchinense</i> : Biophysical characterization of a potent mosquitocidal and toxicity on non-target mosquito predators. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 377-385.	0.9	26
86	β -glucan extracted from eukaryotic single-celled microorganism <i>Saccharomyces cerevisiae</i> : Dietary supplementation and enhanced ammonia stress tolerance on <i>Oreochromis mossambicus</i> . <i>Microbial Pathogenesis</i> , 2020, 139, 103917.	2.9	26
87	Green Synthesis of Copper Oxide Nanoparticles Using <i>Sesbania grandiflora</i> Leaf Extract and Their Evaluation of Anti-Diabetic, Cytotoxic, Anti-Microbial, and Anti-Inflammatory Properties in an In-Vitro Approach. <i>Fermentation</i> , 2023, 9, 332.	3.1	26
88	Swift Fabrication of Silver Nanoparticles Using <i>Bougainvillea glabra</i> : Potential Against the Japanese Encephalitis Vector, <i>Culex tritaeniorhynchus</i> Giles (Diptera: Culicidae). <i>Journal of Cluster Science</i> , 2017, 28, 37-58.	3.3	25
89	Green Synthesis of Ag Nanoparticles with Anti-bacterial Activity Using the Leaf Extract of an African Medicinal Plant, <i>Ipomoea asarifolia</i> (Convolvulaceae). <i>Journal of Cluster Science</i> , 2017, 28, 3009-3019.	3.3	25
90	Gum-Mediated Fabrication of Eco-Friendly Gold Nanoparticles Promoting Cell Division and Pollen Germination in Plant Cells. <i>Journal of Cluster Science</i> , 2017, 28, 507-517.	3.3	25

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91	Green synthesis of silver nanoparticles from <i>Cassia roxburghii</i> "a most potent power for mosquito control. <i>Parasitology Research</i> , 2015, 114, 4385-4395.	1.6	24
92	Synthesis and characterization of crustin capped titanium dioxide nanoparticles: Photocatalytic, antibacterial, antifungal and insecticidal activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111620.	3.9	24
93	Phenoloxidase activation, antimicrobial, and antibiofilm properties of β -glucan binding protein from <i>Scylla serrata</i> crab hemolymph. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 864-873.	7.7	23
94	<i>Brevibacillus laterosporus</i> isolated from the digestive tract of honeybees has high antimicrobial activity and promotes growth and productivity of honeybee " colonies. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10447-10455.	5.3	23
95	Searching for crab-borne antimicrobial peptides: Crustin from <i>Portunus pelagicus</i> triggers biofilm inhibition and immune responses of <i>Artemia salina</i> against GFP tagged <i>Vibrio parahaemolyticus</i> Dahv2. <i>Molecular Immunology</i> , 2018, 101, 396-408.	2.4	23
96	Phytochemical analysis and fabrication of silver nanoparticles using <i>Acacia catechu</i> : An efficacious and ecofriendly control tool against selected polyphagous insect pests. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 148-156.	3.9	23
97	<i>Zingiber cernuum</i> (Zingiberaceae) essential oil as effective larvicide and oviposition deterrent on six mosquito vectors, with little non-target toxicity on four aquatic mosquito predators. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10307-10316.	5.3	22
98	Nanosilver crystals capped with <i>Bauhinia acuminata</i> phytochemicals as new antimicrobials and mosquito larvicides. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 146-153.	3.2	22
99	Ovicidal, larvicidal and adulticidal properties of <i>Asparagus racemosus</i> (Willd.) (Family: Asparagaceae) root extracts against filariasis (<i>Culex quinquefasciatus</i>), dengue (<i>Aedes aegypti</i>) and malaria (<i>Anopheles stephensi</i>) vector mosquitoes (Diptera: Culicidae). <i>Parasitology Research</i> , 2014, 113, 1435-1449.	1.6	21
100	Growth inhibition and antibiofilm potential of Ag nanoparticles coated with lectin, an arthropod immune molecule. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 170, 208-216.	3.9	21
101	One-Pot Green Synthesis of Silver Nanoparticles Using the Orchid Leaf Extracts of <i>Anoectochilus elatus</i> : Growth Inhibition Activity on Seven Microbial Pathogens. <i>Journal of Cluster Science</i> , 2017, 28, 1541-1550.	3.3	21
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