Vaseeharan Baskaralingam

List of Publications by Year
in descending order

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220	8,814	41627	71088
papers	citations	51 h-index	80 g-index

226	226	226	9617
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of chemical compositions and antioxidant potential of marine microalgae of the genus Nannochloropsis. Biomass Conversion and Biorefinery, 2023, 13, 15751-15757.	2.9	2
2	Volatile Organic Compounds as Potential Biomarkers for Noninvasive Disease Detection by Nanosensors: A Comprehensive Review. Critical Reviews in Analytical Chemistry, 2023, 53, 1828-1839.	1.8	14
3	Comprehensive Analysis of SARS-COV-2 Drug Targets and Pharmacological Aspects in Treating the COVID-19. Current Molecular Pharmacology, 2022, 15, 393-417.	0.7	6
4	The dietary supplementation of zinc oxide and selenium nanoparticles enhance the immune response in freshwater fish Oreochromis mossambicus against aquatic pathogen Aeromonas hydrophila. Journal of Trace Elements in Medicine and Biology, 2022, 69, 126878.	1.5	6
5	Î²-1,3-Glucan binding protein-based silver nanoparticles enhance the wound healing potential and disease resistance in Oreochromis mossambicus against Aeromonas hydrophilla. Microbial Pathogenesis, 2022, 162, 105360.	1.3	5
6	Molecular interaction analysis of Î²-1, 3 glucan binding protein with Bacillus licheniformis and evaluation of its immunostimulant property in Oreochromis mossambicus. Fish and Shellfish Immunology, 2022, 121, 183-196.	1.6	2
7	Culinary spices mediated biogenesis of nanoparticles for cancer and diabetes treatment. , 2022, , 59-76.		0
8	Phytotherapy and combined nanoformulations as a promising disease management in aquaculture: a review. Aquaculture International, 2022, 30, 1071-1086.	1.1	22
9	Comparative evaluation on the toxic effect of silver (Ag) and zinc oxide (ZnO) nanoparticles on different trophic levels in aquatic ecosystems: A review. Journal of Applied Toxicology, 2022, 42, 1890-1900.	1.4	16
10	Synthesis and characterization of cry protein coated zinc oxide nanocomposites and its assessment against bacterial biofilm and mosquito vectors. International Journal of Biological Macromolecules, 2022, 208, 935-947.	3.6	1
11	Evaluating the structural and immune mechanism of Interleukin-6 for the investigation of goat milk peptides as potential treatments for COVID-19. Journal of King Saud University - Science, 2022, 34, 101924.	1.6	6
12	Toxicity evaluation of polypropylene microplastic on marine microcrustacean Artemia salina: An analysis of implications and vulnerability. Chemosphere, 2022, 296, 133990.	4.2	39
13	Synthesis and physicochemical characteristics of Ag-doped hydroxyapatite nanoparticles, and their potential biomedical applications. Environmental Research, 2022, 210, 112979.	3.7	19
14	Dietary consumption of polypropylene microplastics alter the biochemical parameters and histological response in freshwater benthic mollusc Pomacea paludosa. Environmental Research, 2022, 212, 113370.	3.7	26
15	Swift synthesis of zinc oxide nanoparticles using unripe fruit extract of Pergularia daemia: An enhanced and eco-friendly control agent against Zika virus vector Aedes aegypti. Acta Tropica, 2022, 232, 106489.	0.9	4
16	A Review on Biogenic Synthesis of Selenium Nanoparticles and Its Biological Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2355-2370.	1.9	14
17	Protective effects of dietary supplementation of probiotic Bacillus licheniformis Dahb1 against ammonia induced immunotoxicity and oxidative stress in Oreochromis mossambicus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 259, 109379.	1.3	13
18	Comparative toxicity of silver nanoparticles and silver nitrate in freshwater fish Oreochromis mossambicus: A multi-biomarker approach. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 259, 109391.	1.3	8

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19	Biogenic Synthesis of Rod Shaped ZnO Nanoparticles Using Red Paprika (Capsicum annuum L. var.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	8
20	Synthesis and Bio-physical Characterization of Crustin Capped Zinc Oxide Nanoparticles, and Their Photocatalytic, Antibacterial, Antifungal and Antibiofilm Activity. Journal of Cluster Science, 2021, 32, 843-855.	1.7	8
21	Biogenic Preparation and Characterization of ZnO Nanoparticles from Natural Polysaccharide Azadirachta indica .L. (neem gum) and its Clinical Implications. Journal of Cluster Science, 2021, 32, 983-993.	1.7	21
22	Biological Compound Capping of Silver Nanoparticle with the Seed Extracts of Blackcumin (Nigella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Inorganic and Organometallic Polymers and Materials, 2021, 31, 624-635.	1.9	35
23	Purification and partial characterization of carbohydrate-recognition protein C-type lectin from Hemifusus pugilinus. Carbohydrate Research, 2021, 499, 108224.	1.1	8
24	Shrimp lectinâ€“conjugated copper sulfide nanoparticles enhance immune response and gene expression in Etroplus suratensis infected with Aeromonas hydrophila. Aquaculture International, 2021, 29, 1103-1120.	1.1	4
25	Bioactive compounds from various types of sea urchin and their therapeutic effects â€" A review. Regional Studies in Marine Science, 2021, 44, 101760.	0.4	6
26	A Review on Aquatic Impacts of Microplastics and Its Bioremediation Aspects. Current Pollution Reports, 2021, 7, 286-299.	3.1	41
27	Bio-Fabrication of Human Amniotic Membrane Zinc Oxide Nanoparticles and the Wet/Dry HAM Dressing Membrane for Wound Healing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 695710.	2.0	11
28	Identification of a Chitooligosaccharide Mechanism against Bacterial Leaf Blight on Rice by In Vitro and In Silico Studies. International Journal of Molecular Sciences, 2021, 22, 7990.	1.8	7
29	Antibacterial and antibiofilm activities of marine polysaccharide laminarin formulated gold nanoparticles: An ecotoxicity and cytotoxicity assessment. Journal of Environmental Chemical Engineering, 2021, 9, 105514.	3.3	14
30	Ulvan loaded graphene oxide nanoparticle fabricated with chitosan and d-mannose for targeted anticancer drug delivery. Journal of Drug Delivery Science and Technology, 2021, 65, 102760.	1.4	25
31	Cytotoxicity, phytotoxicity, and photocatalytic assessment of biopolymer cellulose-mediated silver nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127270.	2.3	12
32	Interactive effects of freshwater acidification and selenium pollution on biochemical changes and neurotoxicity in Oreochromis mossambicus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 250, 109161.	1.3	11
33	SARS-CoV-2 spike protein: Site-specific breakpoints for the development of COVID-19 vaccines. Journal of King Saud University - Science, 2021, 33, 101648.	1.6	11
34	Antibacterial greener silver nanoparticles synthesized using Marsilea quadrifolia extract and their eco-friendly evaluation against Zika virus vector, Aedes aegypti. Green Processing and Synthesis, 2021, 10, 742-755.	1.3	4
35	Synthesis and Characterization of Zinc Oxide Nanoparticles Using Cynara scolymus Leaves: Enhanced Hemolytic, Antimicrobial, Antiproliferative, and Photocatalytic Activity. Journal of Cluster Science, 2020, 31, 791-801.	1.7	40
36	Nano Biomedical Potential of Biopolymer Chitosan-Capped Silver Nanoparticles with Special Reference to Antibacterial, Antibiofilm, Anticoagulant andÂWound Dressing Material. Journal of Cluster Science, 2020, 31, 355-366.	1.7	37

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37	Green Synthesis and Characterization of Silver Nanoparticles (AgNPs) Using Leaf Extract of Solanum nigrum and Assessment of Toxicity in Vertebrate and Invertebrate Aquatic Animals. Journal of Cluster Science, 2020, 31, 989-1002.	1.7	19
38	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.	1.4	83
39	Isolation of Î²-glucan from Eleusine coracana and its antibiofilm, antidiabetic, antioxidant, and biocompatible activities. Microbial Pathogenesis, 2020, 140, 103955.	1.3	13
40	Biopolymer K-carrageenan wrapped ZnO nanoparticles as drug delivery vehicles for anti MRSA therapy. International Journal of Biological Macromolecules, 2020, 144, 9-18.	3.6	56
41	Purification of WAP domain-containing antimicrobial peptides from green tiger shrimp Peaneaus semisulcatus. Microbial Pathogenesis, 2020, 140, 103920.	1.3	8
42	Î²-glucan extracted from eukaryotic single-celled microorganism Saccharomyces cerevisiae: Dietary supplementation and enhanced ammonia stress tolerance on Oreochromis mossambicus. Microbial Pathogenesis, 2020, 139, 103917.	1.3	24
43	Effect of Amino Acid Substitution in the Penaeus monodon LGBP and Specificity Through Mutational Analysis. International Journal of Peptide Research and Therapeutics, 2020, 26, 1789-1801.	0.9	2
44	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.	3.3	30
45	Photocatalytic, antiproliferative and antimicrobial properties of copper nanoparticles synthesized using Manilkara zapota leaf extract: A photodynamic approach. Photodiagnosis and Photodynamic Therapy, 2020, 32, 102058.	1.3	32
46	Antibiofilm and immunological properties of lectin purified from shrimp Penaeus semisulcatus. Fish and Shellfish Immunology, 2020, 106, 776-782.	1.6	11
47	Identification and characterization of bioactive pigment carotenoids from shrimps and their biofilm inhibition. Journal of Food Processing and Preservation, 2020, 44, e14728.	0.9	6
48	Effect of curcumin sorbed selenite substituted hydroxyapatite on osteosarcoma cells: An in vitro study. Journal of Drug Delivery Science and Technology, 2020, 60, 101963.	1.4	12
49	South Indian medicinal plants can combat deadly viruses along with COVID-19? - A review. Microbial Pathogenesis, 2020, 148, 104277.	1.3	48
50	Chitosan-coated silver nanoparticles promoted antibacterial, antibiofilm, wound-healing of murine macrophages and antiproliferation of human breast cancer MCF 7 cells. Polymer Testing, 2020, 90, 106675.	2.3	40
51	Immunological and antibiofilm property of haemocyanin purified from grooved tiger shrimp (Penaeus) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	6
52	Morphological and functional characterization of circulating hemocytes using microscopy techniques. Microscopy Research and Technique, 2020, 83, 736-743.	1.2	5
53	Antibiofilm and anticancer potential of Î²-glucan-binding protein-encrusted zinc oxide nanoparticles. Microbial Pathogenesis, 2020, 141, 103992.	1.3	14
54	Characterization and structural analysis of prophenoloxidase in mud crab Scylla serrata and discovering novel chemical inhibitors through virtual screening. Structural Chemistry, 2020, 31, 1563-1584.	1.0	1

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55	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.	1.4	24
56	High synergistic antibacterial, antibiofilm, antidiabetic and antimetabolic activity of Withania somnifera leaf extract-assisted zinc oxide nanoparticle. Bioprocess and Biosystems Engineering, 2020, 43, 1533-1547.	1.7	38
57	The antibacterial, antibiofilm, antifogging and mosquitocidal activities of titanium dioxide (TiO2) nanoparticles green-synthesized using multiple plants extracts. Journal of Environmental Chemical Engineering, 2020, 8, 104521.	3.3	42
58	Facile synthesis of haemocyanin-capped zinc oxide nanoparticles: Effect on growth performance, digestive-enzyme activity, and immune responses of Penaeus semisulcatus. International Journal of Biological Macromolecules, 2019, 139, 688-696.	3.6	9
59	Anti-cancer, anti-biofilm, and anti-inflammatory properties of henâ€™s albumen: A photodynamic approach. Photodiagnosis and Photodynamic Therapy, 2019, 28, 1-7.	1.3	4
60	Garlic clove extract assisted silver nanoparticle â€“ Antibacterial, antibiofilm, antihelminthic, anti-inflammatory, anticancer and ecotoxicity assessment. Journal of Photochemistry and Photobiology B: Biology, 2019, 198, 111558.	1.7	103
61	Protective activity of beta-1, 3-glucan binding protein against AAPH induced oxidative stress in Saccharomyces cerevisiae. International Journal of Biological Macromolecules, 2019, 138, 890-902.	3.6	7
62	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.	1.7	95
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.	1.5	42
64	Organic-to-water dispersible Mn:ZnSâ€“ZnS doped coreâ€“shell quantum dots: synthesis, characterization and their application towards optical bioimaging and a turn-off fluorosensor. New Journal of Chemistry, 2019, 43, 11912-11925.	1.4	10
65	Antimicrobial and biochemical characterization of a C-type lectin isolated from pearl spot (Etroplus) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	13
66	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.	1.7	22
67	Anti-biofilm properties and immunological response of an immune molecule lectin isolated from shrimp Metapenaeus monoceros. Fish and Shellfish Immunology, 2019, 94, 896-906.	1.6	13
68	Microbial exopolymer-capped selenium nanowires â€“ Towards new antibacterial, antibiofilm and arbovirus vector larvicides?. Journal of Photochemistry and Photobiology B: Biology, 2019, 192, 55-67.	1.7	19
69	In vitro and In vivo toxicity assessment of phytofabricated ZnO nanoparticles showing bacteriostatic effect and larvicidal efficacy against Culex quinquefasciatus. Journal of Photochemistry and Photobiology B: Biology, 2019, 192, 158-169.	1.7	23
70	Bioinspired Zinc Oxide Nanoparticles Using Lycopersicon esculentum for Antimicrobial and Anticancer Applications. Journal of Cluster Science, 2019, 30, 1465-1479.	1.7	50
71	In vitro and in vivo toxicity assessment of selenium nanoparticles with significant larvicidal and bacteriostatic properties. Materials Science and Engineering C, 2019, 103, 109763.	3.8	55
72	Novel and Facile Synthesis of Sea Anemone Adhesive Protein-Coated ZnO Nanoparticles: Antioxidant, Antibiofilm, and Mosquito Larvicidal Activity Against Aedes aegypti. Journal of Cluster Science, 2019, 30, 1393-1402.	1.7	3

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73	Enhanced antibacterial activity of hemocyanin purified from Portunus pelagicus hemolymph combined with silver nanoparticles â€“ Intracellular uptake and mode of action. Journal of Trace Elements in Medicine and Biology, 2019, 54, 8-20.	1.5	9
74	In-vitro dissolution and microbial inhibition studies on anticancer drug etoposide with Î²-cyclodextrin. Materials Science and Engineering C, 2019, 102, 96-105.	3.8	25
75	The Role of Lectins in Finfish: A Review. Reviews in Fisheries Science and Aquaculture, 2019, 27, 152-169.	5.1	38
76	Crustin-capped selenium nanowires against microbial pathogens and Japanese encephalitis mosquito vectors â€“ Insights on their toxicity and internalization. Journal of Trace Elements in Medicine and Biology, 2019, 51, 191-203.	1.5	20
77	Molecular identification and structural characterization of marine endophytic actinomycetes Nocardiopsis sp. GRG 2 (KT 235641) and its antibacterial efficacy against isolated ESBL producing bacteria. Microbial Pathogenesis, 2019, 126, 138-148.	1.3	37
78	Modulation of innate immunity, expression of cytokine genes and disease resistance against Aeromonas hydrophila infection in goldfish (Carassius auratus) by dietary supplementation with Exiguobacterium acetylicum S01. Fish and Shellfish Immunology, 2019, 84, 458-469.	1.6	36
79	Swift fabrication of Ag nanostructures using a colloidal solution of Holostemma ada-kodien (Apocynaceae) â€“ Antibiofilm potential, insecticidal activity against mosquitoes and non-target impact on water bugs. Journal of Photochemistry and Photobiology B: Biology, 2018, 181, 70-79.	1.7	14
80	Effect of Î²-1, 3 glucan binding protein based zinc oxide nanoparticles supplemented diet on immune response and disease resistance in Oreochromis mossambicus against Aeromonas hydrophila. Fish and Shellfish Immunology, 2018, 76, 247-259.	1.6	42
81	Identification, characterization and immune response of prophenoloxidase from the blue swimmer crab Portunus pelagicus and its antibiofilm activity. International Journal of Biological Macromolecules, 2018, 113, 996-1007.	3.6	9
82	Proteomics analysis of crude squid ink isolated from Sepia esculenta for their antimicrobial, antibiofilm and cytotoxic properties. Microbial Pathogenesis, 2018, 116, 345-350.	1.3	16
83	High efficacy of (Z)-Î³-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.	2.7	25
84	Bio-mining drugs from the sea: High antibiofilm properties of haemocyanin purified from the haemolymph of flower crab Portunus pelagicus (L.) (Decapoda: Portunidae). Aquaculture, 2018, 489, 130-140.	1.7	15
85	Dietary supplementation of probiotic Bacillus licheniformis Dahb1 improves growth performance, mucus and serum immune parameters, antioxidant enzyme activity as well as resistance against Aeromonas hydrophila in tilapia Oreochromis mossambicus. Fish and Shellfish Immunology, 2018, 74, 501-508.	1.6	212
86	Investigation of antioxidant and anticancer potential of fucoidan from Sargassum polycystum. International Journal of Biological Macromolecules, 2018, 116, 151-161.	3.6	82
87	Structural characterization of Bacillus licheniformis Dahb1 exopolysaccharideâ€"antimicrobial potential and larvicidal activity on malaria and Zika virus mosquito vectors. Environmental Science and Pollution Research, 2018, 25, 18604-18619.	2.7	44
88	Sargassum wightii -synthesized ZnO nanoparticles â€“ 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.	1.7	56
89	Phenoloxidase activation, antimicrobial, and antibiofilm properties of Î²-glucan binding protein from Scylla serrata crab hemolymph. International Journal of Biological Macromolecules, 2018, 114, 864-873.	3.6	22
90	Antibiofilm effect of Nocardiopsis sp. GRG 1 (KT235640) compound against biofilm forming Gram negative bacteria on UTIs. Microbial Pathogenesis, 2018, 118, 190-198.	1.3	52

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91	Green larvicides against blowflies, Lucilia sericata (Diptera, Calliphoridae): Screening of seven plants used in Indian ethno-veterinary medicine and production of green-coated zinc oxideÂnanoparticles. Physiological and Molecular Plant Pathology, 2018, 101, 214-218.	1.3	14
92	Sargassum wightii -synthesized ZnO nanoparticles reduce the fitness and reproduction of the malaria vector Anopheles stephensi and cotton bollworm Helicoverpa armigera. Physiological and Molecular Plant Pathology, 2018, 101, 202-213.	1.3	68
93	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.	2.7	111
94	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.	1.5	140
95	Phosphine-Free, Highly Emissive, Water-Soluble Mn:ZnSe/ZnS Coreâ€“Shell Nanorods: Synthesis, Characterization, and in Vitro Bioimaging of HEK293 and HeLa Cells. ACS Applied Nano Materials, 2018, 1, 371-383.	2.4	33
96	Insecticidal activity of camphene, zerumbone and Î±-humulene from Cheilocostus speciosus rhizome essential oil against the Old-World bollworm, Helicoverpa armigera. Ecotoxicology and Environmental Safety, 2018, 148, 781-786.	2.9	62
97	In vitro antagonistic activity and the protective effect of probiotic Bacillus licheniformis Dahb1 in zebrafish challenged with GFP tagged Vibrio parahaemolyticus Dahv2. Microbial Pathogenesis, 2018, 114, 274-280.	1.3	19
98	Biological synthesis of silver nanoparticles using Î²-1, 3 glucan binding protein and their antibacterial, antibiofilm and cytotoxic potential. Microbial Pathogenesis, 2018, 115, 31-40.	1.3	52
99	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.	1.7	295
100	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.	1.7	120
101	Synthesis of chitosan-alginate microspheres with high antimicrobial and antibiofilm activity against multi-drug resistant microbial pathogens. Microbial Pathogenesis, 2018, 114, 17-24.	1.3	49
102	Colloidal Gradated Alloyed (Cu)ZnInS/ZnS Core/Shell Nanocrystals with Tunable Optical Properties for Live Cell Optical Imaging. ChemistrySelect, 2018, 3, 5993-6008.	0.7	3
103	Modulation of quorum sensing-controlled virulence.factors in Chromobacterium violaceum by selective amino acids. FEMS Microbiology Letters, 2018, 365, .	0.7	9
104	Î²-1, 3 glucan binding protein based selenium nanowire enhances the immune status of Cyprinus carpio and protection against Aeromonas hydrophila infection. Fish and Shellfish Immunology, 2018, 83, 61-75.	1.6	54
105	Antibiofilm, anti cancer and ecotoxicity properties of collagen based ZnO nanoparticles. Advanced Powder Technology, 2018, 29, 2331-2345.	2.0	49
106	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.	1.0	22
107	Bioaccumulation, cytotoxicity and oxidative stress of the acute exposure selenium in Oreochromis mossambicus. Ecotoxicology and Environmental Safety, 2018, 162, 147-159.	2.9	171
108	Cytotoxicity of phloroglucinol engineered silver (Ag) nanoparticles against MCF-7 breast cancer cell lines. Materials Chemistry and Physics, 2018, 220, 402-408.	2.0	29

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109	Purification, characterization and functional analysis of the immune molecule lectin from the haemolymph of blue swimmer crab Portunus pelagicus and their antibiofilm properties. Fish and Shellfish Immunology, 2017, 62, 227-237.	1.6	29
110	Biological therapeutics of Pongamia pinnata coated zinc oxide nanoparticles against clinically important pathogenic bacteria, fungi and MCF-7 breast cancer cells. Microbial Pathogenesis, 2017, 104, 268-277.	1.3	131
111	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.	1.7	19
112	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. Aquatic Toxicology, 2017, 188, 100-108.	1.9	40
113	Green Synthesized Silver Nanoparticles: Toxicity Against Poecilia reticulata Fishes and Ceriodaphnia cornuta Crustaceans. Journal of Cluster Science, 2017, 28, 519-527.	1.7	18
114	A novel antimicrobial therapy for the control of Aeromonas hydrophila infection in aquaculture using marine polysaccharide coated gold nanoparticle. Microbial Pathogenesis, 2017, 110, 140-151.	1.3	40
115	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.	0.6	65
116	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.	1.7	31
117	Control of biofilm forming clinically important bacteria by green synthesized ZnO nanoparticles and its ecotoxicity on Ceriodaphnia cornuta. Microbial Pathogenesis, 2017, 107, 88-97.	1.3	37
118	A study on Î²-glucan binding protein (Î²-GBP) and its involvement in phenoloxidase cascade in Indian white shrimp Fenneropenaeus indicus. Molecular Immunology, 2017, 92, 1-11.	1.0	13
119	Two potential uses for silver nanoparticles coated with Solanum nigrum unripe fruit extract: Biofilm inhibition and photodegradation of dye effluent. Microbial Pathogenesis, 2017, 111, 316-324.	1.3	48
120	Nanoparticles as effective acaricides against ticksâ€"A review. Ticks and Tick-borne Diseases, 2017, 8, 821-826.	1.1	72
121	Exploitation of chemical, herbal and nanoformulated acaricides to control the cattle tick, Rhipicephalus (Boophilus) microplus â€“ A review. Veterinary Parasitology, 2017, 244, 102-110.	0.7	94
122	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.	1.7	65
123	Bacillus thuringiensis coated zinc oxide nanoparticle and its biopesticidal effects on the pulse beetle, Callosobruchus maculatus. Journal of Photochemistry and Photobiology B: Biology, 2017, 174, 306-314.	1.7	77
124	Ecotoxicity of Musa paradisiaca leaf extract-coated ZnO nanoparticles to the freshwater microcrustacean Ceriodaphnia cornuta. Limnologica, 2017, 67, 1-6.	0.7	20
125	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.	1.7	75
126	Multipurpose efficacy of ZnO nanoparticles coated by the crustacean immune molecule Î²-1, 3-glucan binding protein: Toxicity on HepG2 liver cancer cells and bacterial pathogens. Colloids and Surfaces B: Biointerfaces, 2017, 158, 257-269.	2.5	50

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127	Role of purified Î²-1, 3 glucan binding protein (Î²-GBP) from Paratelphusa hydrodromus and their anti-inflammatory, antioxidant and antibiofilm properties. Fish and Shellfish Immunology, 2017, 68, 54-64.	1.6	23
128	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.	1.7	21
129	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
130	In vitro and in silico studies on cell adhesion protein peroxinectin from Fenneropenaeus indicus and screening of heme blockers against activity. Journal of Molecular Recognition, 2016, 29, 186-198.	1.1	6
131	Modeling of macromolecular proteins in prophenoloxidase cascade through experimental and computational approaches. Biotechnology and Applied Biochemistry, 2016, 63, 779-788.	1.4	7
132	Host-guest molecular recognition based fluorescence On-Off-On chemosensor for nanomolar level detection of Cu2+ and Cr2O72â^' ions: Application in XNOR logic gate and human lung cancer living cell imaging. Sensors and Actuators B: Chemical, 2016, 234, 300-315.	4.0	56
133	Protective effects of chitosan against the hazardous effects of zinc oxide nanoparticle in freshwater crustaceans Ceriodaphnia cornuta and Moina micrura. Limnologica, 2016, 61, 44-51.	0.7	25
134	Oreochromis mossambicus diet supplementation with Psidium guajava leaf extracts enhance growth, immune, antioxidant response and resistance to Aeromonas hydrophila. Fish and Shellfish Immunology, 2016, 58, 572-583.	1.6	95
135	Antibacterial and antibiofilm assessment of Momordica charantia fruit extract coated silver nanoparticle. Biocatalysis and Agricultural Biotechnology, 2016, 8, 189-196.	1.5	49
136	Chitosan coated Ag/ZnO nanocomposite and their antibiofilm, antifungal and cytotoxic effects on murine macrophages. Microbial Pathogenesis, 2016, 100, 124-132.	1.3	83
137	Laurus nobilis leaf extract mediated green synthesis of ZnO nanoparticles: Characterization and biomedical applications. Biomedicine and Pharmacotherapy, 2016, 84, 1213-1222.	2.5	211
138	Haemolytic and antibiofilm properties of haemocyanin purified from the haemolymph of Indian white shrimp Fenneropenaeus indicus. Fish and Shellfish Immunology, 2016, 59, 447-455.	1.6	18
139	Biosynthesis of silver nanoparticles using a probiotic Bacillus licheniformis Dahb1 and their antibiofilm activity and toxicity effects in Ceriodaphnia cornuta. Microbial Pathogenesis, 2016, 93, 70-77.	1.3	111
140	Invitro acaricidal activity of ethnoveterinary plants and green synthesis of zinc oxide nanoparticles against Rhipicephalus (Boophilus) microplus. Veterinary Parasitology, 2016, 216, 93-100.	0.7	56
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