

Ramangalingam Kirubakaran

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72
papers

1,362
citations

21
h-index

33
g-index

74
ext. papers

1,616
ext. citations

4.4
avg, IF

4.62
L-index

#	Paper	IF	Citations
72	Evaluation of zinc oxide nanoparticles toxicity on marine algae chlorella vulgaris through flow cytometric, cytotoxicity and oxidative stress analysis. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 113, 23-30	7	175
71	The biology of triploid fish. <i>Reviews in Fish Biology and Fisheries</i> , 2004 , 14, 391-402	6	112
70	Silver nanoparticles with anti microfouling effect: a study against marine biofilm forming bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 111, 636-43	6	64
69	Novel marine actinobacteria from emerald Andaman & Nicobar Islands: a prospective source for industrial and pharmaceutical byproducts. <i>BMC Microbiology</i> , 2013 , 13, 145	4.5	61
68	Multifaceted Applications of Microbial Pigments: Current Knowledge, Challenges and Future Directions for Public Health Implications. <i>Microorganisms</i> , 2019 , 7,	4.9	58
67	Hormonal coordination of molting and female reproduction by ecdysteroids in the mole crab <i>Emerita asiatica</i> (Milne Edwards). <i>General and Comparative Endocrinology</i> , 2004 , 138, 128-38	3	42
66	Water quality assessment using water quality index and geographical information system methods in the coastal waters of Andaman Sea, India. <i>Marine Pollution Bulletin</i> , 2015 , 100, 555-561	6.7	39
65	Surfactant-induced conformational transition of amyloid beta-peptide. <i>European Biophysics Journal</i> , 2009 , 38, 355-67	1.9	37
64	Long-lived atmospheric trace gases measurements in flask samples from three stations in India. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 9819-9849	6.8	33
63	Melatonin prevents amyloid protofibrillar induced oxidative imbalance and biogenic amine catabolism. <i>Life Sciences</i> , 2008 , 83, 96-102	6.8	30
62	The neuroprotective efficacy of alpha-crystallin against acute inflammation in mice. <i>Brain Research Bulletin</i> , 2005 , 67, 235-41	3.9	30
61	Cloning, expression and enzyme activity analysis of testicular 11beta-hydroxysteroid dehydrogenase during seasonal cycle and after hCG induction in air-breathing catfish <i>Clarias gariepinus</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 120, 1-10	5.1	28
60	Toxic effects of three mercurial compounds on survival, and histology of the kidney of the catfish <i>Clarias batrachus</i> (L.). <i>Ecotoxicology and Environmental Safety</i> , 1988 , 15, 171-9	7	27
59	Ultrasonic-assisted green synthesis of flower like silver nanocolloids using marine sponge extract and its effect on oral biofilm bacteria and oral cancer cell lines. <i>Microbial Pathogenesis</i> , 2016 , 99, 135-141 ^{3.8}	3.8	24
58	Anti-inflammatory effect of melatonin on A beta vaccination in mice. <i>Molecular and Cellular Biochemistry</i> , 2007 , 298, 69-81	4.2	24
57	Changes in adrenocortical-pituitary activity in the catfish, <i>Clarias batrachus</i> (L.), after mercury treatment. <i>Ecotoxicology and Environmental Safety</i> , 1991 , 22, 36-44	7	24
56	Toxic effects of mercuric chloride, methylmercuric chloride, and emisan 6 (an organic mercurial fungicide) on ovarian recrudescence in the catfish <i>Clarias batrachus</i> (L.). <i>Bulletin of Environmental Contamination and Toxicology</i> , 1988 , 41, 902-9	2.7	24

55	Multivariate statistical approach to identify significant sources influencing the physico-chemical variables in Aerial Bay, North Andaman, India. <i>Marine Pollution Bulletin</i> , 2014 , 85, 261-7	6.7	23
54	L-Asparaginase from <i>Streptomyces griseus</i> NIOT-VKMA29: optimization of process variables using factorial designs and molecular characterization of L-asparaginase gene. <i>Scientific Reports</i> , 2015 , 5, 12404-9	4.9	23
53	Novel glutaminase free L-asparaginase from <i>Nocardiopsis alba</i> NIOT-VKMA08: production, optimization, functional and molecular characterization. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 373-88	3.7	22
52	Effect of methyl testosterone- and ethynyl estradiol-induced sex differentiation on catfish, <i>Clarias gariepinus</i> : expression profiles of DMRT1, Cytochrome P450aromatases and 3 beta-hydroxysteroid dehydrogenase. <i>Fish Physiology and Biochemistry</i> , 2005 , 31, 143-7	2.7	21
51	Analytical evaluation of different carbon sources and growth stimulators on the biomass and lipid production of <i>Chlorella vulgaris</i> Implications for biofuels. <i>Biomass and Bioenergy</i> , 2015 , 75, 170-179	5.3	19
50	Coral reef recovery status in south Andaman Islands after the bleaching event 2010. <i>Journal of Ocean University of China</i> , 2013 , 12, 91-96	1	18
49	Complex bacterial communities in the deep-sea sediments of the Bay of Bengal and volcanic Barren Island in the Andaman Sea. <i>Marine Genomics</i> , 2017 , 31, 33-41	1.9	18
48	Changes in brain monoamine levels and monoamine oxidase activity in the catfish, <i>Clarias batrachus</i> , during chronic treatments with mercurials. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1990 , 45, 88-93	2.7	18
47	Molecular expression of l-asparaginase gene from <i>Nocardiopsis alba</i> NIOT-VKMA08 in <i>Escherichia coli</i> : A prospective recombinant enzyme for leukaemia chemotherapy. <i>Gene</i> , 2016 , 590, 220-6	3.8	18
46	Heterologous expression, purification, and phylogenetic analysis of oil-degrading biosurfactant biosynthesis genes from the marine sponge-associated <i>Bacillus licheniformis</i> NIOT-06. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 1009-18	3.7	17
45	Post tsunami mangrove evaluation in coastal vicinity of Andaman Islands, India. <i>Journal of Coastal Conservation</i> , 2014 , 18, 249-255	1.9	16
44	Toxic effects of mercurials on thyroid function of the catfish, <i>Clarias batrachus</i> (L.). <i>Ecotoxicology and Environmental Safety</i> , 1989 , 17, 265-71	7	16
43	Assessment of trace metal contamination in the marine sediment, seawater, and bivalves of Parangipettai, southeast coast of India. <i>Marine Pollution Bulletin</i> , 2019 , 149, 110499	6.7	15
42	Plasma levels of Gonadotropin-II and gonadal sex steroids in triploid catfish, <i>Heteropneustes fossilis</i> (Bloch). <i>Fish Physiology and Biochemistry</i> , 2001 , 24, 9-14	2.7	15
41	Effects of short-term exposure to methylmercury chloride and its withdrawal on serum levels of thyroid hormones in the catfish <i>Clarias batrachus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 1994 , 53, 166-70	2.7	15
40	Applications of Prodigiosin Extracted from Marine Red Pigmented Bacteria sp. and Actinomycete sp. <i>Microorganisms</i> , 2020 , 8,	4.9	13
39	Effect of chlorination on barnacle larval stages: Implications for biofouling control and environmental impact. <i>International Biodeterioration and Biodegradation</i> , 2016 , 109, 141-149	4.8	13
38	The protective role of DL-alpha-lipoic acid in biogenic amines catabolism triggered by Abeta amyloid vaccination in mice. <i>Brain Research Bulletin</i> , 2005 , 65, 361-7	3.9	13

37	Extensive <i>Chaetoceros curvisetus</i> bloom in relation to water quality in Port Blair Bay, Andaman Islands. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 226	3.1	12
36	Immobilization of proteolytic enzyme on highly porous activated carbon derived from rice bran. <i>Journal of Porous Materials</i> , 2009 , 16, 439-445	2.4	12
35	Lipid-induced conformational transition of amyloid beta peptide fragments. <i>Journal of Molecular Neuroscience</i> , 2010 , 41, 368-82	3.3	12
34	Enterococcus species diversity and molecular characterization of biomarker genes in <i>Enterococcus faecalis</i> in Port Blair Bay, Andaman and Nicobar Islands, India. <i>Marine Pollution Bulletin</i> , 2015 , 94, 217-27	6.7	10
33	A novel approach to predict chlorophyll-a in coastal-marine ecosystems using multiple linear regression and principal component scores. <i>Marine Pollution Bulletin</i> , 2020 , 152, 110902	6.7	10
32	Effects of nonionic surfactant on hydrolysis and fermentation of protein rich tannery solid waste. <i>Biodegradation</i> , 2008 , 19, 739-48	4.1	10
31	A fence that eats the weed: Alginate lyase immobilization on ultrafiltration membrane for fouling mitigation and flux recovery. <i>Chemosphere</i> , 2016 , 165, 144-151	8.4	10
30	Testosterone triggers the brain-pituitary-gonad axis of juvenile female catfish (<i>Heteropneustes fossilis</i> Bloch) for precocious ovarian maturation. <i>General and Comparative Endocrinology</i> , 2002 , 126, 23-9	3	9
29	Changes in vertebrate-type steroids and 5-hydroxytryptamine during ovarian recrudescence in the Indian spiny lobster, <i>Panulirus homarus</i> . <i>New Zealand Journal of Marine and Freshwater Research</i> , 2005 , 39, 527-537	1.3	9
28	Multivariate and geo-spatial approach for seawater quality of Chidiyatappu Bay, south Andaman Islands, India. <i>Marine Pollution Bulletin</i> , 2015 , 96, 463-70	6.7	8
27	Influence of fermentation metabolites on redox potential in anaerobic digestion of proteinaceous solid wastes by <i>Synergistes</i> sp.. <i>Engineering in Life Sciences</i> , 2010 , 10, 368-373	3.4	8
26	Spectral characterization of β -carotene-3, 3'-diol (lutein) from marine microalgae <i>Chlorella salina</i> . <i>Renewable Energy</i> , 2016 , 98, 78-83	8.1	8
25	Geographic information systems and multivariate analysis to evaluate fecal bacterial pollution in coastal waters of Andaman, India. <i>Environmental Pollution</i> , 2016 , 214, 45-53	9.3	8
24	Chlorination induced damage and recovery in marine diatoms: Assay by SYTOX [®] Green staining. <i>Marine Pollution Bulletin</i> , 2017 , 124, 819-826	6.7	7
23	Chlorine dioxide as an alternative antifouling biocide for cooling water systems: Toxicity to larval barnacle <i>Amphibalanus reticulatus</i> (Utinomi). <i>Marine Pollution Bulletin</i> , 2017 , 124, 803-810	6.7	7
22	Biodiversity and antibacterial potential of cultivable halophilic actinobacteria from the deep sea sediments of active volcanic Barren Island. <i>Microbial Pathogenesis</i> , 2019 , 132, 129-136	3.8	7
21	Chlorination-induced genotoxicity in the mussel <i>Perna viridis</i> : assessment by single cell gel electrophoresis (comet) assay. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 130, 295-302	7	7
20	Seasonal dynamics in gonadotropin secretion and E(2)-binding in the catfish <i>Heteropneustes fossilis</i> . <i>Fish Physiology and Biochemistry</i> , 2005 , 31, 183-8	2.7	7

19	Biofouling control on ultrafiltration membrane through immobilization of polysaccharide-degrading enzyme: optimization of parameters. <i>Desalination and Water Treatment</i> , 2016 , 57, 26861-26870		7
18	Comparative toxicological effects of two antifouling biocides on the marine diatom <i>Chaetoceros lorenzianus</i> : Damage and post-exposure recovery. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 144, 97-106	7	5
17	Studies on diversity of <i>Vibrio</i> sp. and the prevalence of hapA, tcpl, st, rtxA&C, acfB, hlyA, ctxA, ompU and toxR genes in environmental strains of <i>Vibrio cholerae</i> from Port Blair bays of South Andaman, India. <i>Marine Pollution Bulletin</i> , 2019 , 144, 105-116	6.7	5
16	<i>Pseudogracilibacillus marinus</i> sp. nov., isolated from a biofilm formed in coastal seawater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016 , 66, 3443-3448	2.2	5
15	<i>Pluchea lanceolata</i> protects hippocampal neurons from endothelin-1 induced ischemic injury to ameliorate cognitive deficits. <i>Journal of Chemical Neuroanatomy</i> , 2018 , 94, 75-85	3.2	5
14	Multimarker study of the effects of antifouling biocide on benthic organisms: results using <i>Perna viridis</i> as candidate species. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 20407-20418	5.1	4
13	Seawater quality conditions of the south Andaman Sea (Bay of Bengal, Indian Ocean) in lustrum during 2010s decade. <i>Marine Pollution Bulletin</i> , 2018 , 136, 424-434	6.7	4
12	Identification of short single disulfide-containing contryphans from the venom of cone snails using de novo mass spectrometry-based sequencing methods. <i>Toxicon</i> , 2017 , 132, 50-54	2.8	3
11	Molecular characterization, structure prediction and insilico analysis of hydrocarbon degrading surfactin synthetase from marine sponge-associated <i>Bacillus licheniformis</i> NIOT-06. <i>Gene Reports</i> , 2016 , 5, 40-44	1.4	3
10	Evaluation of the environmental quality of Parangipettai, Southeast Coast of India, by using multivariate and geospatial tool. <i>Marine Pollution Bulletin</i> , 2018 , 131, 239-247	6.7	2
9	Ectoine biosynthesis genes from the deep sea halophilic eubacteria, <i>Bacillus clausii</i> NIOT-DSB04: Its molecular and biochemical characterization. <i>Microbial Pathogenesis</i> , 2019 , 136, 103693	3.8	2
8	Impact of a dinoflagellate bloom on the marine plankton community structure of Port Blair Bay, Andaman Island. <i>Regional Studies in Marine Science</i> , 2020 , 37, 101320	1.5	2
7	The Andaman and Nicobar Islands 2019 , 185-209		2
6	Functional characterization of a major compatible solute in Deep Sea halophilic eubacteria of active volcanic Barren Island, Andaman and Nicobar Islands, India. <i>Infection, Genetics and Evolution</i> , 2019 , 73, 261-265	4.5	1
5	Probing the architecture of testis and morphology of male germinal cells in the mud crab with the atomic force microscopy. <i>Turkish Journal of Biology</i> , 2013 , 37, 507-513	3.1	1
4	Response of green mussels (<i>Perna viridis</i>) subjected to chlorination: investigations by valve movement monitoring. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 202	3.1	1
3	Molecular characterization, phylogenetic and sequence analysis data of trehalose biosynthesis genes; and from the deep sea halophilic actinobacteria, NIOT-DSA03. <i>Data in Brief</i> , 2021 , 35, 106727	1.2	1
2	Draft genome sequence of marine sediment-derived red pigmented bacteria <i>Zooshikella</i> sp. strain S2.1 with potential biomedical applications. <i>Genomics</i> , 2020 , 112, 805-808	4.3	1

- 1 A multiplex PCR kit for the detection of three major virulent genes in *Enterococcus faecalis*. *Journal of Microbiological Methods*, **2020**, 177, 106061 2.8 ○