

Ramangalingam Kirubakaran

List of Publications by Year in descending order

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74
papers

1,833
citations

279487

23
h-index

301761

39
g-index

74
all docs

74
docs citations

74
times ranked

2709
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.9	233
2	The biology of triploid fish. <i>Reviews in Fish Biology and Fisheries</i> , 2004, 14, 391-402.	2.4	133
3	Multifaceted Applications of Microbial Pigments: Current Knowledge, Challenges and Future Directions for Public Health Implications. <i>Microorganisms</i> , 2019, 7, 186.	1.6	115
4	Silver nanoparticles with anti microfouling effect: A study against marine biofilm forming bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 636-643.	2.5	75
5	Novel marine actinobacteria from emerald Andaman & Nicobar Islands: a prospective source for industrial and pharmaceutical byproducts. <i>BMC Microbiology</i> , 2013, 13, 145.	1.3	73
6	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.	2.3	65
7	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, 128-138.	0.8	51
8	Long-lived atmospheric trace gases measurements in flask samples from three stations in India. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9819-9849.	1.9	47
9	Surfactant-induced conformational transition of amyloid I ² -peptide. <i>European Biophysics Journal</i> , 2009, 38, 355-367.	1.2	41
10	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, 171-179.	2.9	35
11	Melatonin prevents amyloid protofibrillar induced oxidative imbalance and biogenic amine catabolism. <i>Life Sciences</i> , 2008, 83, 96-102.	2.0	34
12	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.	1.6	33
13	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.	1.3	33
14	The neuroprotective efficacy of I [±] -crystallin against acute inflammation in mice. <i>Brain Research Bulletin</i> , 2005, 67, 235-241.	1.4	32
15	Cloning, expression and enzyme activity analysis of testicular 11 ^β -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.	1.2	32
16	Applications of Prodigiosin Extracted from Marine Red Pigmented Bacteria <i>Zooshikella</i> sp. and Actinomycete <i>Streptomyces</i> sp.. <i>Microorganisms</i> , 2020, 8, 556.	1.6	32
17	Toxic effects of mercuric chloride, methylmercuric chloride, and emisan 6 (an organic mercurial) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Contamination and Toxicology, 1988, 41, 902-909.	1.3	30
18	Novel glutaminase free l-asparaginase from <i>Nocardopsis alba</i> NIOT-VKMA08: production, optimization, functional and molecular characterization. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 373-388.	1.7	30

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19	Anti-inflammatory effect of melatonin on A ¹ 2 vaccination in mice. <i>Molecular and Cellular Biochemistry</i> , 2007, 298, 69-81.	1.4	29
20	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.	2.3	29
21	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.	2.9	26
22	Molecular expression of l-asparaginase gene from <i>Nocardiosis alba</i> N10T-VKMA08 in <i>Escherichia coli</i> : A prospective recombinant enzyme for leukaemia chemotherapy. <i>Gene</i> , 2016, 590, 220-226.	1.0	26
23	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, 261-267.	2.3	25
24	Heterologous expression, purification, and phylogenetic analysis of oil-degrading biosurfactant biosynthesis genes from the marine sponge-associated <i>Bacillus licheniformis</i> N10T-06. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 1009-1018.	1.7	25
25	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.	2.9	25
26	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.	1.3	23
27	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.	0.6	23
28	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.	0.4	23
29	Effect of methyl testosterone- and ethynyl estradiol-induced sex differentiation on catfish, <i>Clarias gariepinus</i> : expression profiles of DMRT1, Cytochrome P450aromatases and 3 ^β -hydroxysteroid dehydrogenase. <i>Fish Physiology and Biochemistry</i> , 2005, 31, 143-147.	0.9	22
30	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.	2.3	22
31	Toxic effects of mercurials on thyroid function of the catfish, <i>Clarias batrachus</i> (L.). <i>Ecotoxicology and Environmental Safety</i> , 1989, 17, 265-271.	2.9	19
32	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.	1.3	19
33	Effect of chlorination on barnacle larval stages: Implications for biofouling control and environmental impact. <i>International Biodeterioration and Biodegradation</i> , 2016, 109, 141-149.	1.9	19
34	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.	1.3	18
35	Title is missing!. <i>Fish Physiology and Biochemistry</i> , 2001, 24, 9-14.	0.9	18
36	Post tsunami mangrove evaluation in coastal vicinity of Andaman Islands, India. <i>Journal of Coastal Conservation</i> , 2014, 18, 249-255.	0.7	18

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37	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.	3.7	17
38	Multivariate and geo-spatial approach for seawater quality of Chidiyatappu Bay, south Andaman Islands, India. <i>Marine Pollution Bulletin</i> , 2015, 96, 463-470.	2.3	16
39	Immobilization of proteolytic enzyme on highly porous activated carbon derived from rice bran. <i>Journal of Porous Materials</i> , 2009, 16, 439-445.	1.3	14
40	Lipid-Induced Conformational Transition of Amyloid β Peptide Fragments. <i>Journal of Molecular Neuroscience</i> , 2010, 41, 368-382.	1.1	14
41	The protective role of dl- α -lipoic acid in biogenic amines catabolism triggered by $A\beta$ amyloid vaccination in mice. <i>Brain Research Bulletin</i> , 2005, 65, 361-367.	1.4	13
42	Spectral characterization of β , β -carotene-3, 3'-diol (lutein) from marine microalgae <i>Chlorella salina</i> . <i>Renewable Energy</i> , 2016, 98, 78-83.	4.3	12
43	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.	4.2	12
44	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.	2.3	12
45	Studies on diversity of <i>Vibrio</i> sp. and the prevalence of hapA, tcpI, 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.	2.3	12
46	Effects of nonionic surfactant on hydrolysis and fermentation of protein rich tannery solid waste. <i>Biodegradation</i> , 2008, 19, 739-748.	1.5	11
47	<i>Enterococcus</i> 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, 217-227.	2.3	11
48	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.	0.8	10
49	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.	2.9	10
50	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.	1.3	10
51	<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.	0.8	10
52	Testosterone Triggers the Brain-Pituitary-Gonad Axis of Juvenile Female Catfish (<i>Heteropneustes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 126, 23-29.	0.8	9
53	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.	2.0	9
54	Chlorination induced damage and recovery in marine diatoms: Assay by SYTOX [®] Green staining. <i>Marine Pollution Bulletin</i> , 2017, 124, 819-826.	2.3	9

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55	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.	2.9	9
56	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.	2.3	9
57	<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.	1.0	9
58	Seasonal dynamics in gonadotropin secretion and E2-binding in the catfish <i>Heteropneustes fossilis</i> . <i>Fish Physiology and Biochemistry</i> , 2005, 31, 183-188.	0.9	8
59	Biofouling control on ultrafiltration membrane through immobilization of polysaccharide-degrading enzyme: optimization of parameters. <i>Desalination and Water Treatment</i> , 2016, 57, 26861-26870.	1.0	7
60	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.	0.4	5
61	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.	2.3	5
62	Complete Genome Analysis of Undecylprodigiosin Pigment Biosynthesizing Marine <i>Streptomyces</i> Species Displaying Potential Bioactive Applications. <i>Microorganisms</i> , 2021, 9, 2249.	1.6	5
63	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.	0.8	4
64	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.	2.7	4
65	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.	1.3	4
66	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.	1.3	4
67	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.	1.0	3
68	The Andaman and Nicobar Islands. , 2019, , 185-209.		3
69	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.	0.4	3
70	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.	2.1	2
71	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.	1.3	2
72	A multiplex PCR kit for the detection of three major virulent genes in <i>Enterococcus faecalis</i> . <i>Journal of Microbiological Methods</i> , 2020, 177, 106061.	0.7	1

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73	Molecular characterization, phylogenetic and in silico sequence analysis data of trehalose biosynthesis genes; otsA and otsB from the deep sea halophilic actinobacteria, <i>Streptomyces qinglanensis</i> NIOT-DSA03. <i>Data in Brief</i> , 2021, 35, 106727.	0.5	1
74	Bioactive Propensity of Macroalgae from the Andaman & Nicobar Islands. <i>Pharmacognosy Journal</i> , 2017, 9, 815-820.	0.3	1