

Raja Sudhakaran

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

696
citations

567281

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580821

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docs citations

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times ranked

785
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of silver nanoparticles using red algae <i>Portieria hornemannii</i> and its antibacterial activity against fish pathogens. <i>Microbial Pathogenesis</i> , 2020, 138, 103780.	2.9	117
2	Optimization of Cutting Parameters for Cutting Force in Shoulder Milling of Al7075-T6 Using Response Surface Methodology and Genetic Algorithm. <i>Procedia Engineering</i> , 2013, 64, 690-700.	1.2	65
3	Investigate the Effect of Compression Ratio Over the Performance and Emission Characteristics of Variable Compression Ratio Engine Fueled with Preheated Palm Oil - Diesel Blends. <i>Procedia Earth and Planetary Science</i> , 2015, 11, 393-401.	0.6	57
4	Bioinspired Zinc Oxide Nanoparticles Using <i>Lycopersicon esculentum</i> for Antimicrobial and Anticancer Applications. <i>Journal of Cluster Science</i> , 2019, 30, 1465-1479.	3.3	50
5	Prediction of vibration amplitude from machining parameters by response surface methodology in end milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 53, 453-461.	3.0	36
6	An Elegant Analysis of White Spot Syndrome Virus Using a Graphene Oxide/Methylene Blue based Electrochemical Immunosensor Platform. <i>Scientific Reports</i> , 2017, 7, 46169.	3.3	33
7	Artemia as a possible vector for <i>Macrobrachium rosenbergii</i> nodavirus (MrNV) and extra small virus transmission (XSV) to <i>Macrobrachium rosenbergii</i> post-larvae. <i>Diseases of Aquatic Organisms</i> , 2006, 70, 161-166.	1.0	30
8	Experimental horizontal transmission of <i>Enterocytozoon hepatopenaei</i> in postlarvae of whiteleg shrimp, <i>Litopenaeus vannamei</i> . <i>Journal of Fish Diseases</i> , 2019, 42, 397-404.	1.9	28
9	Enhancement of immune response and resistance against <i>Vibrio parahaemolyticus</i> in kuruma shrimp (<i>Marsupenaeus japonicus</i>) by dietary supplementation of 1,4-mannobiose. <i>Fish and Shellfish Immunology</i> , 2018, 74, 26-34.	3.6	27
10	Prediction and optimization of depth of penetration for stainless steel gas tungsten arc welded plates using artificial neural networks and simulated annealing algorithm. <i>Neural Computing and Applications</i> , 2013, 22, 637-649.	5.6	26
11	Molecular docking and simulation studies of 1-chloropiperidinyl-6-fluoro benzisoxazole 2 against VP26 and VP28 proteins of white spot syndrome virus. <i>Journal of Fish Diseases</i> , 2016, 39, 1231-1238.	1.9	25
12	Comparative study of the combustion, performance, and emission characteristics of a variable compression ratio engine fuelled with diesel, corn oil methyl ester, and palm oil methyl ester. <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, 063122.	2.0	23
13	In Situ Immobilized Sesamol-Quinone/Carbon Nanoblack-Based Electrochemical Redox Platform for Efficient Bioelectrocatalytic and Immunosensor Applications. <i>ACS Omega</i> , 2018, 3, 10823-10835.	3.5	23
14	Modeling and analysis of ferrite number of stainless steel gas tungsten arc welded plates using response surface methodology. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 1487-1504.	3.0	16
15	Development of simple, rapid and sensitive detection assay for grouper nervous necrosis virus using real-time loop-mediated isothermal amplification. <i>Journal of Fish Diseases</i> , 2015, 38, 873-879.	1.9	15
16	Protective efficacy of active compounds from <i>Phyllanthus amarus</i> against white spot syndrome virus in freshwater crab (<i>Paratelphusa hydrodomous</i>). <i>Aquaculture Research</i> , 2016, 47, 2061-2067.	1.8	15
17	Molecular docking and simulation studies of <i>Phyllanthus amarus</i> phytochemicals against structural and nucleocapsid proteins of white spot syndrome virus. <i>3 Biotech</i> , 2017, 7, 353.	2.2	15
18	Rapid and sensitive real-time loop mediated isothermal amplification for the detection of <i>Enterocytozoon hepatopenaei</i> of shrimp. <i>Aquaculture</i> , 2017, 481, 119-123.	3.5	15

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19	Quick report on prevalence of shrimp microsporidian parasite <i>Enterocytozoon hepatopenaei</i> in India. <i>Aquaculture Research</i> , 2017, 48, 3980-3984.	1.8	13
20	Catalytic application of non-toxic <i>Persia americana</i> metabolite entrapped SnO ₂ nanoparticles towards the synthesis of 3,4-dihydroacridin-1(2H)-ones. <i>RSC Advances</i> , 2016, 6, 21072-21075.	3.6	11
21	Exploring the potentiality of <i>Artemia salina</i> to act as a reservoir for microsporidian <i>Enterocytozoon hepatopenaei</i> of penaeid shrimp. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 25, 101607.	3.1	9
22	Antiviral activity of 3-(1-chloropiperidin-4-yl)-6-fluoro benzisoxazole 2 against White spot syndrome virus in Freshwater crab, <i>Paratelphusa hydrodomous</i> . <i>Aquaculture Research</i> , 2016, 47, 2677-2681.	1.8	8
23	A simple filter paper-based method for transporting and storing <i>Enterocytozoon hepatopenaei</i> DNA from infected <i>Litopenaeus vannamei</i> tissues. <i>Journal of Invertebrate Pathology</i> , 2020, 169, 107305.	3.2	8
24	Report on prevalence of tilapia lake virus infection in tilapia fishes (<i>Oreochromis niloticus</i>). <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101665.	3.1	7
25	Detection of white spot syndrome virus in seafood samples using a magnetosome-based impedimetric biosensor. <i>Archives of Virology</i> , 2021, 166, 2763-2778.	2.1	6
26	Anti-viral activity of methyl 1-chloro-7-methyl-2-propyl-1h-benzo[d]imidazole-5-carboxylate against white spot syndrome virus in freshwater crab (<i>Paratelphusa hydrodomous</i>). <i>Aquaculture International</i> , 2022, 30, 989-998.	2.2	6
27	Enhancement of immune response and resistance to <i>Vibrio parahaemolyticus</i> in Tilapia fish (<i>Oreochromis mossambicus</i>) by dietary supplementation of <i>Portieria hornemannii</i> . <i>Aquaculture</i> , 2022, 547, 737448.	3.5	5
28	Susceptibility of betanodavirus in a newly established vertebrate derived cell line from Mosquitofish (<i>Gambusia affinis</i>). <i>Journal of Fish Diseases</i> , 2020, 43, 263-273.	1.9	4
29	Experimental infection of <i>Enterocytozoon hepatopenaei</i> parasite (EHP) of penaeid shrimp in Indian marine crabs. <i>Archives of Microbiology</i> , 2022, 204, .	2.2	3
30	Truncated Thioredoxin Peptides Serves as an Efficient Fusion Tag for Production of Proinsulin. <i>Protein and Peptide Letters</i> , 2020, 27, 419-431.	0.9	0