Indrani Karunasagar

List of Publications by Year in descending order

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101543 118850 4,601 122 36 62 citations g-index h-index papers 125 125 125 3923 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Mass mortality of Penaeus monodon larvae due to antibiotic-resistant Vibrio harveyi infection. Aquaculture, 1994, 128, 203-209.	3.5	448
2	Biofilm formation by Salmonella spp. on food contact surfaces and their sensitivity to sanitizers. International Journal of Food Microbiology, 2001, 64, 367-372.	4.7	377
3	Isolation of Vibrio harveyi bacteriophage with a potential for biocontrol of luminous vibriosis in hatchery environments. Aquaculture, 2006, 255, 117-124.	3.5	164
4	Biocontrol of pathogens in shrimp hatcheries using bacteriophages. Aquaculture, 2007, 268, 288-292.	3.5	134
5	Inhibition of shrimp pathogenic vibrios by a marine Pseudomonas I-2 strain. Aquaculture, 2002, 208, 1-10.	3.5	122
6	Pathogenesis, virulence factors and virulence regulation of vibrios belonging to the <i>Harveyi</i> clade. Reviews in Aquaculture, 2012, 4, 59-74.	9.0	117
7	Molecular characterization of Vibrio harveyi bacteriophages isolated from aquaculture environments along the coast of India. Environmental Microbiology, 2007, 9, 322-331.	3.8	101
8	Development of monoclonal antibody based sandwich ELISA for the rapid detection of pathogenic Vibrio parahaemolyticus in seafood. International Journal of Food Microbiology, 2011, 145, 244-249.	4.7	91
9	Detection of new hosts for white spot syndrome virus of shrimp using nested polymerase chain reaction. Aquaculture, 2001, 198, 1-11.	3.5	89
10	Immune responses and immunoprotection in crustaceans with special reference to shrimp. Reviews in Aquaculture, $2021,13,431-459.$	9.0	84
11	Biology, Host Range, Pathogenesis and Diagnosis of White spot syndrome virus. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2012, 23, 161-174.	0.7	83
12	Application of polymerase chain reaction for detection of Vibrio parahaemolyticus associated with tropical seafoods and coastal environment. Letters in Applied Microbiology, 2003, 36, 423-427.	2.2	81
13	Polymerase Chain Reaction in Detection of Gymnodinium mikimotoi and Alexandrium minutum in Field Samples from Southwest India. Marine Biotechnology, 2001, 3, 152-162.	2.4	77
14	Recombinant outer membrane protein A (OmpA) of Edwardsiella tarda, a potential vaccine candidate for fish, common carp. Microbiological Research, 2011, 167, 1-7.	5.3	74
15	Histopathological and bacteriological study of white spot syndrome of Penaeus monodon along the west coast of India. Aquaculture, 1997, 153, 9-13.	3.5	72
16	Detection and characterization of Salmonella associated with tropical seafood. International Journal of Food Microbiology, 2007, 114, 227-233.	4.7	70
17	Recombinant Aeromonas hydrophila outer membrane protein 48 (Omp48) induces a protective immune response against Aeromonas hydrophila and Edwardsiella tarda. Research in Microbiology, 2012, 163, 286-291.	2.1	70
18	Evaluation of two outer membrane proteins, Aha1 and OmpW of Aeromonas hydrophila as vaccine candidate for common carp. Veterinary Immunology and Immunopathology, 2012, 149, 298-301.	1.2	66

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19	Antimicrobialâ€resistant genes associated with ⟨i⟩Salmonella⟨/i⟩ spp. isolated from human, poultry, and seafood sources. Food Science and Nutrition, 2014, 2, 436-442.	3.4	66
20	Multiple viral infection in Penaeus monodon shrimp postlarvae in an Indian hatchery. Diseases of Aquatic Organisms, 2002, 48, 233-236.	1.0	65
21	Presence of typical and atypical virulence genes in vibrio isolates belonging to the Harveyi clade. Journal of Applied Microbiology, 2010, 109, 888-899.	3.1	61
22	Detection of monodon baculovirus and white spot syndrome virus in apparently healthy Penaeus monodon postlarvae from India by polymerase chain reaction. Aquaculture, 2003, 220, 59-67.	3.5	59
23	COMPARISON OF THREE COMMON MOLECULAR TOOLS FOR DISTINGUISHING AMONG GEOGRAPHICALLY SEPARATED CLONES OF THE DIATOM SKELETONEMA MARINOI SARNO ET ZINGONE (BACILLARIOPHYCEAE)1. Journal of Phycology, 2006, 42, 280-291.	2.3	58
24	Antivibrio activity of recombinant lysozyme expressed from black tiger shrimp, Penaeus monodon. Aquaculture, 2007, 272, 246-253.	3.5	54
25	Detection and Enumeration of Vibrio vulnificus in Oysters from Two Estuaries along the Southwest Coast of India, Using Molecular Methods. Applied and Environmental Microbiology, 2004, 70, 6909-6913.	3.1	53
26	Diversity of Vibrio parahaemolyticus associated with disease outbreak among cultured Litopenaeus vannamei (Pacific white shrimp) in India. Aquaculture, 2014, 433, 247-251.	3.5	51
27	Aeromonas hydrophila OmpW PLGA Nanoparticle Oral Vaccine Shows a Dose-Dependent Protective Immunity in Rohu (Labeo rohita). Vaccines, 2016, 4, 21.	4.4	50
28	Detection and molecular characterization of Vibrio parahaemolyticus isolated from seafood harvested along the southwest coast of India. Food Microbiology, 2008, 25, 824-830.	4.2	47
29	Characterisation of Shiga toxin-producingEscherichia coli(STEC) isolated from seafood and beef. FEMS Microbiology Letters, 2004, 233, 173-178.	1.8	46
30	Detection of viruses in Penaeus monodon from India showing signs of slow growth syndrome. Aquaculture, 2009, 289, 231-235.	3.5	45
31	Genetic analysis of RNA1 and RNA2 of Macrobrachium rosenbergii nodavirus (MrNV) isolated from India. Virus Research, 2013, 173, 377-385.	2.2	45
32	Immunological response of the Indian major carps to Aeromonas hydrophila vaccine. Journal of Fish Diseases, 1991, 14, 413-417.	1.9	41
33	Clonorchis sinensis: Development and evaluation of a nested polymerase chain reaction (PCR) assay. Experimental Parasitology, 2007, 115, 291-295.	1.2	41
34	Application of Outer Membrane Protein-Based Vaccines Against Major Bacterial Fish Pathogens in India. Frontiers in Immunology, 2020, 11, 1362.	4.8	40
35	Outer membrane protein K as a subunit vaccine against V. anguillarum. Aquaculture, 2012, 354-355, 107-110.	3.5	39
36	Prevalence and antibiotic resistance of Escherichia coli in tropical seafood. World Journal of Microbiology and Biotechnology, 2005, 21, 619-623.	3.6	38

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37	Bacterial flora associated with the giant freshwater prawn Macrobrachium rosenbergii, in the hatchery system. Aquaculture, 2006, 261, 1156-1167.	3.5	38
38	Characterization of variable genomic regions of Indian white spot syndrome virus. Virology, 2008, 376, 24-30.	2.4	38
39	Rapid polymerase chain reaction method for detection of Kanagawa positive Vibrio parahaemolyticus in seafoods. International Journal of Food Microbiology, 1996, 31, 317-323.	4.7	36
40	Detection of Vibrio parahaemolyticus in tropical shellfish by SYBR green real-time PCR and evaluation of three enrichment media. International Journal of Food Microbiology, 2009, 129, 124-130.	4.7	36
41	Prevalence of human pathogenic enteric viruses in bivalve molluscan shellfish and cultured shrimp in south west coast of India. International Journal of Food Microbiology, 2008, 122, 279-286.	4.7	35
42	Molecular characterization of thermostable direct haemolysin-related haemolysin (TRH)-positive Vibrio parahaemolyticus from oysters in Mangalore, India. Environmental Microbiology, 2006, 8, 997-1004.	3.8	34
43	A gyrB-based PCR for the detection of Vibrio vulnificus and its application for direct detection of this pathogen in oyster enrichment broths. International Journal of Food Microbiology, 2006, 111, 216-220.	4.7	34
44	Evaluation of RAPD-PCR and protein profile analysis to differentiate Vibrio harveyi strains prevalent along the southwest coast of India. Journal of Genetics, 2009, 88, 273-279.	0.7	34
45	High prevalence of dual and triple viral infections in black tiger shrimp ponds in India. Aquaculture, 2006, 258, 91-96.	3.5	33
46	Protective efficacy of recombinant OmpTS protein of Aeromonas hydrophila in Indian major carp. Vaccine, 2007, 25, 1157-1158.	3.8	33
47	Genomics, Molecular Epidemiology and Diagnostics of Infectious hypodermal and hematopoietic necrosis virus. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2012, 23, 203-214.	0.7	33
48	Edwardsiella tarda OmpA Encapsulated in Chitosan Nanoparticles Shows Superior Protection over Inactivated Whole Cell Vaccine in Orally Vaccinated Fringed-Lipped Peninsula Carp (Labeo fimbriatus). Vaccines, 2016, 4, 40.	4.4	30
49	A study on the effects of some laboratory-derived genetic mutations on biofilm formation by Listeria monocytogenes. World Journal of Microbiology and Biotechnology, 2009, 25, 527-531.	3.6	29
50	Detection of hepatopancreatic parvovirus (HPV) in wild shrimp from India by nested polymerase chain reaction (PCR). Diseases of Aquatic Organisms, 2005, 63, 255-259.	1.0	29
51	Detection of WSSV in cultured shrimps, captured brooders, shrimp postlarvae and water samples in Bangladesh by PCR using different primers. Aquaculture, 2004, 237, 59-71.	3.5	28
52	Development and evaluation of a polymerase chain reaction (PCR) assay for the detection of Opisthorchis viverrini in fish. Acta Tropica, 2008, 107, 13-16.	2.0	28
53	Systemic Citrobacter Freundii infection in common carp, Cyprinus carpio L., fingerlings. Journal of Fish Diseases, 1992, 15, 95-98.	1.9	25
54	Disease Problems Affecting Fish in Tropical Environments. Journal of Applied Aquaculture, 2003, 13, 231-249.	1.4	24

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55	Improved isolation and detection of pathogenic Vibrio parahaemolyticus from seafood using a new enrichment broth. International Journal of Food Microbiology, 2009, 129, 200-203.	4.7	24
56	gcpA (stm1987) is critical for cellulose production and biofilm formation on polystyrene surface by Salmonella enterica serovar Weltevreden in both high and low nutrient medium. Microbial Pathogenesis, 2011, 50, 114-122.	2.9	24
57	Recombinant ferritin protein protects Penaeus monodon infected by pathogenic Vibrio harveyi. Diseases of Aquatic Organisms, 2010, 88, 99-105.	1.0	24
58	ompU genes in non-toxigenic Vibrio cholerae associated with aquaculture. Journal of Applied Microbiology, 2003, 95, 338-343.	3.1	23
59	Opisthorchis viverrini: Detection by polymerase chain reaction (PCR) in human stool samples. Experimental Parasitology, 2008, 120, 353-356.	1.2	23
60	Pathogenic marine microbes influence the effects of climate change on a commercially important tropical bivalve. Scientific Reports, 2016, 6, 32413.	3.3	23
61	Detection by PCR of hepatopancreatic parvovirus (HPV) and other viruses in hatchery-reared Penaeus monodon postlarvae. Diseases of Aquatic Organisms, 2003, 57, 141-146.	1.0	23
62	Complete nucleic acid sequence of Penaeus stylirostris densovirus (PstDNV) from India. Virus Research, 2011, 158, 37-45.	2.2	22
63	Isolation and characterization of a nodavirus associated with mass mortality in Asian seabass (Lates) Tj ETQq1	1 0.784314 2.0	rgBT /Overlo
64	Disease Problems Affecting Cultured Penaeid Shrimp in India Fish Pathology, 1998, 33, 413-419.	0.7	21
65	Simultaneous presence of infectious hypodermal and hematopoietic necrosis virus (IHHNV) and Type A virus-related sequence in Penaeus monodon from India. Aquaculture, 2009, 295, 168-174.	3.5	21
66	Expression of Toll-like receptors (TLR), in lymphoid organ of black tiger shrimp (Penaeus monodon) in response to Vibrio harveyi infection. Aquaculture Reports, 2015, 1, 1-4.	1.7	21
67	Incidence of bacteria involved in nitrogen and sulphur cycles in tropical shrimp culture ponds. Aquaculture International, 2000, 8, 463-472.	2.2	20
68	Effect of immunostimulants on the haemolymph haemagglutinins of tiger shrimp <i>Penaeus monodon</i> . Aquaculture Research, 2008, 39, 1339-1345.	1.8	20
69	Complete nucleic acid sequence of Penaeus monodon densovirus (PmDNV) from India. Virus Research, 2010, 150, 1-11.	2.2	20
70	Presence of Salmonella pathogenicity island 2 genes in seafood-associated Salmonella serovars and the role of the sseC gene in survival of Salmonella enterica serovar Weltevreden in epithelial cells. Microbiology (United Kingdom), 2011, 157, 160-168.	1.8	20
71	Phages amid antimicrobial resistance. Critical Reviews in Microbiology, 2019, 45, 701-711.	6.1	20
72	Detection of White Spot Syndrome Virus (WSSV) in Wild Captured Shrimp and in Non-cultured Crustaceans from Shrimp Ponds in Bangladesh by Polymerase Chain Reaction Fish Pathology, 2001, 36, 93-95.	0.7	18

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73	Molecular Biology and Epidemiology of Hepatopancreatic parvovirus of Penaeid Shrimp. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2012, 23, 191-202.	0.7	18
74	Influence of some environmental variables and addition of r-lysozyme on efficacy of Vibrio harveyi phage for therapy. Journal of Biosciences, 2019, 44, 1.	1.1	18
75	Potential application of bacteriocins for sustainable aquaculture. Reviews in Aquaculture, 2022, 14, 1234-1248.	9.0	17
76	Influence of bacteria on growth and hemolysin production by the marine dinoflagellate Amphidinium carterae. Marine Biology, 1997, 130, 35-39.	1.5	16
77	Prevalence of OXA-type carbapenemase genes and genetic heterogeneity in clinical isolates of Acinetobacter spp. from Mangalore, India. Microbiology and Immunology, 2011, 55, 239-246.	1.4	16
78	Study of the occurrence of Vibrio vulnificus in oysters in India by polymerase chain reaction (PCR) and heterogeneity among V. vulnificus by randomly amplified polymorphic DNA PCR and gyrB sequence analysis. Environmental Microbiology, 2005, 7, 995-1002.	3.8	15
79	Prevalence of different outer membrane proteins in isolates of Aeromonas species. World Journal of Microbiology and Biotechnology, 2008, 24, 2263-2268.	3.6	15
80	Monodon Baculovirus of Shrimp. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2012, 23, 149-160.	0.7	15
81	T4-like <i>Escherichia coli</i> phages from the environment carry <i>bla</i> _{CTX-M} . Letters in Applied Microbiology, 2018, 67, 9-14.	2.2	15
82	Whole genome analysis unveils genetic diversity and potential virulence determinants in <i>Vibrio parahaemolyticus</i> associated with disease outbreak among cultured <i>Litopenaeus vannamei</i> (Pacific white shrimp) in India. Virulence, 2021, 12, 1936-1949.	4.4	15
83	Polymerase chain reaction-restriction fragment length polymorphism (PCR-RFLP) for rapid diagnosis of neonatal sepsis. Indian Journal of Medical Research, 2016, 143, 72.	1.0	14
84	Multiple Antimicrobial Resistance and Novel Point Mutation in Fluoroquinolone-Resistant i>Escherichia coli / i>Isolates from Mangalore, India. Microbial Drug Resistance, 2017, 23, 994-1001.	2.0	13
85	Rapid detection and enumeration of trh-carrying Vibrio parahaemolyticus with the alkaline phosphatase-labelled oligonucleotide probe. Environmental Microbiology, 2007, 9, 266-270.	3.8	12
86	Application of gyrB targeted SYBR green based qPCR assay for the specific and rapid detection of Vibrio vulnificus in seafood. Journal of Microbiological Methods, 2019, 166, 105747.	1.6	12
87	Presence & mobility of antimicrobial resistance in Gram-negative bacteria from environmental samples in coastal Karnataka, India. Indian Journal of Medical Research, 2019, 149, 290.	1.0	12
88	Isolation, characterization and evaluation of microsatellite DNA markers in giant freshwater prawn Macrobrachium rosenbergii, from South India. Aquaculture, 2008, 284, 281-284.	3.5	11
89	Typing of clinical and environmental strains of Aeromonas spp. using two PCR based methods and whole cell protein analysis. Journal of Microbiological Methods, 2009, 78, 312-318.	1.6	11
90	Clinical isolates of Aeromonas veronii $\hat{a} \in f \hat{a} \in f$ biovar veronii harbor a nonfunctional gene similar to the thermostable direct hemolysin-related hemolysin (trh) gene of Vibrio parahaemolyticus. FEMS Microbiology Letters, 2010, 307, 151-157.	1.8	11

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91	Bacterial Typing and Identification By Genomic Analysis of 16S–23S rRNA Intergenic Transcribed Spacer (ITS) Sequences. Methods in Microbiology, 2014, 41, 253-274.	0.8	11
92	Genotypic and phenotypic characterization of <i>Edwardsiella </i> isolates from different fish species and geographical areas in Asia: Implications for vaccine development. Journal of Fish Diseases, 2019, 42, 835-850.	1.9	11
93	Protection of Macrobrachium rosenbergii against white tail disease by oral administration of bacterial expressed and encapsulated double-stranded RNA. Fish and Shellfish Immunology, 2013, 35, 833-839.	3.6	10
94	Antisense RNA mediated protection from white spot syndrome virus (WSSV) infection in Pacific white shrimp Litopenaeus vannamei. Aquaculture, 2015, 435, 306-309.	3.5	10
95	Occurrence of antibiotic resistance among Gram negative bacteria isolated from effluents of fish processing plants in and around Mangalore. International Journal of Environmental Health Research, 2020, 30, 653-660.	2.7	10
96	Hospital wastewater treatment reduces NDMâ€positive bacteria being discharged into water bodies. Water Environment Research, 2020, 92, 562-568.	2.7	10
97	Evaluation of an alkaline phosphatase-labeled oligonucleotide probe for detection and enumeration of vibrio spp. from shrimp hatchery environment. Molecular and Cellular Probes, 2007, 21, 312-315.	2.1	9
98	Simultaneous detection of Salmonella pathogenicity island 2 and its antibiotic resistance genes from seafood. Journal of Microbiological Methods, 2013, 93, 233-238.	1.6	8
99	Effect of bile on growth and biofilm formation of non-typhoidal salmonella serovars isolated from seafood and poultry. Research in Microbiology, 2020, 171, 165-173.	2.1	8
100	Draft Genome Sequence of <i>trh</i> ⁺ Vibrio parahaemolyticus VP-49, Isolated from Seafood Harvested along the Mangalore Coast, India. Genome Announcements, 2014, 2, .	0.8	6
101	Toxic Algae Silence Physiological Responses to Multiple Climate Drivers in a Tropical Marine Food Chain. Frontiers in Physiology, 2019, 10, 373.	2.8	6
102	Isolation of Ammonia Oxidizing Bacteria (AOB) from Fish Processing Effluents. The National Academy of Sciences, India, 2015, 38, 393-397.	1.3	5
103	Exploring the Pathogenic Potential of Vibrio vulnificus Isolated from Seafood Harvested along the Mangaluru Coast, India. Microorganisms, 2020, 8, 999.	3.6	5
104	Recombinant viral proteins delivered orally through inactivated bacterial cells induce protection in <i>Macrobrachium rosenbergii</i> (de Man) against White Tail Disease. Journal of Fish Diseases, 2021, 44, 601-612.	1.9	5
105	Influence of some environmental variables and addition of r-lysozyme on efficacy of Vibrio harveyi phage for therapy. Journal of Biosciences, 2019, 44, .	1.1	5
106	Survival of Vibrio parahaemolyticus in cold smoked fish. Antonie Van Leeuwenhoek, 1986, 52, 145-152.	1.7	4
107	Detection of Ammonia-Oxidizing Archaea in Fish Processing Effluent Treatment Plants. Indian Journal of Microbiology, 2014, 54, 434-438.	2.7	4
108	Molecular Methods to Study Vibrio parahaemolyticus and Vibrio vulnificus From Atypical Environments. Methods in Microbiology, 2018, 45, 387-417.	0.8	4

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109	Differential expression of akirin gene in black tiger shrimp Penaeus monodon in response to immunostimulant administration and infections with Vibrio harveyi and white spot syndrome virus. Journal of the World Aquaculture Society, 2020, 51, 1054-1065.	2.4	4
110	Genomic and antibody-based assays for the detection of Indian strains of Macrobrachium rosenbergii nodavirus and extra small virus associated with white tail disease of Macrobrachium rosenbergii. VirusDisease, 2020, 31, 459-469.	2.0	3
111	Application of novel lytic bacteriophages to control Vibrio parahaemolyticus load in seafood. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2022, 17, 41-49.	1.4	3
112	Association of exopolysaccharide genes in biofilm developing antibiotic-resistant <i>Pseudomona</i> s <i>aeruginosa</i> from hospital wastewater. Journal of Water and Health, 2022, 20, 176-184.	2.6	3
113	Title is missing!. World Journal of Microbiology and Biotechnology, 2000, 16, 99-101.	3.6	2
114	Variable repeat regions in the genome of Vibrio vulnificus and polymorphism in one of the loci in strains isolated from oysters. International Journal of Food Microbiology, 2008, 123, 240-245.	4.7	2
115	The Use of Recombined Ribosomal RNA Operon (rrn) Type-Specific Flanking Genes to Investigate rrn Differences Between Vibrio parahaemolyticus Environmental and Clinical Strains. Gene Reports, 2016, 4, 16-25.	0.8	2
116	Guest Editor's Note on the Special Issue of Indian Journal of Virology: Viruses of Cultured Aquatic Animals in the Asia–Pacific Region. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2012, 23, 87-87.	0.7	1
117	Draft Genome Sequence of Multidrug Resistant Salmonella enterica serovar Weltevreden Isolated from Seafood. Journal of Genomics, 2015, 3, 57-58.	0.9	1
118	Effect of ciprofloxacin and in vitro gut conditions on biofilm of Escherichia coli isolated from clinical and environmental sources. Journal of Applied Microbiology, 2021, , .	3.1	1
119	Future Climate Change Conditions May Compromise Metabolic Performance in Juveniles of the Mud Crab Scylla serrata. Journal of Marine Science and Engineering, 2022, 10, 582.	2.6	1
120	Draft Genome Sequence of Campylobacter fetus MMM01, Isolated from a Chronic Kidney Disease Patient with Sepsis. Genome Announcements, 2015, 3, .	0.8	0
121	Expression profile of heat shock protein 70 in lymphoid organs of Penaeus monodon in response to white spot syndrome virus infection. Aquaculture Research, 2021, 52, 1316-1320.	1.8	0
122	Phenotypic characterization of auxotrophic mutant of nontyphoidal Salmonella and determination of its cytotoxicity, tumor inhibiting cytokine gene expression in cell line models. Archives of Microbiology, 2021, 203, 2925-2939.	2.2	0