Parin Chaivisuthangkura

List of Publications by Year
in descending order

82 papers	1,655 citations	304368 22 h-index	344852 36 g-index
82 all docs	82 docs citations	82 times ranked	1254 citing authors

#	Article	IF	Citations
1	Point-of-care rapid detection of Vibrio parahaemolyticus in seafood using loop-mediated isothermal amplification and graphene-based screen-printed electrochemical sensor. Biosensors and Bioelectronics, 2019, 132, 271-278.	5.3	91
2	A convenient immunochromatographic test strip for rapid diagnosis of yellow head virus infection in shrimp. Journal of Virological Methods, 2007, 140, 193-199.	1.0	76
3	A simple and rapid immunochromatographic test strip for detection of white spot syndrome virus (WSSV) of shrimp. Diseases of Aquatic Organisms, 2006, 72, 101-106.	0.5	71
4	The development of loop-mediated isothermal amplification combined with lateral flow dipstick for detection of Vibrio parahaemolyticus. Letters in Applied Microbiology, 2011, 52, 344-351.	1.0	66
5	Monoclonal antibodies specific to yellow-head virus (YHV) of Penaeus monodon. Diseases of Aquatic Organisms, 2002, 49, 71-76.	0.5	61
6	A Natural Vibrio parahaemolyticus Î” pirA ^{Vp} pirB ^{Vp+} Mutant Kills Shrimp but Produces neither Pir ^{Vp} Toxins nor Acute Hepatopancreatic Necrosis Disease Lesions. Applied and Environmental Microbiology, 2017, 83, .	1.4	56
7	Rapid and sensitive detection of Vibrio vulnificus by loop-mediated isothermal amplification combined with lateral flow dipstick targeted to rpoS gene. Molecular and Cellular Probes, 2011, 25, 158-163.	0.9	54
8	Seven novel FMRFamide-like neuropeptide sequences from the eyestalk of the giant tiger prawn Penaeus monodon. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 131, 325-337.	0.7	50
9	Development and evaluation of a highly sensitive immunochromatographic strip test using gold nanoparticle for direct detection of Vibrio cholerae O139 in seafoodsamples. Biosensors and Bioelectronics, 2013, 42, 229-235.	5.3	49
10	A simple and rapid immunochromatographic test strip for detection of pathogenic isolates of Vibrio harveyi. Journal of Microbiological Methods, 2007, 71, 256-264.	0.7	48
11	Development of a monoclonal antibody specific to yellow head virus (YHV) from Penaeus monodon. Diseases of Aquatic Organisms, 2000, 42, 27-34.	0.5	48
12	Molecular cloning and characterization of a Toll receptor gene from Macrobrachium rosenbergii. Fish and Shellfish Immunology, 2014, 36, 552-562.	1.6	47
13	Rapid and sensitive detection of Vibrio cholerae by loop-mediated isothermal amplification targeted to the gene of outer membrane protein ompW. Letters in Applied Microbiology, 2010, 50, 36-42.	1.0	42
14	Simultaneous and rapid detection of white spot syndrome virus and yellow head virus infection in shrimp with a dual immunochromatographic strip test. Journal of Virological Methods, 2011, 173, 85-91.	1.0	39
15	Title is missing!. ScienceAsia, 2004, 30, 359.	0.2	32
16	Differences in susceptibility of palaemonid shrimp species to yellow head virus (YHV) infection. Diseases of Aquatic Organisms, 2005, 64, 5-12.	0.5	31
17	Multiplex RT-PCR assay for simultaneous detection of six viruses of penaeid shrimp. Molecular and Cellular Probes, 2008, 22, 177-183.	0.9	30
18	Identification of Vibrio spp. in vibriosis Penaeus vannamei using developed monoclonal antibodies. Journal of Invertebrate Pathology, 2008, 98, 63-68.	1.5	29

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19	Enhanced white spot syndrome virus (WSSV) detection sensitivity using monoclonal antibody specific to heterologously expressed VP19 envelope protein. Aquaculture, 2010, 299, 15-20.	1.7	27
20	Generation of monoclonal antibodies specific to hepatopancreatic parvovirus (HPV) from Penaeus monodon. Diseases of Aquatic Organisms, 2005, 65, 85-89.	0.5	24
21	Transcriptomic analysis of Macrobrachium rosenbergii (giant fresh water prawn) post-larvae in response to M. rosenbergii nodavirus (MrNV) infection: de novo assembly and functional annotation. BMC Genomics, 2019, 20, 762.	1.2	23
22	Monoclonal antibodies specific to haemocytes of black tiger prawn Penaeus monodon. Fish and Shellfish Immunology, 2005, 18, 189-198.	1.6	22
23	Experimental infection of some penaeid shrimps and crabs by yellow head virus (YHV). Aquaculture, 2006, 257, 83-91.	1.7	22
24	Molecular isolation and characterization of a novel occlusion body protein gene from Penaeus monodon nucleopolyhedrovirus. Virology, 2008, 381, 261-267.	1.1	22
25	PirA & B toxins discovered in archived shrimp pathogenic Vibrio campbellii isolated long before EMS/AHPND outbreaks. Aquaculture, 2018, 497, 494-502.	1.7	22
26	Production of monoclonal antibodies for detection of Vibrio harvey. Diseases of Aquatic Organisms, 2005, 63, 161-168.	0.5	21
27	Detection of infectious myonecrosis virus using monoclonal antibody specific to N and C fragments of the capsid protein expressed heterologously. Journal of Virological Methods, 2011, 171, 141-148.	1.0	20
28	Development of monoclonal antibodies specific to ToxA and ToxB of Vibrio parahaemolyticus that cause acute hepatopancreatic necrosis disease (AHPND). Aquaculture, 2017, 474, 75-81.	1.7	20
29	Four novel PYFs: members of NPY/PP peptide superfamily from the eyestalk of the giant tiger prawn Penaeus monodon. Peptides, 2002, 23, 1895-1906.	1.2	19
30	Development of a polyclonal antibody specific to VP19 envelope protein of white spot syndrome virus (WSSV) using a recombinant protein preparation. Journal of Virological Methods, 2006, 133, 180-184.	1.0	18
31	Rapid and sensitive detection ofVibrio harveyiby loop-mediated isothermal amplification combined with lateral flow dipstick targeted tovhhP2gene. Aquaculture Research, 2015, 46, 1122-1131.	0.9	18
32	Simple immunoblot and immunohistochemical detection of Penaeus stylirostris densovirus using monoclonal antibodies to viral capsid protein expressed heterologously. Journal of Virological Methods, 2009, 162, 126-132.	1.0	17
33	Rapid and sensitive detection of Penaeus monodon nucleopolyhedrovirus by loop-mediated isothermal amplification. Journal of Virological Methods, 2009, 162, 188-193.	1.0	17
34	Simple and rapid detection of infectious myonecrosis virus using an immunochromatographic strip test. Archives of Virology, 2013, 158, 1925-1930.	0.9	17
35	Improvement of immunodetection of white spot syndrome virus using a monoclonal antibody specific for heterologously expressed icp11. Archives of Virology, 2013, 158, 967-979.	0.9	17
36	Evaluation of monoclonal antibody based immunochromatographic strip test for direct detection of Vibrio cholerae O1 contamination in seafood samples. Journal of Microbiological Methods, 2013, 95, 304-311.	0.7	17

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37	Rapid and Sensitive Detection ofVibrio alginolyticusby Loop-Mediated Isothermal Amplification Combined with a Lateral Flow Dipstick Targeted to therpoXGene. Journal of Aquatic Animal Health, 2015, 27, 156-163.	0.6	17
38	Molecular isolation and characterization of a spÃtzle gene from Macrobrachium rosenbergii. Fish and Shellfish Immunology, 2019, 84, 441-450.	1.6	17
39	Monodon baculovirus (MBV) infects the freshwater prawn Macrobrachium rosenbergii cultivated in Thailand. Virus Research, 2010, 148, 24-30.	1.1	16
40	Differentiation among the Vibrio cholerae serotypes O1, O139, O141 and non-O1, non-O139, non-O141 using specific monoclonal antibodies with dot blotting. Journal of Microbiological Methods, 2011, 87, 224-233.	0.7	16
41	Production of monoclonal antibodies specific to Macrobrachium rosenbergii nodavirus using recombinant capsid protein. Diseases of Aquatic Organisms, 2012, 98, 121-131.	0.5	15
42	Specific monoclonal antibodies raised against Taura syndrome virus (TSV) capsid protein VP3 detect TSV in single and dual infections with white spot syndrome virus (WSSV). Diseases of Aquatic Organisms, 2008, 79, 75-81.	0.5	15
43	Simple and direct detection of Aeromonas hydrophila infection in the goldfish, Carassius auratus (L.), by dot blotting using specific monoclonal antibodies. Journal of Fish Diseases, 2010, 33, 973-984.	0.9	14
44	Development of a rapid immunochromatographic strip test for the detection of Vibrio parahaemolyticus toxin B that cause acute hepatopancreatic necrosis disease. Journal of Fish Diseases, 2020, 43, 207-214.	0.9	14
45	Development of monoclonal antibodies for simple identification of Vibrio alginolyticus. Letters in Applied Microbiology, 2006, 43, 436-442.	1.0	13
46	Generation of mouse monoclonal antibodies specific to tilapia immunoglobulin using fish immunoglobulin/BSA complex for monitoring of the immune response in Nile tilapia Oreochromis niloticus. Aquaculture Research, 2019, 50, 277-283.	0.9	13
47	Immunolocalization of allatostatin-like neuropeptides and their putative receptor in eyestalks of the tiger prawn, Penaeus monodon. Peptides, 2003, 24, 1563-1570.	1.2	12
48	Sensitivity improvement of immunochromatographic strip test for infectious myonecrosis virus detection. Aquaculture, 2016, 453, 163-168.	1.7	12
49	Monoclonal antibodies against extra small virus show that it co-localizes with Macrobrachium rosenbergii nodavirus. Diseases of Aquatic Organisms, 2012, 99, 197-205.	0.5	11
50	Rapid identification and differentiation of Vibrio parahaemolyticus from Vibrio spp. in seafood samples using developed monoclonal antibodies. World Journal of Microbiology and Biotechnology, 2013, 29, 721-731.	1.7	11
51	Immunological-based assays for specific detection of shrimp viruses. World Journal of Virology, 2014, 3, 1.	1.3	11
52	Improved sensitivity of Taura syndrome virus immunodetection with a monoclonal antibody against the recombinant VP2 capsid protein. Journal of Virological Methods, 2010, 163, 433-439.	1.0	10
53	Penaeus monodon nucleopolyhedrovirus detection using an immunochromatographic strip test. Journal of Virological Methods, 2012, 183, 210-214.	1.0	10
54	Interaction study of a novel Macrobrachium rosenbergii effector caspase with B2 and capsid proteins of M. rosenbergii nodavirus reveals their roles in apoptosis. Fish and Shellfish Immunology, 2015, 45, 534-542.	1.6	10

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55	High sensitivity immunochromatographic strip test (ICP11 strip test) for white spot syndrome virus detection using monoclonal antibodies specific to ICP11 non-structural protein. Aquaculture, 2017, 470, 25-31.	1.7	10
56	Infectious cell culture system for concurrent propagation and purification of Megalocytivirus ISKNV and nervous necrosis virus from Asian Sea bass (Lates calcarifer). Aquaculture, 2020, 520, 734931.	1.7	10
57	Detection and identification of a fish pathogen Flavobacterium columnare using specific monoclonal antibodies. Aquaculture, 2021, 545, 737231.	1.7	10
58	Polyclonal antibodies specific for VP1 and VP3 capsid proteins of Taura syndrome virus (TSV) produced via gene cloning and expression. Diseases of Aquatic Organisms, 2006, 69, 249-253.	0.5	9
59	Development of uracil-DNA-glycosylase-supplemented loop-mediated isothermal amplification coupled with nanogold probe (UDG-LAMP-AuNP) for specific detection of PseudomonasÃ¯Â¿Â½aeruginosa. Molecular Medicine Reports, 2018, 17, 5734-5743.	1.1	8
60	Development of monoclonal antibodies for simple detection and differentiation of Vibrio mimicus from V. cholerae and Vibrio spp. by dot blotting. Aquaculture, 2010, 300, 17-24.	1.7	7
61	Title is missing!. ScienceAsia, 2006, 32, 201.	0.2	7
62	Improved immunodetection of Penaeus monodon densovirus with monoclonal antibodies raised against recombinant capsid protein. Aquaculture, 2011, 311, 19-24.	1.7	6
63	One base pair deletion and high rate of evolution: Keys to viral accommodation of Australian Penaeus stylirostris densovirus. Aquaculture, 2015, 443, 40-48.	1.7	6
64	Enhancement and confirmation of white spot syndrome virus detection using monoclonal antibody specific to VP26. Aquaculture Research, 2017, 48, 1699-1710.	0.9	6
65	Nanogoldâ€based immunochromatographic strip test for rapid detection of clinical and environmental strains of <scp>Vibrio cholerae</scp>. Journal of Food Safety, 2021, 41, .	1.1	6
66	Preferential suppression of yellow head virus (YHV) envelope protein gp116 in shrimp that survive challenge with YHV. Diseases of Aquatic Organisms, 2008, 79, 1-8.	0.5	6
67	Differential expression of CMG peptide and crustacean hyperglycemic hormones (CHHs) in the eyestalk of the giant tiger prawn Penaeus monodon. Peptides, 2002, 23, 1943-1952.	1.2	5
68	Penaeus monodon nucleopolyhedrovirus detection using monoclonal antibodies specific to recombinant polyhedrin protein. Aquaculture, 2011, 321, 216-222.	1.7	5
69	Development of monoclonal antibodies for the rapid detection and identification of Salmonella enterica serovar Enteritidis in food sample using dotâ€blot assays. Journal of Food Safety, 2020, 40, e12841.	1.1	5
70	Efficient Photocleavage of Lysozyme by a New Chiral Probe. Letters in Organic Chemistry, 2005, 2, 554-558.	0.2	4
71	Development of a PCR Assay Based on a Singleâ€“Base Pair Substitution for the Detection of Aeromonas caviae by Targeting the gyrB Gene. Journal of Aquatic Animal Health, 2015, 27, 164-171.	0.6	4
72	Molecular isolation and characterization of a haemocyanin ofMacrobrachium rosenbergiireveal its antibacterial activities. Aquaculture Research, 2018, 49, 505-516.	0.9	4

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73	Development of crossâ€priming amplification (CPA) combined with colorimetric and lateral flow dipstick visualization for scale drop disease virus (SDDV) detection. Journal of Fish Diseases, 2021, 44, 1411-1422.	0.9	4
74	Development of Duplex Loop-Mediated Isothermal Amplification (dLAMP) Combined with Lateral Flow Dipstick (LFD) for the Rapid and Specific Detection ofVibrio vulnificusandV. parahaemolyticus. North American Journal of Aquaculture, 2016, 78, 327-336.	0.7	3
75	Expression Levels of Litopenaeus vannamei Toll in the Whiteleg Shrimp (L. vannamei) in Response to Different Routes of Yellow Head Virus Infection. Journal of Biological Sciences, 2013, 13, 58-66.	0.1	3
76	Rapid multiplex polymerase chain reaction for simultaneous detection of Vibrio harveyi, V. parahaemolyticus, and V. vulnificus in pacific white shrimp (Litopenaeus vannamei). Annals of Tropical Medicine and Public Health, 2016, 9, 255.	0.1	3
77	Enhancing Science Teaching Competency among Pre-Service Science Teachers through Blended-Mentoring Process. International Journal of Instruction, 2019, 12, 289-306.	0.6	2
78	The effect of eyestalk homogenate on haemolymph vitellogenin levels in the black tiger prawnPenaeus monodon. Invertebrate Reproduction and Development, 2004, 45, 91-100.	0.3	1
79	Improved immunodetection of Taura syndrome virus using a monoclonal antibody specific for heterologously expressed VP1 capsid protein. Archives of Virology, 2013, 158, 77-85.	0.9	1
80	Molecular isolation and characterization of translationally controlled tumor protein (TCTP) gene from Macrobrachium rosenbergii. Aquaculture International, 2020, 28, 2173-2190.	1.1	0
81	Penaeovirus. , 2011, , 133-135.		0
82	Using vitellin monoclonal antibodies to assess the vitellogenesis-inhibiting hormone activity of Macrobrachium rosenbergii. ScienceAsia, 2014, 40, 157.	0.2	0