Isabel Bandin

List of Publications by Year
in descending order

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84 papers	2,189 citations	201674 27 h-index	265206 42 g-index
84 all docs	84 docs citations	84 times ranked	1479 citing authors

#	Article	IF	Citations
1	Acute Neurological Involvement in Diarrhea-Associated Hemolytic Uremic Syndrome. Clinical Journal of the American Society of Nephrology: CJASN, 2010, 5, 1218-1228.	4.5	188
2	Betanodavirus and VER Disease: A 30-year Research Review. Pathogens, 2020, 9, 106.	2.8	167
3	Comparative analysis of both genomic segments of betanodaviruses isolated from epizootic outbreaks in farmed fish species provides evidence for genetic reassortment. Journal of General Virology, 2009, 90, 2940-2951.	2.9	119
4	Phenotypic, antigenic, and molecular characterization of Pasteurella piscicida strains isolated from fish. Applied and Environmental Microbiology, 1992, 58, 3316-3322.	3.1	105
5	Host range, host specificity and hypothesized host shift events among viruses of lower vertebrates. Veterinary Research, 2011, 42, 67.	3.0	78
6	Emergence of pathogenic betanodaviruses belonging to the SJNNV genogroup in farmed fish species from the Iberian Peninsula. Journal of Fish Diseases, 2007, 30, 225-232.	1.9	71
7	Usefulness of the API-20E system for the identification of bacterial fish pathogens. Aquaculture, 1993, 116, 111-120.	3.5	52
8	Isolation of viral hemorrhagic septicemia virus from Greenland halibut Reinhardtius hippoglossoides caught at the Flemish Cap. Diseases of Aquatic Organisms, 2002, 50, 171-179.	1.0	46
9	Interaction between rainbow trout macrophages and Renibacterium salmoninarum in vitro. Fish and Shellfish Immunology, 1993, 3, 25-33.	3.6	45
10	In vitro and in vivo characterization of molecular determinants of virulence in reassortant betanodavirus. Journal of General Virology, 2015, 96, 1287-1296.	2.9	43
11	Nodavirus Colonizes and Replicates in the Testis of Gilthead Seabream and European Sea Bass Modulating Its Immune and Reproductive Functions. PLoS ONE, 2015, 10, e0145131.	2.5	41
12	Experimental susceptibility of European sea bass and Senegalese sole to different betanodavirus isolates. Veterinary Microbiology, 2015, 177, 53-61.	1.9	40
13	Restriction Fragment Length Polymorphisms and Sequence Analysis: an Approach for Genotyping Infectious Pancreatic Necrosis Virus Reference Strains and Other Aquabirnaviruses Isolated from Northwestern Spain. Applied and Environmental Microbiology, 2004, 70, 1059-1067.	3.1	39
14	In vitro killing of Pasteurella piscicida by fish macrophages. Diseases of Aquatic Organisms, 1995, 23, 51-57.	1.0	38
15	Phenotypic Characteristics and Virulence of Vibrio anguillarum -Related Organisms. Applied and Environmental Microbiology, 1993, 59, 2969-2976.	3.1	38
16	Development of a rapid, sensitive and non-lethal diagnostic assay for the detection of viral haemorrhagic septicaemia virus. Journal of Virological Methods, 2006, 133, 167-174.	2.1	37
17	Antiviral Activity of Carrageenans and Processing Implications. Marine Drugs, 2021, 19, 437.	4.6	37
18	Antiviral Properties of Polymeric Aziridine- and Biguanide-Modified Coreâ€“Shell Magnetic Nanoparticles. Langmuir, 2012, 28, 4548-4558.	3.5	36

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19	European sea bass brain DLB-1â€¯cell line is susceptible to nodavirus: A transcriptomic study. Fish and Shellfish Immunology, 2019, 86, 14-24.	3.6	35
20	Analysis of antigens present in the extracellular products and cell surface of Vibrio anguillarum serotypes O1, O2, and O3. Applied and Environmental Microbiology, 1995, 61, 2493-2498.	3.1	33
21	Evaluation of BIONOR Mono-kits for rapid detection of bacterial fish pathogens. Diseases of Aquatic Organisms, 1995, 21, 25-34.	1.0	31
22	Cell-Surface-Associated Properties of Fish Pathogenic Bacteria. Journal of Aquatic Animal Health, 1991, 3, 297-301.	1.4	30
23	Protection of turbot, Scophthalmus maximus (L.), and rainbow trout, Oncorhynchus mykiss (Richardson), against vibriosis using two different vaccines. Journal of Fish Diseases, 1991, 14, 407-411.	1.9	29
24	Genetic analysis of aquabirnaviruses isolated from wild fish reveals occurrence of natural reassortment of infectious pancreatic necrosis virus. Journal of Fish Diseases, 2009, 32, 585-595.	1.9	29
25	Antemortem versus postmortem methods for detection of betanodavirus in Senegalese sole (Solea) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	28
26	Use of reverse transcription-real time polymerase chain reaction (real time RT-PCR) assays with Universal Probe Library (UPL) probes for the detection and genotyping of infectious pancreatic necrosis virus strains isolated in Chile. Journal of Virological Methods, 2012, 183, 80-85.	2.1	28
27	Isolation of betanodavirus from farmed turbot Psetta maxima showing no signs of viral encephalopathy and retinopathy. Aquaculture, 2013, 406-407, 125-130.	3.5	28
28	Presence of viruses in wild eels Anguilla anguilla L, from the Albufera Lake (Spain). Journal of Fish Diseases, 2014, 37, 597-607.	1.9	28
29	Genotyping of marine viral haemorrhagic septicaemia virus isolated from the Flemish Cap by nucleotide sequence analysis and restriction fragment length polymorphism patterns. Diseases of Aquatic Organisms, 2006, 73, 23-31.	1.0	27
30	Susceptibility of turbot (Scophthalmus maximus), coho salmon (Oncorhynchus kisutch, and rainbow) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Ichthyology, 1991, 7, 160-167.	0.7	26
31	Phenotypic and pathobiological properties of Corynebacterium aquaticum isolated from diseased striped bass. Diseases of Aquatic Organisms, 1992, 14, 115-126.	1.0	26
32	MICs and MBCs of chemotherapeutic agents against Renibacterium salmoninarum. Antimicrobial Agents and Chemotherapy, 1991, 35, 1011-1013.	3.2	25
33	Transcriptomic Profiles of Senegalese Sole Infected With Nervous Necrosis Virus Reassortants Presenting Different Degree of Virulence. Frontiers in Immunology, 2018, 9, 1626.	4.8	25
34	Isolation in cell culture and detection by PCR-based technology of IPNV-like virus from leucocytes of carrier turbot, Scophthalmus maximus (L.). Journal of Fish Diseases, 2005, 28, 713-722.	1.9	24
35	Influence of temperature on Betanodavirus infection in Senegalese sole (Solea senegalensis). Veterinary Microbiology, 2015, 179, 162-167.	1.9	24
36	Lack of Biological Activities in the Extracellular Products of Renibacterium salmoninarum. Canadian Journal of Fisheries and Aquatic Sciences, 1991, 48, 421-425.	1.4	23

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37	Comparison of the extracellular biological activities of Vibrio anguillarum and Aeromonas hydrophila. Aquaculture, 1992, 107, 259-270.	3.5	22
38	Validation of real time RT-PCR applied to cell culture for diagnosis of any known genotype of viral haemorrhagic septicaemia virus. Journal of Virological Methods, 2009, 162, 155-162.	2.1	22
39	Reassortant betanodavirus infection in turbot (Scophthalmus maximus). Journal of Fish Diseases, 2016, 39, 1347-1356.	1.9	19
40	Effect of serum factors on the survival of Renibacterium salmoninarum within rainbow trout macrophages. Diseases of Aquatic Organisms, 1995, 23, 221-227.	1.0	19
41	BEI Inactivated Vaccine Induces Innate and Adaptive Responses and Elicits Partial Protection upon Reassortant Betanodavirus Infection in Senegalese Sole. Vaccines, 2021, 9, 458.	4.4	18
42	Capsid amino acids at positions 247 and 270 are involved in the virulence of betanodaviruses to European sea bass. Scientific Reports, 2019, 9, 14068.	3.3	17
43	Susceptibility of the fish cell line SAF-1 to betanodavirus. Journal of Fish Diseases, 2006, 29, 633-636.	1.9	16
44	Role of the IFN I system against the VHSV infection in juvenile Senegalese sole (Solea senegalensis). Veterinary Research, 2016, 47, 3.	3.0	16
45	Influence of the growth conditions on the hydrophobicity ofRenibacterium salmoninarumevaluated by different methods. FEMS Microbiology Letters, 1989, 60, 71-78.	1.8	15
46	Quantitation of antibody secreting cells in high and low antibody responder inbred carp (Cyprinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	15
47	Experimental infection of turbot, Psetta maxima (L.), with strains of viral haemorrhagic septicaemia virus isolated from wild and farmed marine fish. Journal of Fish Diseases, 2007, 30, 303-312.	1.9	14
48	Replication and morphogenesis of the turbot aquareovirus (TRV) in cell culture. Aquaculture, 1998, 160, 47-62.	3.5	13
49	Real-time RT-PCR for detection, identification and absolute quantification of viral haemorrhagic septicaemia virus using different types of standards. Diseases of Aquatic Organisms, 2015, 114, 99-116.	1.0	13
50	Betanodavirus infection in primary neuron cultures from sole. Veterinary Research, 2018, 49, 86.	3.0	13
51	Immunogene expression analysis in betanodavirus infected-Senegalese sole using an OpenArrayÂ® platform. Gene, 2021, 774, 145430.	2.2	13
52	COMPARISON OF THE CELL SURFACE HYDROPHOBICITY OF BACTERIAL FISH PATHOGENS BY DIFFERENT PROCEDURES. , 1990, , 101-115.		13
53	Modification of betanodavirus virulence by substitutions in the 3' terminal region of RNA2. Journal of General Virology, 2018, 99, 1210-1220.	2.9	13
54	The detection of two antigenic groups among Renibacterium salmoninarum isolates. FEMS Microbiology Letters, 1992, 94, 105-110.	1.8	12

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55	Susceptibility of juvenile sole Solea senegalensis to marine isolates of viral haemorrhagic septicaemia virus from wild and farmed fish. Diseases of Aquatic Organisms, 2011, 93, 111-116.	1.0	12
56	Molecular characterization and expression analyses of the Solea senegalensis interferon-stimulated gene 15 (isg15) following NNV infections. Fish and Shellfish Immunology, 2017, 66, 423-432.	3.6	12
57	Influence of the growth conditions on the hydrophobicity of Renibacterium salmoninarum evaluated by different methods. FEMS Microbiology Letters, 1989, 60, 71-77.	1.8	12
58	In vivo study of viral haemorrhagic septicaemia virus and infectious pancreatic necrosis virus coexistence in Senegalese sole (Solea senegalensis). Journal of Fish Diseases, 2017, 40, 1129-1139.	1.9	11
59	Molecular characterization of birnaviruses isolated from wild marine fishes at the Flemish Cap (Newfoundland). Diseases of Aquatic Organisms, 2004, 61, 1-10.	1.0	10
60	In vitro reassortment between Infectious Pancreatic Necrosis Virus (IPNV) strains: The mechanisms involved and its effect on virulence. Virology, 2017, 501, 1-11.	2.4	10
61	Role of rotifer (Brachionus plicatilis) and Artemia (Artemia salina) nauplii in the horizontal transmission of a natural nervous necrosis virus (NNV) reassortant strain to Senegalese sole (Solea senegalensis) larvae. Veterinary Quarterly, 2020, 40, 205-214.	6.7	10
62	Development and Validation of a SYBR Green Real Time PCR Protocol for Detection and Quantification of Nervous Necrosis Virus (NNV) Using Different Standards. Animals, 2021, 11, 1100.	2.3	10
63	Aquabirnavirus polyploidy: a new strategy to modulate virulence?. Journal of General Virology, 2016, 97, 1168-1177.	2.9	9
64	Efficacy of Chemical Disinfectants against Turbot Aquareovirus. Applied and Environmental Microbiology, 1994, 60, 2168-2169.	3.1	9
65	Antigenic differences among aquareoviruses correlate with previously established genogroups. Diseases of Aquatic Organisms, 1996, 26, 159-162.	1.0	9
66	Detection of a Common Antigen amongRenibacterium salmoninarum,Corynebacterium aquaticum, andCarnobacterium piscicolaby the Western Blot Technique. Journal of Aquatic Animal Health, 1993, 5, 172-176.	1.4	8
67	Betanodavirus infection in bathâ€challenged Solea senegalensis juveniles: A comparative analysis of <scp>RGNNV</scp>,<scp> SJNNV</scp> and reassortant strains. Journal of Fish Diseases, 2018, 41, 1571-1578.	1.9	8
68	In vitro and in vivo replication of turbot aquareovirus (TRV) in turbot tissues. Diseases of Aquatic Organisms, 1996, 25, 217-223.	1.0	7
69	Immunological analysis of extracellular products and cell surface components of motile Aeromonas isolated from fish. Journal of Applied Bacteriology, 1996, 81, 585-593.	1.1	6
70	Amino acidic substitutions in the polymerase N-terminal region of a reassortant betanodavirus strain causing poor adaptation to temperature increase. Veterinary Research, 2019, 50, 50.	3.0	6
71	Amino acid changes in the capsid protein of a reassortant betanodavirus strain: Effect on viral replication in vitro and in vivo. Journal of Fish Diseases, 2019, 42, 221-227.	1.9	6
72	Steps of the Replication Cycle of the Viral Haemorrhagic Septicaemia Virus (VHSV) Affecting Its Virulence on Fish. Animals, 2020, 10, 2264.	2.3	6

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73	Effect of rearing density on nervous necrosis virus infection in Senegalese sole (<i>Solea) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.9	5
74	Immune Response of Senegalese Sole against Betanodavirus Mutants with Modified Virulence. Pathogens, 2021, 10, 1388.	2.8	4
75	Nervous necrosis virus viability modulation by water salinity and temperature. Journal of Fish Diseases, 2022, 45, 561-568.	1.9	4
76	Interspecies transmission between Solea senegalensis and Sparus aurata of reassortant Nervous Necrosis Virus (NNV) strains and effect of stress on the outcome of the infection. Aquaculture, 2022, 547, 737519.	3.5	3
77	Differential Nervous Necrosis Virus (NNV) Replication in Five Putative Susceptible Cell Lines. Pathogens, 2021, 10, 1565.	2.8	3
78	Detection of a vascular permeability factor in the extracellular products of Renibacterium salmoninarum. Microbial Pathogenesis, 1992, 13, 237-241.	2.9	2
79	Quantitative Flow Cytometry to Measure Viral Production Using Infectious Pancreatic Necrosis Virus as a Model: A Preliminary Study. Applied Sciences (Switzerland), 2018, 8, 1734.	2.5	2
80	Effect of the turbot aquareovirus on fish macrophages using an in vitro model. Diseases of Aquatic Organisms, 1996, 25, 209-216.	1.0	2
81	Immunological analysis of extracellular products and cell surface components of motile Aeromonas isolated from fish. Journal of Applied Microbiology, 1996, 81, 585-593.	3.1	1
82	Design and Evaluation of a Macroarray for Detection, Identification, and Typing of Viral Hemorrhagic Septicemia Virus (VHSV). Animals, 2021, 11, 841.	2.3	0
83	Techniques of Diagnosis of Fish and Shellfish Virus and Viral Diseases. , 2009, , 603-647.		0
84	Growth of the fish pathogen Renibacterium salmoninarum on different media. MicrobiologÃa: PublicaciÃ³n De La Sociedad EspaÃ±ola De MicrobiologÃa, 1996, 12, 439-42.	0.1	0