

Kenneth D Cain

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11587020/publications.pdf>

Version: 2024-02-01

57
papers

1,533
citations

304743

22
h-index

330143

37
g-index

57
all docs

57
docs citations

57
times ranked

1192
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Fish Vaccine Development Strategies: Conventional Methods and Modern Biotechnological Approaches. <i>Microorganisms</i> , 2019, 7, 569.	3.6	196
2	Antibody-antigen kinetics following immunization of rainbow trout (<i>Oncorhynchus mykiss</i>) with a T-cell dependent antigen. <i>Developmental and Comparative Immunology</i> , 2002, 26, 181-190.	2.3	90
3	The effects of recombinant bovine somatotropin (rbST) on tissue IGF-I, IGF-I receptor, and GH mRNA levels in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>General and Comparative Endocrinology</i> , 2004, 135, 324-333.	1.8	86
4	Characterisation of mucosal and systemic immune responses in rainbow trout (<i>Oncorhynchus mykiss</i>) using surface plasmon resonance. <i>Fish and Shellfish Immunology</i> , 2000, 10, 651-666.	3.6	84
5	Systemic and mucosal immune response of rainbow trout to immunization with an attenuated <i>Flavobacterium psychrophilum</i> vaccine strain by different routes. <i>Fish and Shellfish Immunology</i> , 2015, 44, 156-163.	3.6	76
6	Protective immunity in rainbow trout <i>Oncorhynchus mykiss</i> following immunization with distinct molecular mass fractions isolated from <i>Flavobacterium psychrophilum</i> . <i>Diseases of Aquatic Organisms</i> , 2004, 59, 17-26.	1.0	72
7	Isolation of rifampicin resistant <i>Flavobacterium psychrophilum</i> strains and their potential as live attenuated vaccine candidates. <i>Vaccine</i> , 2008, 26, 5582-5589.	3.8	58
8	Identification of potential vaccine target antigens by immunoproteomic analysis of a virulent and a non-virulent strain of the fish pathogen <i>Flavobacterium psychrophilum</i> . <i>Diseases of Aquatic Organisms</i> , 2007, 74, 37-47.	1.0	55
9	Enhanced resistance to coldwater disease following feeding of probiotic bacterial strains to rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i> , 2011, 321, 185-190.	3.5	50
10	Growth hormone differentially regulates muscle myostatin1 and -2 and increases circulating cortisol in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>General and Comparative Endocrinology</i> , 2004, 138, 32-41.	1.8	44
11	Rapid Detection and Monitoring of <i>Flavobacterium psychrophilum</i> in Water by Using a Handheld, Field-Portable Quantitative PCR System. <i>Journal of Aquatic Animal Health</i> , 2018, 30, 302-311.	1.4	36
12	Effect of immunization route on mucosal and systemic immune response in Atlantic salmon (<i>Salmo</i>)	1.2	35
13	Optimization of efficacy of a live attenuated <i>Flavobacterium psychrophilum</i> immersion vaccine. <i>Fish and Shellfish Immunology</i> , 2016, 56, 169-180.	3.6	35
14	Complete Genome Sequence of <i>Flavobacterium psychrophilum</i> Strain CSF259-93, Used To Select Rainbow Trout for Increased Genetic Resistance against Bacterial Cold Water Disease. <i>Genome Announcements</i> , 2014, 2, .	0.8	34
15	Evaluation of Egg Incubation Methods and Larval Feeding Regimes for North American Burbot. <i>North American Journal of Aquaculture</i> , 2008, 70, 162-170.	1.4	32
16	Enhanced efficacy of an attenuated <i>Flavobacterium psychrophilum</i> strain cultured under iron-limited conditions. <i>Fish and Shellfish Immunology</i> , 2013, 35, 1477-1482.	3.6	31
17	A probiotic <i>Enterobacter</i> sp. provides significant protection against <i>Flavobacterium psychrophilum</i> in rainbow trout (<i>Oncorhynchus mykiss</i>) after injection by two different routes. <i>Aquaculture</i> , 2014, 433, 361-366.	3.5	31
18	Electrophoretic and Western blot analyses of the lipopolysaccharide and glycocalyx of <i>Flavobacterium psychrophilum</i> . <i>Fish and Shellfish Immunology</i> , 2007, 23, 770-780.	3.6	29

#	ARTICLE	IF	CITATIONS
19	Effects of temperature on the intensive culture performance of larval and juvenile North American burbot (<i>Lota lota maculosa</i>). <i>Aquaculture</i> , 2012, 364-365, 67-73.	3.5	29
20	Entericidin Is Required for a Probiotic Treatment (<i>Enterobacter</i> sp. Strain C6-6) To Protect Trout from Cold-Water Disease Challenge. <i>Applied and Environmental Microbiology</i> , 2015, 81, 658-665.	3.1	28
21	A Quantitative Enzyme-Linked Immunosorbent Assay and Filtration-Based Fluorescent Antibody Test as Potential Tools to Screen Broodstock for Infection with <i>Flavobacterium psychrophilum</i> . <i>Journal of Aquatic Animal Health</i> , 2009, 21, 43-56.	1.4	27
22	Assessment of cross-protection to heterologous strains of <i>Flavobacterium psychrophilum</i> following vaccination with a live-attenuated coldwater disease immersion vaccine. <i>Journal of Fish Diseases</i> , 2019, 42, 75-84.	1.9	26
23	Laboratory Maintenance of <i>Flavobacterium psychrophilum</i> and <i>Flavobacterium columnare</i> . <i>Current Protocols in Microbiology</i> , 2007, 6, Unit 13B.1.	6.5	23
24	Co-infection of rainbow trout (<i>Oncorhynchus mykiss</i>) with infectious hematopoietic necrosis virus and <i>Flavobacterium psychrophilum</i> . <i>Journal of Fish Diseases</i> , 2019, 42, 1065-1076.	1.9	23
25	Development of a waterborne challenge model for <i>Flavobacterium psychrophilum</i> . <i>FEMS Microbiology Letters</i> , 2014, 359, 154-160.	1.8	22
26	Large-Scale Analysis of <i>Flavobacterium psychrophilum</i> Multilocus Sequence Typing Genotypes Recovered from North American Salmonids Indicates that both Newly Identified and Recurrent Clonal Complexes Are Associated with Disease. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	20
27	Characterization of serum and mucosal antibody responses in white sturgeon (<i>Acipenser</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Shellfish Immunology, 2007, 23, 657-669.	3.6	19
28	Coded Wire Tag and Passive Integrated Transponder Tag Implantations in Juvenile Burbot. <i>North American Journal of Fisheries Management</i> , 2014, 34, 391-400.	1.0	18
29	Transmission of white sturgeon iridovirus in Kootenai River white sturgeon <i>Acipenser transmontanus</i> . <i>Diseases of Aquatic Organisms</i> , 2006, 70, 37-45.	1.0	16
30	Performance and Macronutrient Composition of Age-0 Burbot Fed Four Diet Treatments. <i>North American Journal of Aquaculture</i> , 2011, 73, 360-368.	1.4	14
31	Investigation of the Link between Broodstock Infection, Vertical Transmission, and Prevalence of <i>Flavobacterium psychrophilum</i> in Eggs and Progeny of Rainbow Trout and Coho Salmon. <i>Journal of Aquatic Animal Health</i> , 2014, 26, 66-77.	1.4	14
32	Assessment of immune response and protection against bacterial coldwater disease induced by a live-attenuated vaccine delivered orally or intraperitoneally to rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum). <i>Aquaculture</i> , 2015, 446, 242-249.	3.5	13
33	Temperature and Maternal Age Effects on Burbot Reproduction. <i>North American Journal of Fisheries Management</i> , 2019, 39, 1192-1206.	1.0	13
34	Assessment of Formalin and Hydrogen Peroxide Use during Egg Incubation of North American Burbot. <i>North American Journal of Aquaculture</i> , 2010, 72, 111-117.	1.4	12
35	Artificial Marker Selection and Subsequent Tagging Evaluations with Juvenile Burbot. <i>Transactions of the American Fisheries Society</i> , 2013, 142, 1688-1698.	1.4	11
36	Movement of Lake-Origin Burbot Reared in a Hatchery Environment and Released into a Large River Drainage. <i>North American Journal of Fisheries Management</i> , 2011, 31, 56-62.	1.0	10

#	ARTICLE	IF	CITATIONS
37	Evaluating Microsatellite Markers for Parentage-Based Tagging of Hatchery Burbot. Northwest Science, 2016, 90, 249-259.	0.2	10
38	Triploid induction in cultured burbot (<i>Lota lota</i>) using thermal and hydrostatic shock. Aquaculture, 2020, 515, 734582.	3.5	9
39	Effects of Diel Temperature Fluctuation on Growth, Stress Response, and Immune Function of Burbot. Transactions of the American Fisheries Society, 2017, 146, 996-1007.	1.4	8
40	Evaluation of commercial and experimental grower diets for use in intensive burbot (<i>Lota lota</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	3.5	8
41	Quantification and comparison of gene expression associated with iron regulation and metabolism in a virulent and attenuated strain of <i>Flavobacterium psychrophilum</i> . Journal of Fish Diseases, 2021, 44, 949-960.	1.9	8
42	Out-of-season spawning of burbot (<i>Lota lota</i>) through temperature and photoperiod manipulation.. Aquaculture, 2021, 543, 736917.	3.5	8
43	An initial evaluation of fishmeal replacement with soy protein sources on growth and immune responses of burbot (<i>Lota lota maculosa</i>). Aquaculture, 2021, 545, 737157.	3.5	8
44	Suppression of Cannibalism during Larviculture of Burbot through Size Grading. North American Journal of Aquaculture, 2013, 75, 556-561.	1.4	7
45	Hydrogen Peroxide Treatments Administered to Hatchery-Reared Burbot: Assessing Treatment Regimes from Embryonic Development through Juvenile Rearing. North American Journal of Aquaculture, 2013, 75, 50-56.	1.4	7
46	Cross-protection of a live-attenuated <i>Flavobacterium psychrophilum</i> immersion vaccine against novel <i>Flavobacterium</i> spp. and <i>Chryseobacterium</i> spp. strains. Journal of Fish Diseases, 2020, 43, 915-928.	1.9	7
47	Effects of Stocking Density on Survival and Yield of North American Burbot Reared under Semi-Intensive Conditions. Transactions of the American Fisheries Society, 2013, 142, 1680-1687.	1.4	6
48	Challenges Associated with Heterologous Expression of <i>Flavobacterium psychrophilum</i> Proteins in <i>Escherichia coli</i> . Marine Biotechnology, 2008, 10, 719-730.	2.4	5
49	Attempts at validating a recombinant <i>Flavobacterium psychrophilum</i> gliding motility protein N as a vaccine candidate in rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum) against bacterial cold-water disease. FEMS Microbiology Letters, 2014, 358, 14-20.	1.8	5
50	Identification of Two Pathogenic <i>Aeromonas</i> Species Isolated from Juvenile Burbot during Production-Related Epizootics. Journal of Aquatic Animal Health, 2018, 30, 201-209.	1.4	5
51	Establishment and partial characterization of a cell line from burbot <i>Lota lota maculosa</i> : susceptibility to IHNV, IPNV and VHSV. Diseases of Aquatic Organisms, 2010, 90, 15-23.	1.0	5
52	Characterization of Oocyte Development in Hatchery-Reared Burbot. North American Journal of Aquaculture, 2012, 74, 408-412.	1.4	4
53	Initial Characterization of Embryonic Development in North American Burbot. North American Journal of Aquaculture, 2015, 77, 37-42.	1.4	3
54	Effects of Temperature Fluctuation on Burbot Embryos: Implications of Hydropower and Climate Change. Transactions of the American Fisheries Society, 2021, 150, 605-617.	1.4	3

#	ARTICLE	IF	CITATIONS
55	Isolation and experimental challenge of cultured burbot (<i>Lota lota maculosa</i>) with <i>Flavobacterium columnare</i> and <i>Aeromonas</i> sp. isolates. Journal of Fish Diseases, 2020, 43, 839-851.	1.9	2
56	Assessment of <i>Flavobacterium psychrophilum</i> associated mortality in Atlantic salmon (<i>Salmo salar</i>) and brook trout (<i>Salvelinus fontinalis</i>). Journal of Fish Diseases, 2021, 44, 645-653.	1.9	2
57	Immunization of rainbow trout <i>Oncorhynchus mykiss</i> (Walbaum) with a crude lipopolysaccharide extract from <i>Flavobacterium psychrophilum</i> . Aquaculture Research, 2014, 45, 476-483.	1.8	1