

Benjamin H Beck

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

1,466
citations

22
h-index

35
g-index

90
ext. papers

1,804
ext. citations

3.4
avg, IF

4.75
L-index

#	Paper	IF	Citations
89	Identification and Characterization of Differentially Expressed IgM Transcripts of Channel Catfish Vaccinated with Antigens of Virulent <i>Aeromonas hydrophila</i> . <i>Fishes</i> , 2022 , 7, 24	2.5	
88	The effect of piscidin antimicrobial peptides on the formation of Gram-negative bacterial biofilms. <i>Journal of Fish Diseases</i> , 2022 , 45, 99-105	2.6	
87	Bioeconomic Analysis of <i>Flavobacterium columnare</i> Vaccine Pond Trials with Channel Catfish. <i>North American Journal of Aquaculture</i> , 2021 , 83, 207	1.5	1
86	Toxicity of recombinant PirA and PirB derived from <i>Vibrio parahaemolyticus</i> in shrimp. <i>Microbial Pathogenesis</i> , 2021 , 155, 104886	3.8	0
85	Differential susceptibility of white bass (<i>Morone chrysops</i>), striped bass (<i>Morone saxatilis</i>) and hybrid striped bass (<i>M. chrysops</i> × <i>M. saxatilis</i>) to <i>Flavobacterium columnare</i> and effects of mucus on bacterial growth and biofilm development. <i>Journal of Fish Diseases</i> , 2021 , 44, 161-169	2.6	
84	A novel paper-based and pH-sensitive intelligent detector in meat and seafood packaging. <i>Talanta</i> , 2021 , 224, 121913	6.2	10
83	Differential production and secretion of potentially toxigenic extracellular proteins from hypervirulent <i>Aeromonas hydrophila</i> under biofilm and planktonic culture. <i>BMC Microbiology</i> , 2021 , 21, 8	4.5	1
82	Use of an immersion adjuvant with a <i>Flavobacterium columnare</i> recombinant protein vaccine in channel catfish. <i>Fish and Shellfish Immunology</i> , 2021 , 117, 136-139	4.3	1
81	Evaluation of Stocking Density and Dietary Fish Meal Inclusion for Intensive Tank Production of Pacific White Shrimp <i>Litopenaeus vannamei</i> Cultured in Low-Salinity Waters of Western Alabama. <i>North American Journal of Aquaculture</i> , 2020 , 82, 345-353	1.5	1
80	Growth, nutrient retention, innate immune response, and intestinal morphology of juvenile, soy-naïve hybrid striped bass, <i>Morone saxatilis</i> × <i>M. chrysops</i> fed commercial-type, soy-based, ideal protein, fish meal replacement diets. <i>Aquaculture</i> , 2020 , 522, 735150	4.4	3
79	Nutritional value of frass from black soldier fly larvae, <i>Hermetia illucens</i> , in a channel catfish, <i>Ictalurus punctatus</i> , diet. <i>Aquaculture Nutrition</i> , 2020 , 26, 812-819	3.2	13
78	Use of dietary frass from black soldier fly larvae, <i>Hermetia illucens</i> , in hybrid tilapia (Nile × Mozambique, <i>Oreochromis niloticus</i> × <i>O. mozambique</i>) diets improves growth and resistance to bacterial diseases. <i>Aquaculture Reports</i> , 2020 , 17, 100373	2.3	13
77	The severity of motile <i>Aeromonas</i> septicemia caused by virulent <i>Aeromonas hydrophila</i> in channel catfish is influenced by nutrients and microbes in water. <i>Aquaculture</i> , 2020 , 519, 734898	4.4	8
76	Proteome analysis of virulent <i>Aeromonas hydrophila</i> reveals the upregulation of iron acquisition systems in the presence of a xenosiderophore. <i>FEMS Microbiology Letters</i> , 2020 , 367,	2.9	1
75	On-farm evaluation of three different hatchery sources of Pacific white shrimp (<i>Litopenaeus vannamei</i>) cultured in on-levee tanks in low-salinity waters of west Alabama. <i>Journal of Applied Aquaculture</i> , 2020 , 32, 193-204	0.8	2
74	Immune response of channel catfish (<i>Ictalurus punctatus</i>) against <i>Ichthyophthirius multifiliis</i> post vaccination using DNA vaccines encoding immobilization antigens. <i>Fish and Shellfish Immunology</i> , 2019 , 94, 308-317	4.3	11
73	Antimicrobial activity of the biopolymer chitosan against <i>Streptococcus iniae</i> . <i>Journal of Fish Diseases</i> , 2019 , 42, 371-377	2.6	11

72	Evidence that the stress hormone cortisol regulates biofilm formation differently among <i>Flavobacterium columnare</i> isolates. <i>Veterinary Research</i> , 2019 , 50, 24	3.8	7
71	The effects of dietary inclusion of a <i>Saccharomyces cerevisiae</i> fermentation product in a commercial catfish ration on growth, immune readiness, and columnaris disease susceptibility. <i>Journal of Applied Aquaculture</i> , 2019 , 31, 193-209	0.8	1
70	The <i>gfc</i> operon is involved in the formation of the O antigen capsule in <i>Aeromonas hydrophila</i> and contributes to virulence in channel catfish. <i>Aquaculture</i> , 2019 , 512, 734334	4.4	7
69	Analysis of agglutinants elicited by antiserum of channel catfish immunized with extracellular proteins of virulent <i>Aeromonas hydrophila</i> . <i>Fish and Shellfish Immunology</i> , 2019 , 86, 223-229	4.3	4
68	SNP panel development for genetic management of wild and domesticated white bass (<i>Morone chrysops</i>). <i>Animal Genetics</i> , 2019 , 50, 92-96	2.5	6
67	Examining the interplay between <i>Streptococcus agalactiae</i> , the biopolymer chitin and its derivative. <i>MicrobiologyOpen</i> , 2019 , 8, e00733	3.4	2
66	Mechanisms of pathogen virulence and host susceptibility in virulent <i>Aeromonas hydrophila</i> infections of channel catfish (<i>Ictalurus punctatus</i>). <i>Aquaculture</i> , 2018 , 482, 1-8	4.4	35
65	Influence of native catfish mucus on <i>Flavobacterium columnare</i> growth and proteolytic activity. <i>Journal of Fish Diseases</i> , 2018 , 41, 1395-1402	2.6	7
64	Heritability of growth traits and correlation with hepatic gene expression among hybrid striped bass exhibiting extremes in performance. <i>Cogent Biology</i> , 2018 , 4, 1453319	1.6	4
63	Influence of Kaolin Clay on <i>Aeromonas hydrophila</i> Growth, Chemotaxis, and Virulence to Channel Catfish. <i>North American Journal of Aquaculture</i> , 2018 , 80, 427-435	1.5	2
62	Immersion vaccination with an inactivated virulent <i>Aeromonas hydrophila</i> bacterin protects hybrid catfish (<i>Ictalurus punctatus</i> X <i>Ictalurus furcatus</i>) from motile <i>Aeromonas</i> septicemia. <i>Fish and Shellfish Immunology</i> , 2018 , 82, 239-242	4.3	12
61	SNP marker panels for parentage assignment and traceability in the Florida bass (<i>Micropterus floridanus</i>). <i>Aquaculture</i> , 2018 , 485, 30-38	4.4	17
60	L-rhamnose-binding lectins (RBLs) in Nile tilapia, <i>Oreochromis niloticus</i> : Characterization and expression profiling in mucosal tissues. <i>Fish and Shellfish Immunology</i> , 2018 , 72, 426-435	4.3	4
59	Dietary copper effects survival of channel catfish challenged with <i>Flavobacterium columnare</i> . <i>Aquaculture Research</i> , 2017 , 48, 1751-1758	1.9	9
58	Sickeningly Sweet: L-rhamnose stimulates <i>Flavobacterium columnare</i> biofilm formation and virulence. <i>Journal of Fish Diseases</i> , 2017 , 40, 1613-1624	2.6	14
57	Expression of immune genes in systemic and mucosal immune tissues of channel catfish vaccinated with live theronts of <i>Ichthyophthirius multifiliis</i> . <i>Fish and Shellfish Immunology</i> , 2017 , 66, 540-547	4.3	13
56	Antimicrobial activity of chitosan and a chitosan oligomer against bacterial pathogens of warmwater fish. <i>Journal of Applied Microbiology</i> , 2017 , 122, 1570-1578	4.7	38
55	Chitin degradation and utilization by virulent <i>Aeromonas hydrophila</i> strain ML10-51K. <i>Archives of Microbiology</i> , 2017 , 199, 573-579	3	6

54	White Bass (<i>Morone chrysops</i>) Preferentially Retain n-3 PUFA in Ova When Fed Prepared Diets with Varying FA Content. <i>Lipids</i> , 2017 , 52, 823-836	1.6	3
53	More than just antibodies: Protective mechanisms of a mucosal vaccine against fish pathogen <i>Flavobacterium columnare</i> . <i>Fish and Shellfish Immunology</i> , 2017 , 71, 160-170	4.3	13
52	Additive genetic variation in resistance of Nile tilapia (<i>Oreochromis niloticus</i>) to <i>Streptococcus iniae</i> and <i>S. agalactiae</i> capsular type Ib: Is genetic resistance correlated?. <i>Aquaculture</i> , 2017 , 468, 193-198	4.4	30
51	Impact of oral and waterborne administration of rhamnolipids on the susceptibility of channel catfish (<i>Ictalurus punctatus</i>) to <i>Flavobacterium columnare</i> infection. <i>Fish and Shellfish Immunology</i> , 2017 , 60, 44-49	4.3	4
50	Use of Copper Sulfate to Control Egg Saprolegniasis at a Commercial Sunshine Bass Hatchery. <i>North American Journal of Aquaculture</i> , 2016 , 78, 243-250	1.5	9
49	Hypoxia affects performance traits and body composition of juvenile hybrid striped bass (<i>Morone chrysops</i> × <i>M. saxatilis</i>). <i>Aquaculture Research</i> , 2016 , 47, 2266-2275	1.9	9
48	A comparison of high- and low-virulence <i>Flavobacterium columnare</i> strains reveals differences in iron acquisition components and responses to iron restriction. <i>Journal of Fish Diseases</i> , 2016 , 39, 259-68	2.6	14
47	Hepatic transcriptomic and metabolic responses of hybrid striped bass (<i>Morone saxatilis</i> × <i>Morone chrysops</i>) to acute and chronic hypoxic insult. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2016 , 18, 1-9	2	7
46	Lysine supplementation of commercial fishmeal-free diet in hybrid striped bass <i>Morone chrysops</i> × <i>M. saxatilis</i> affects expression of growth-related genes. <i>Aquaculture Nutrition</i> , 2016 , 22, 738-744	3.2	4
45	Draft Genome Sequence of <i>Pseudomonas mosselii</i> Gil3, Isolated from Catfish and Antagonistic against Hypervirulent <i>Aeromonas hydrophila</i> . <i>Genome Announcements</i> , 2016 , 4,		2
44	Missing the target: DNAk is a dominant epitope in the humoral immune response of channel catfish (<i>Ictalurus punctatus</i>) to <i>Flavobacterium columnare</i> . <i>Fish and Shellfish Immunology</i> , 2016 , 51, 170-179	4.3	4
43	Impact of feed additives on surface mucosal health and columnaris susceptibility in channel catfish fingerlings, <i>Ictalurus punctatus</i> . <i>Fish and Shellfish Immunology</i> , 2015 , 46, 624-37	4.3	30
42	Effect of Contrasting Agents on Survival, Performance, and Condition of Larval Hybrid Striped Bass <i>Morone chrysops</i> × <i>M. saxatilis</i> in Tanks. <i>Journal of Applied Aquaculture</i> , 2015 , 27, 1-28	0.8	9
41	Why mucosal health? 2015 , 1-2		9
40	Physiology and immunology of mucosal barriers in catfish (<i>Ictalurus</i> spp.). <i>Tissue Barriers</i> , 2015 , 3, e1068207	4.07	38
39	Discovery and validation of gene-linked diagnostic SNP markers for assessing hybridization between Largemouth bass (<i>Micropterus salmoides</i>) and Florida bass (<i>M. floridanus</i>). <i>Molecular Ecology Resources</i> , 2015 , 15, 395-404	8.4	24
38	Kaolinitic clay protects against <i>Flavobacterium columnare</i> infection in channel catfish <i>Ictalurus punctatus</i> (Rafinesque). <i>Journal of Fish Diseases</i> , 2015 , 38, 241-8	2.6	11
37	Water hardness influences <i>Flavobacterium columnare</i> pathogenesis in channel catfish. <i>Aquaculture</i> , 2015 , 435, 252-256	4.4	10

36	New frontiers in mucosal health in aquaculture 2015 , 371-377		8
35	The Effectiveness of Flow-Through or Static Copper Sulfate Treatments on the Survival of Golden Shiners and Fathead Minnows Infected with <i>Flavobacterium columnare</i> . <i>North American Journal of Aquaculture</i> , 2015 , 77, 90-95	1.5	1
34	Dynamics of Circulating T Cell Activity in an Immunocompetent Mouse Model of High-Grade Glioma. <i>PLoS ONE</i> , 2015 , 10, e0122387	3.7	12
33	SNP discovery in wild and domesticated populations of blue catfish, <i>Ictalurus furcatus</i> , using genotyping-by-sequencing and subsequent SNP validation. <i>Molecular Ecology Resources</i> , 2014 , 14, 1261-70	8.4	25
32	Characterization and mucosal responses of interleukin 17 family ligand and receptor genes in channel catfish <i>Ictalurus punctatus</i> . <i>Fish and Shellfish Immunology</i> , 2014 , 38, 47-55	4.3	49
31	Nutritional impacts on gene expression in the surface mucosa of blue catfish (<i>Ictalurus furcatus</i>). <i>Developmental and Comparative Immunology</i> , 2014 , 44, 226-34	3.2	26
30	Metastasis suppressor KISS1 seems to reverse the Warburg effect by enhancing mitochondrial biogenesis. <i>Cancer Research</i> , 2014 , 74, 954-63	10.1	59
29	Expression of metastasis suppressor BRMS1 in breast cancer cells results in a marked delay in cellular adhesion to matrix. <i>Molecular Carcinogenesis</i> , 2014 , 53, 1011-26	5	13
28	Transcriptome annotation and marker discovery in white bass (<i>Morone chrysops</i>) and striped bass (<i>Morone saxatilis</i>). <i>Animal Genetics</i> , 2014 , 45, 885-7	2.5	11
27	Comparative Effects of Copper Sulfate or Potassium Permanganate on Channel Catfish Concurrently Infected with <i>Flavobacterium columnare</i> and <i>Ichthyobodo necator</i> . <i>Journal of Applied Aquaculture</i> , 2014 , 26, 71-83	0.8	6
26	L-Rhamnose-binding lectins (RBLs) in channel catfish, <i>Ictalurus punctatus</i> : Characterization and expression profiling in mucosal tissues. <i>Developmental and Comparative Immunology</i> , 2014 , 44, 320-31	3.2	34
25	White bass <i>Morone chrysops</i> is less susceptible than its hybrid to experimental infection with <i>Flavobacterium columnare</i> . <i>Diseases of Aquatic Organisms</i> , 2014 , 109, 15-22	1.7	7
24	Effectiveness of copper sulphate, potassium permanganate and peracetic acid to reduce mortality and infestation of <i>Ichthyobodo necator</i> in channel catfish <i>Ictalurus punctatus</i> (Rafinesque 1818). <i>Aquaculture Research</i> , 2013 , 44, 1103-1109	1.9	11
23	Early mucosal responses in blue catfish (<i>Ictalurus furcatus</i>) skin to <i>Aeromonas hydrophila</i> infection. <i>Fish and Shellfish Immunology</i> , 2013 , 34, 920-8	4.3	34
22	Basal polarization of the mucosal compartment in <i>Flavobacterium columnare</i> susceptible and resistant channel catfish (<i>Ictalurus punctatus</i>). <i>Molecular Immunology</i> , 2013 , 56, 317-27	4.3	80
21	Evasion of mucosal defenses during <i>Aeromonas hydrophila</i> infection of channel catfish (<i>Ictalurus punctatus</i>) skin. <i>Developmental and Comparative Immunology</i> , 2013 , 39, 447-55	3.2	67
20	Lysine optimization of a commercial fishmeal-free diet for hybrid striped bass (<i>Morone chrysops</i> M. <i>saxatilis</i>). <i>Aquaculture</i> , 2013 , 396-399, 89-101	4.4	9
19	Pretreating Channel Catfish with Copper Sulfate Affects Susceptibility to Columnaris Disease. <i>North American Journal of Aquaculture</i> , 2013 , 75, 205-211	1.5	8

18	Short-term feed deprivation alters immune status of surface mucosa in channel catfish (<i>Ictalurus punctatus</i>). <i>PLoS ONE</i> , 2013 , 8, e74581	3.7	36
17	Ubiquitous Brms1 expression is critical for mammary carcinoma metastasis suppression via promotion of apoptosis. <i>Clinical and Experimental Metastasis</i> , 2012 , 29, 315-25	4.7	11
16	Putative roles for a rhamnose binding lectin in <i>Flavobacterium columnare</i> pathogenesis in channel catfish <i>Ictalurus punctatus</i> . <i>Fish and Shellfish Immunology</i> , 2012 , 33, 1008-15	4.3	65
15	Effectiveness of Copper Sulfate and Potassium Permanganate on Channel Catfish Infected with <i>Flavobacterium columnare</i> . <i>North American Journal of Aquaculture</i> , 2012 , 74, 320-329	1.5	5
14	Acute toxicity and histopathology of channel catfish fry exposed to peracetic acid. <i>Aquaculture</i> , 2012 , 342-343, 134-138	4.4	22
13	Response of channelBlue hybrid catfish to chronic diurnal hypoxia. <i>Aquaculture</i> , 2012 , 350-353, 183-191	4.4	6
12	Chronic exogenous kisspeptin administration accelerates gonadal development in basses of the genus <i>Morone</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012 , 162, 265-73	2.6	43
11	Subsets of ATP-sensitive potassium channel (KATP) inhibitors increase gap junctional intercellular communication in metastatic cancer cell lines independent of SUR expression. <i>FEBS Letters</i> , 2012 , 586, 27-31	3.8	8
10	The impact of mitochondrial and thermal stress on the bioenergetics and reserve respiratory capacity of fish cell lines. <i>Journal of Aquatic Animal Health</i> , 2012 , 24, 244-50	2.6	3
9	Pre-osteoblastic MC3T3-E1 cells promote breast cancer growth in bone in a murine xenograft model. <i>Chinese Journal of Cancer</i> , 2011 , 30, 189-96		10
8	Homotypic gap junctional communication associated with metastasis suppression increases with PKA activity and is unaffected by PI3K inhibition. <i>Cancer Research</i> , 2010 , 70, 10002-11	10.1	28
7	The KISS1 metastasis suppressor: a good night kiss for disseminated cancer cells. <i>European Journal of Cancer</i> , 2010 , 46, 1283-9	7.5	61
6	Adoptively transferred ex vivo expanded gammadelta-T cells mediate in vivo antitumor activity in preclinical mouse models of breast cancer. <i>Breast Cancer Research and Treatment</i> , 2010 , 122, 135-44	4.4	52
5	KISS1 over-expression suppresses metastasis of pancreatic adenocarcinoma in a xenograft mouse model. <i>Clinical and Experimental Metastasis</i> , 2010 , 27, 591-600	4.7	47
4	Protective immunosurveillance and therapeutic antitumor activity of gammadelta T cells demonstrated in a mouse model of prostate cancer. <i>Journal of Immunology</i> , 2008 , 180, 6044-53	5.3	79
3	Virus Distribution and Signs of Disease after Immersion Exposure to Largemouth Bass Virus. <i>Journal of Aquatic Animal Health</i> , 2006 , 18, 176-183	2.6	8
2	Effects of Live-Well Conditions on Mortality and Largemouth Bass Virus Prevalence in Largemouth Bass Caught during Summer Tournaments. <i>North American Journal of Fisheries Management</i> , 2006 , 26, 812-825	1.1	17
1	Evaluation of Cell Culture Methods for Detection of Largemouth Bass Virus. <i>Journal of Aquatic Animal Health</i> , 2005 , 17, 365-372	2.6	11

