

# Eric Peatman

## 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.

85  
papers

3,726  
citations

36  
h-index

59  
g-index

87  
ext. papers

4,263  
ext. citations

3.9  
avg, IF

5.01  
L-index

#	Paper	IF	Citations
85	The effect of piscidin antimicrobial peptides on the formation of Gram-negative bacterial biofilms. <i>Journal of Fish Diseases</i> , <b>2022</b> , 45, 99-105	2.6	
84	Transcriptomic profiles of Florida pompano ( <i>Trachinotus carolinus</i> ) gill following infection by the ectoparasite <i>Amyloodiniumocellatum</i> .. <i>Fish and Shellfish Immunology</i> , <b>2022</b> , 125, 171-179	4.3	0
83	Complex introgression among three diverged largemouth bass lineages.. <i>Evolutionary Applications</i> , <b>2021</b> , 14, 2815-2830	4.8	0
82	SNP analyses highlight a unique, imperiled southern walleye ( <i>Sander vitreus</i> ) in the Mobile River Basin. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2020</b> , 77, 1366-1378	2.4	3
81	Empirical Evaluation of Oxytetracycline and F1 Genetics to Differentiate Stocked from Wild Largemouth Bass. <i>North American Journal of Fisheries Management</i> , <b>2020</b> , 40, 713-717	1.1	1
80	EasyParallel: A GUI platform for parallelization of STRUCTURE and NEWHYBRIDS analyses. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232110	3.7	8
79	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> , <b>2020</b> , 367,	2.9	1
78	Species-diagnostic SNP markers for the black basses ( <i>Micropterus</i> spp.): a new tool for black bass conservation and management. <i>Conservation Genetics Resources</i> , <b>2020</b> , 12, 319-328	0.8	8
77	Antimicrobial activity of the biopolymer chitosan against <i>Streptococcus iniae</i> . <i>Journal of Fish Diseases</i> , <b>2019</b> , 42, 371-377	2.6	11
76	Using species-diagnostic SNPs to detail the distribution and dynamics of hybridized black bass populations in southern Africa. <i>Biological Invasions</i> , <b>2019</b> , 21, 1499-1509	2.7	10
75	Transcriptome Analysis Reveals Unique Relationships Among Species and Heritage of. <i>G3: Genes, Genomes, Genetics</i> , <b>2019</b> , 9, 2029-2036	3.2	9
74	Evidence that the stress hormone cortisol regulates biofilm formation differently among <i>Flavobacterium columnare</i> isolates. <i>Veterinary Research</i> , <b>2019</b> , 50, 24	3.8	7
73	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> , <b>2019</b> , 31, 193-209	0.8	1
72	Development of SNP Panels as a New Tool to Assess the Genetic Diversity, Population Structure, and Parentage Analysis of the Eastern Oyster ( <i>Crassostrea virginica</i> ). <i>Marine Biotechnology</i> , <b>2018</b> , 20, 385-395	3.4	16
71	Mechanisms of pathogen virulence and host susceptibility in virulent <i>Aeromonas hydrophila</i> infections of channel catfish ( <i>Ictalurus punctatus</i> ). <i>Aquaculture</i> , <b>2018</b> , 482, 1-8	4.4	35
70	Winter kill in intensively stocked channel catfish ( <i>Ictalurus punctatus</i> ): Coinfection with <i>Aeromonas veronii</i> , <i>Streptococcus parauberis</i> and <i>Shewanella putrefaciens</i> . <i>Journal of Fish Diseases</i> , <b>2018</b> , 41, 1339-1347	2.6	9
69	Influence of native catfish mucus on <i>Flavobacterium columnare</i> growth and proteolytic activity. <i>Journal of Fish Diseases</i> , <b>2018</b> , 41, 1395-1402	2.6	7

68	Differential gene expression to an LPS challenge in relation to exogenous corticosterone in the invasive cane toad ( <i>Rhinella marina</i> ). <i>Developmental and Comparative Immunology</i> , <b>2018</b> , 88, 114-123	3-2	12
67	SNP marker panels for parentage assignment and traceability in the Florida bass ( <i>Micropterus floridanus</i> ). <i>Aquaculture</i> , <b>2018</b> , 485, 30-38	4-4	17
66	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> , <b>2018</b> , 72, 426-435	4-3	4
65	Effects of CRISPR/Cas9 dosage on TICAM1 and RBL gene mutation rate, embryonic development, hatchability and fry survival in channel catfish. <i>Scientific Reports</i> , <b>2018</b> , 8, 16499	4-9	18
64	Short-term low salinity mitigates effects of oil and dispersant on juvenile eastern oysters: A laboratory experiment with implications for oil spill response activities. <i>PLoS ONE</i> , <b>2018</b> , 13, e0203485	3-7	8
63	Genome-Wide Association Study Reveals Multiple Novel QTL Associated with Low Oxygen Tolerance in Hybrid Catfish. <i>Marine Biotechnology</i> , <b>2017</b> , 19, 379-390	3-4	42
62	More than just antibodies: Protective mechanisms of a mucosal vaccine against fish pathogen <i>Flavobacterium columnare</i> . <i>Fish and Shellfish Immunology</i> , <b>2017</b> , 71, 160-170	4-3	13
61	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> , <b>2017</b> , 60, 44-49	4-3	4
60	The channel catfish genome sequence provides insights into the evolution of scale formation in teleosts. <i>Nature Communications</i> , <b>2016</b> , 7, 11757	17-4	173
59	Galectins in channel catfish, <i>Ictalurus punctatus</i> : Characterization and expression profiling in mucosal tissues. <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 49, 324-35	4-3	26
58	Ribosomal protein genes are highly enriched among genes with allele-specific expression in the interspecific F1 hybrid catfish. <i>Molecular Genetics and Genomics</i> , <b>2016</b> , 291, 1083-93	3-1	5
57	Expression profile analysis of two cathepsin S in channel catfish ( <i>Ictalurus punctatus</i> ) mucosal tissues following bacterial challenge. <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 48, 112-8	4-3	16
56	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> , <b>2016</b> , 18, 1-9	2	7
55	Expression profiling analysis of immune-related genes in channel catfish ( <i>Ictalurus punctatus</i> ) skin mucus following <i>Flavobacterium columnare</i> challenge. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 46, 537-42	4-3	22
54	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> , <b>2015</b> , 46, 624-37	4-3	30
53	Why mucosal health? <b>2015</b> , 1-2		9
52	Physiology and immunology of mucosal barriers in catfish ( <i>Ictalurus</i> spp.). <i>Tissue Barriers</i> , <b>2015</b> , 3, e1068207	4-3	38
51	Identification and mucosal expression analysis of cathepsin B in channel catfish ( <i>Ictalurus punctatus</i> ) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 47, 751-7	4-3	14

50	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> , <b>2015</b> , 15, 395-404	8.4	24
49	Spermatogonial stem cells specific marker identification in channel catfish, <i>Ictalurus punctatus</i> and blue catfish, <i>I. furcatus</i> . <i>Fish Physiology and Biochemistry</i> , <b>2015</b> , 41, 1545-56	2.7	14
48	Mucosal expression signatures of two Cathepsin L in channel catfish ( <i>Ictalurus punctatus</i> ) following bacterial challenge. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 47, 582-9	4.3	18
47	New frontiers in mucosal health in aquaculture <b>2015</b> , 371-377		8
46	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> , <b>2014</b> , 14, 1261-70	8.4	25
45	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> , <b>2014</b> , 38, 47-55	4.3	49
44	Nutritional impacts on gene expression in the surface mucosa of blue catfish ( <i>Ictalurus furcatus</i> ). <i>Developmental and Comparative Immunology</i> , <b>2014</b> , 44, 226-34	3.2	26
43	Transcriptomic profiling of differential responses to drought in two freshwater mussel species, the giant floater <i>Pyganodon grandis</i> and the pondhorn <i>Uniomerus tetralasmus</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e89481	3.7	19
42	Transcriptome annotation and marker discovery in white bass ( <i>Morone chrysops</i> ) and striped bass ( <i>Morone saxatilis</i> ). <i>Animal Genetics</i> , <b>2014</b> , 45, 885-7	2.5	11
41	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> , <b>2014</b> , 44, 320-31	3.2	34
40	Early mucosal responses in blue catfish ( <i>Ictalurus furcatus</i> ) skin to <i>Aeromonas hydrophila</i> infection. <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 34, 920-8	4.3	34
39	Basal polarization of the mucosal compartment in <i>Flavobacterium columnare</i> susceptible and resistant channel catfish ( <i>Ictalurus punctatus</i> ). <i>Molecular Immunology</i> , <b>2013</b> , 56, 317-27	4.3	80
38	Evasion of mucosal defenses during <i>Aeromonas hydrophila</i> infection of channel catfish ( <i>Ictalurus punctatus</i> ) skin. <i>Developmental and Comparative Immunology</i> , <b>2013</b> , 39, 447-55	3.2	67
37	RNA-Seq reveals expression signatures of genes involved in oxygen transport, protein synthesis, folding, and degradation in response to heat stress in catfish. <i>Physiological Genomics</i> , <b>2013</b> , 45, 462-76	3.6	103
36	Short-term feed deprivation alters immune status of surface mucosa in channel catfish ( <i>Ictalurus punctatus</i> ). <i>PLoS ONE</i> , <b>2013</b> , 8, e74581	3.7	36
35	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> , <b>2012</b> , 33, 1008-15	4.3	65
34	Characterization of a mannose-binding lectin from channel catfish ( <i>Ictalurus punctatus</i> ). <i>Research in Veterinary Science</i> , <b>2012</b> , 92, 408-13	2.5	46
33	Rapid development of molecular resources for a freshwater mussel, <i>Villosa lienosa</i> ( <i>Bivalvia:Unionidae</i> ), using an RNA-seq-based approach. <i>Freshwater Science</i> , <b>2012</b> , 31, 695-708	2	22

32	Pathogen recognition receptors in channel catfish: I. Identification, phylogeny and expression of NOD-like receptors. <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 37, 77-86	3.2	87
31	Pathogen recognition receptors in channel catfish: II. Identification, phylogeny and expression of retinoic acid-inducible gene I (RIG-I)-like receptors (RLRs). <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 37, 381-9	3.2	81
30	Transcriptomic signatures of attachment, NF- $\kappa$ B suppression and IFN stimulation in the catfish gill following columnaris bacterial infection. <i>Developmental and Comparative Immunology</i> , <b>2012</b> , 38, 169-80	3.2	132
29	Molecular characterization of three L-type lectin genes from channel catfish, <i>Ictalurus punctatus</i> and their responses to <i>Edwardsiella ictaluri</i> challenge. <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 32, 598-608	4.3	24
28	RNA-seq analysis of mucosal immune responses reveals signatures of intestinal barrier disruption and pathogen entry following <i>Edwardsiella ictaluri</i> infection in channel catfish, <i>Ictalurus punctatus</i> . <i>Fish and Shellfish Immunology</i> , <b>2012</b> , 32, 816-27	4.3	164
27	Profiling of gene duplication patterns of sequenced teleost genomes: evidence for rapid lineage-specific genome expansion mediated by recent tandem duplications. <i>BMC Genomics</i> , <b>2012</b> , 13, 246	4.5	71
26	Catfish Functional Genomics: Progress and Perspectives <b>2012</b> , 349-360		
25	Chronic exogenous kisspeptin administration accelerates gonadal development in basses of the genus <i>Morone</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2012</b> , 162, 265-73	2.6	43
24	Efficient assembly and annotation of the transcriptome of catfish by RNA-Seq analysis of a doubled haploid homozygote. <i>BMC Genomics</i> , <b>2012</b> , 13, 595	4.5	102
23	Catfish hybrid <i>Ictalurus punctatus</i> $\times$ <i>I. furcatus</i> exhibits higher resistance to columnaris disease than the parental species. <i>Diseases of Aquatic Organisms</i> , <b>2012</b> , 100, 77-81	1.7	48
22	Microfibrillar-associated protein 4 (MFAP4) genes in catfish play a novel role in innate immune responses. <i>Developmental and Comparative Immunology</i> , <b>2011</b> , 35, 568-79	3.2	40
21	Molecular responses of ceruloplasmin to <i>Edwardsiella ictaluri</i> infection and iron overload in channel catfish ( <i>Ictalurus punctatus</i> ). <i>Fish and Shellfish Immunology</i> , <b>2011</b> , 30, 992-7	4.3	15
20	Generation of genome-scale gene-associated SNPs in catfish for the construction of a high-density SNP array. <i>BMC Genomics</i> , <b>2011</b> , 12, 53	4.5	118
19	Identification and characterization of full-length cDNAs in channel catfish ( <i>Ictalurus punctatus</i> ) and blue catfish ( <i>Ictalurus furcatus</i> ). <i>PLoS ONE</i> , <b>2010</b> , 5, e11546	3.7	36
18	Assembly of 500,000 inter-specific catfish expressed sequence tags and large scale gene-associated marker development for whole genome association studies. <i>Genome Biology</i> , <b>2010</b> , 11, R8	18.3	79
17	SNP Genotyping Platforms <b>2010</b> , 123-132		3
16	Molecular characterization and gene expression of the channel catfish ferritin H subunit after bacterial infection and iron treatment. <i>Journal of Experimental Zoology</i> , <b>2010</b> , 313, 359-68		28
15	NOD-like subfamily of the nucleotide-binding domain and leucine-rich repeat containing family receptors and their expression in channel catfish. <i>Developmental and Comparative Immunology</i> , <b>2009</b> , 33, 991-9	3.2	102

14	Quality assessment parameters for EST-derived SNPs from catfish. <i>BMC Genomics</i> , <b>2008</b> , 9, 450	4.5	92
13	Microarray analysis of gene expression in the blue catfish liver reveals early activation of the MHC class I pathway after infection with <i>Edwardsiella ictaluri</i> . <i>Molecular Immunology</i> , <b>2008</b> , 45, 553-66	4.3	121
12	The two channel catfish intelectin genes exhibit highly differential patterns of tissue expression and regulation after infection with <i>Edwardsiella ictaluri</i> . <i>Developmental and Comparative Immunology</i> , <b>2008</b> , 32, 693-705	3.2	64
11	Generation and analysis of ESTs from the eastern oyster, <i>Crassostrea virginica</i> Gmelin and identification of microsatellite and SNP markers. <i>BMC Genomics</i> , <b>2007</b> , 8, 157	4.5	58
10	Evolution of CC chemokines in teleost fish: a case study in gene duplication and implications for immune diversity. <i>Immunogenetics</i> , <b>2007</b> , 59, 613-23	3.2	116
9	Expression analysis of the acute phase response in channel catfish ( <i>Ictalurus punctatus</i> ) after infection with a Gram-negative bacterium. <i>Developmental and Comparative Immunology</i> , <b>2007</b> , 31, 1183-92	3.2	157
8	Toll-like receptor 3 and TICAM genes in catfish: species-specific expression profiles following infection with <i>Edwardsiella ictaluri</i> . <i>Immunogenetics</i> , <b>2006</b> , 58, 817-30	3.2	89
7	Characterization of a NK-lysin antimicrobial peptide gene from channel catfish. <i>Fish and Shellfish Immunology</i> , <b>2006</b> , 20, 419-26	4.3	63
6	Genomic organization, gene duplication, and expression analysis of interleukin-1beta in channel catfish ( <i>Ictalurus punctatus</i> ). <i>Molecular Immunology</i> , <b>2006</b> , 43, 1653-64	4.3	65
5	CC chemokines in zebrafish: evidence for extensive intrachromosomal gene duplications. <i>Genomics</i> , <b>2006</b> , 88, 381-5	4.3	43
4	Catfish CC chemokines: genomic clustering, duplications, and expression after bacterial infection with <i>Edwardsiella ictaluri</i> . <i>Molecular Genetics and Genomics</i> , <b>2006</b> , 275, 297-309	3.1	60
3	Catfish hepcidin gene is expressed in a wide range of tissues and exhibits tissue-specific upregulation after bacterial infection. <i>Developmental and Comparative Immunology</i> , <b>2005</b> , 29, 939-50	3.2	150
2	In silico identification and expression analysis of 12 novel CC chemokines in catfish. <i>Immunogenetics</i> , <b>2005</b> , 57, 409-19	3.2	41
1	Sequence analysis and expression of a CXC chemokine in resistant and susceptible catfish after infection of <i>Edwardsiella ictaluri</i> . <i>Developmental and Comparative Immunology</i> , <b>2004</b> , 28, 769-80	3.2	70