Jeffrey A. Yoder

List of Publications by Year
in descending order

102 papers	7,386 citations	94433 37 h-index	56724 83 g-index
109 all docs	109 docs citations	109 times ranked	8076 citing authors

#	Article	IF	Citations
1	On the relationship between extant innate immune receptors and the evolutionary origins of jawed vertebrate adaptive immunity. Immunogenetics, 2022, 74, 111-128.	2.4	18
2	The evolution of innate immune receptors: investigating the diversity, distribution, and phylogeny of immune recognition across eukaryotes. Immunogenetics, 2022, 74, 1-4.	2.4	3
3	Transcriptome annotation reveals minimal immunogenetic diversity among Wyoming toads, Anaxyrus baxteri. Conservation Genetics, 2022, 23, 669-681.	1.5	2
4	Therapeutic targeting of LCK tyrosine kinase and mTOR signaling in T-cell acute lymphoblastic leukemia. Blood, 2022, 140, 1891-1906.	1.4	19
5	Knockdown of Transmembrane Protein 150A (<i>TMEM150A</i>) Results in Increased Production of Multiple Cytokines. Journal of Interferon and Cytokine Research, 2022, 42, 336-342.	1.2	1
6	The bowfin genome illuminates the developmental evolution of ray-finned fishes. Nature Genetics, 2021, 53, 1373-1384.	21.4	48
7	A Zebrafish Model of Metastatic Colonization Pinpoints Cellular Mechanisms of Circulating Tumor Cell Extravasation. Frontiers in Oncology, 2021, 11, 641187.	2.8	6
8	<i>Single-minded 2</i> is required for left-right asymmetric stomach morphogenesis. Development (Cambridge), 2021, 148, .	2.5	3
9	Holosteans contextualize the role of the teleost genome duplication in promoting the rise of evolutionary novelties in the ray-finned fish innate immune system. Immunogenetics, 2021, 73, 479-497.	2.4	11
10	From IgZ to IgT: A Call for a Common Nomenclature for Immunoglobulin Heavy Chain Genes of Ray-Finned Fish. Zebrafish, 2021, 18, 343-345.	1.1	9
11	<i>In vivo</i> assessment of respiratory burst inhibition by xenobiotic exposure using larval zebrafish. Journal of Immunotoxicology, 2020, 17, 94-104.	1.7	8
12	Transcriptome Ortholog Alignment Sequence Tools (TOAST) for phylogenomic dataset assembly. BMC Evolutionary Biology, 2020, 20, 41.	3.2	9
13	Lossâ€ofâ€function mutations in the melanocortin 1 receptor cause disruption of dorsoâ€ventral countershading in teleost fish. Pigment Cell and Melanoma Research, 2019, 32, 817-828.	3.3	31
14	Calcium imaging of primary canine sensory neurons: Smallâ€diameter neurons responsive to pruritogens and algogens. Brain and Behavior, 2019, 9, e01428.	2.2	8
15	Presence of cerebrospinal fluid antibodies associated with autoimmune encephalitis of humans in dogs with neurologic disease. Journal of Veterinary Internal Medicine, 2019, 33, 2175-2182.	1.6	18
16	Circulating tumor cells exit circulation while maintaining multicellularity augmenting metastatic potential. Journal of Cell Science, 2019, 132, .	2.0	36
17	Countershading in zebrafish results from an Asip1 controlled dorsoventral gradient of pigment cell differentiation. Scientific Reports, 2019, 9, 3449.	3.3	45
18	Ligand-mediated protein degradation reveals functional conservation among sequence variants of the CUL4-type E3 ligase substrate receptor cereblon. Journal of Biological Chemistry, 2018, 293, 6187-6200.	3.4	32

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19	Fish Pigmentation. A Key Issue for the Sustainable Development of Fish Farming. , 2018, , 229-252.		10
20	Fish pigmentation and the melanocortin system. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 211, 26-33.	1.8	102
21	BAC Recombineering of the <i>Agouti</i> Loci from Spotted Gar and Zebrafish Reveals the Evolutionary Ancestry of Dorsalâ€"Ventral Pigment Asymmetry in Fish. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 697-708.	1.3	18
22	Spotted Gar and the Evolution of Innate Immune Receptors. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 666-684.	1.3	24
23	Disruption of Trim9 function abrogates macrophage motility in vivo. Journal of Leukocyte Biology, 2017, 102, 1371-1380.	3.3	8
24	Loss of DNA methylation in zebrafish embryos activates retrotransposons to trigger antiviral signaling. Development (Cambridge), 2017, 144, 2925-2939.	2.5	53
25	Angiopellosis as an Alternative Mechanism of Cell Extravasation. Stem Cells, 2017, 35, 170-180.	3.2	42
26	Evolutionary divergence of the vertebrate TNFAIP8 gene family: Applying the spotted gar orthology bridge to understand ohnolog loss in teleosts. PLoS ONE, 2017, 12, e0179517.	2.5	7
27	A Review of Automated Microinjection Systems for Single Cells in the Embryogenesis Stage. IEEE/ASME Transactions on Mechatronics, 2016, 21, 2391-2404.	5.8	78
28	The identification of additional zebrafish DICP genes reveals haplotype variation and linkage to MHC class I genes. Immunogenetics, 2016, 68, 295-312.	2.4	12
29	Single-cell transcriptional analysis of normal, aberrant, and malignant hematopoiesis in zebrafish. Journal of Experimental Medicine, 2016, 213, 979-992.	8.5	69
30	Behind melanocortin antagonist overexpression in the zebrafish brain: A behavioral and transcriptomic approach. Hormones and Behavior, 2016, 82, 87-100.	2.1	34
31	Phage display and structural studies reveal plasticity in substrate specificity of caspaseâ€3a from zebrafish. Protein Science, 2016, 25, 2076-2088.	7.6	16
32	Alternative haplotypes of antigen processing genes in zebrafish diverged early in vertebrate evolution. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5014-23.	7.1	56
33	The confounding complexity of innate immune receptors within and between teleost species. Fish and Shellfish Immunology, 2016, 53, 24-34.	3.6	26
34	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. Nature Genetics, 2016, 48, 427-437.	21.4	545
35	Single-cell transcriptional analysis of normal, aberrant, and malignant hematopoiesis in zebrafish. Journal of Cell Biology, 2016, 213, 2133OIA95.	5.2	1
36	Pigment patterns in adult fish result from superimposition of two largely independent pigmentation mechanisms. Pigment Cell and Melanoma Research, 2015, 28, 196-209.	3.3	55

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37	Machine learning reveals sexâ€specific 17Î²â€estradiolâ€responsive expression patterns in white perch (<i>Morone americana</i>) plasma proteins. Proteomics, 2015, 15, 2678-2690.	2.2	13
38	Neutralization of Mitochondrial Superoxide by Superoxide Dismutase 2 Promotes Bacterial Clearance and Regulates Phagocyte Numbers in Zebrafish. Infection and Immunity, 2015, 83, 430-440.	2.2	38
39	A nonclassical MHC class I U lineage locus in zebrafish with a null haplotypic variant. Immunogenetics, 2015, 67, 501-513.	2.4	10
40	Characterization of the Z lineage Major histocompatability complex class I genes in zebrafish. Immunogenetics, 2014, 66, 185-198.	2.4	25
41	Differential expression and ligand binding indicate alternative functions for zebrafish polymeric immunoglobulin receptor (pIgR) and a family of pIgR-like (PIGRL) proteins. Immunogenetics, 2014, 66, 267-279.	2.4	51
42	An ITAM in a Nonenveloped Virus Regulates Activation of NF-ÎºB, Induction of Beta Interferon, and Viral Spread. Journal of Virology, 2014, 88, 2572-2583.	3.4	15
43	Multigene families of immunoglobulin domain-containing innate immune receptors in zebrafish: Deciphering the differences. Developmental and Comparative Immunology, 2014, 46, 24-34.	2.3	22
44	Preface to the Special Issue: Zebrafish immunity and infection models. Developmental and Comparative Immunology, 2014, 46, 1-2.	2.3	0
45	The MHC class I genes of zebrafish. Developmental and Comparative Immunology, 2014, 46, 11-23.	2.3	34
46	A Myristoylated Alanine-Rich C Kinase Substrateâ€"Related Peptide Suppresses Cytokine mRNA and Protein Expression in LPS-Activated Canine Neutrophils. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 314-321.	2.9	30
47	Super Resolution Microscopy Reveals that Caveolin-1 Is Required for Spatial Organization of CRFB1 and Subsequent Antiviral Signaling in Zebrafish. PLoS ONE, 2013, 8, e68759.	2.5	31
48	A photoactivatable small-molecule inhibitor for light-controlled spatiotemporal regulation of Rho kinase in live embryos. Development (Cambridge), 2012, 139, 437-442.	2.5	29
49	Development and Characterization of Anti-Nitr9 Antibodies. Advances in Hematology, 2012, 2012, 1-9.	1.0	5
50	Genomic and functional characterization of the diverse immunoglobulin domain-containing protein (DICP) family. Genomics, 2012, 99, 282-291.	2.9	22
51	Surface modifications on InAs decrease indium and arsenic leaching under physiological conditions. Applied Surface Science, 2012, 261, 842-850.	6.1	12
52	Myristoylated Alanine-Rich C Kinase Substrate (MARCKS) Protein Plays A Critical Role In Production Of Proinflammatory Cytokines By Isolated Canine Neutrophils. , 2012, , .		0
53	A photoactivatable small-molecule inhibitor for light-controlled spatiotemporal regulation of Rho kinase in live embryos. Journal of Cell Science, 2012, 125, e1-e1.	2.0	1
54	Transient Ectopic Overexpression of Agouti-Signalling Protein 1 (Asip1) Induces Pigment Anomalies in Flatfish. PLoS ONE, 2012, 7, e48526.	2.5	41

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55	The phylogenetic origins of natural killer receptors and recognition: relationships, possibilities, and realities. Immunogenetics, 2011, 63, 123-141.	2.4	73
56	Two Myristoylated Alanineâ€Rich Câ€Kinase Substrate (MARCKS) Paralogs are Required for Normal Development in Zebrafish. Anatomical Record, 2011, 294, 1511-1524.	1.4	13
57	Expression and function of triggering receptor expressed on myeloid cells-1 (TREM-1) on canine neutrophils. Developmental and Comparative Immunology, 2011, 35, 872-880.	2.3	13
58	Developmental and tissue-specific expression of NITRs. Immunogenetics, 2010, 62, 117-122.	2.4	33
59	Specific Resistance to <i>Pseudomonas aeruginosa</i> Infection in Zebrafish Is Mediated by the Cystic Fibrosis Transmembrane Conductance Regulator. Infection and Immunity, 2010, 78, 4542-4550.	2.2	75
60	Sp2 Is a Maternally Inherited Transcription Factor Required for Embryonic Development. Journal of Biological Chemistry, 2010, 285, 4153-4164.	3.4	12
61	Photocaged Morpholino Oligomers for the Light-Regulation of Gene Function in Zebrafish and <i>Xenopus</i> Embryos. Journal of the American Chemical Society, 2010, 132, 15644-15650.	13.7	115
62	Aquatic animal models of human disease: Selected papers and recommendations from the 4th Conference. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 121-128.	2.6	9
63	Form, function and phylogenetics of NITRs in bony fish. Developmental and Comparative Immunology, 2009, 33, 135-144.	2.3	51
64	Enhanced transcription of complement and coagulation genes in the absence of adaptive immunity. Molecular Immunology, 2009, 46, 1505-1516.	2.2	31
65	Light-activation of gene function in mammalian cells viaribozymes. Chemical Communications, 2009, , 568-570.	4.1	37
66	A critical role for DAP10 and DAP12 in CD8+ T cellâ€"mediated tissue damage in large granular lymphocyte leukemia. Blood, 2009, 113, 3226-3234.	1.4	38
67	Evidence for a transposition event in a second NITR gene cluster in zebrafish. Immunogenetics, 2008, 60, 257-265.	2.4	26
68	Gene Silencing in Mammalian Cells with Lightâ€Activated Antisense Agents. ChemBioChem, 2008, 9, 2937-2940.	2.6	89
69	The medaka novel immune-type receptor (NITR) gene clusters reveal an extraordinary degree of divergence in variable domains. BMC Evolutionary Biology, 2008, 8, 177.	3.2	28
70	Sparc (Osteonectin) functions in morphogenesis of the pharyngeal skeleton and inner ear. Matrix Biology, 2008, 27, 561-572.	3.6	57
71	Assessing Infection and Immunity in Zebrafish. Zebrafish, 2008, 5, 189-191.	1.1	1
72	Clinical improvement by farnesyltransferase inhibition in NK large granular lymphocyte leukemia associated with imbalanced NK receptor signaling. Blood, 2008, 112, 4694-4698.	1.4	49

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73	Structural characteristics of zebrafish orthologs of adaptor molecules that associate with transmembrane immune receptors. Gene, 2007, 401, 154-164.	2.2	41
74	The zebrafish activating immune receptor Nitr9 signals via Dap12. Immunogenetics, 2007, 59, 813-821.	2.4	43
75	Immunoglobulin variable regions in molecules exhibiting characteristics of innate and adaptive immune receptors. Immunologic Research, 2007, 38, 294-304.	2.9	4
76	Methylation of tRNA ^{Asp} by the DNA Methyltransferase Homolog Dnmt2. Science, 2006, 311, 395-398.	12.6	967
77	Conditional Transgene and Gene Targeting Methodologies in Zebrafish. Zebrafish, 2006, 3, 415-429.	1.1	24
78	Immune-related, lectin-like receptors are differentially expressed in the myeloid and lymphoid lineages of zebrafish. Immunogenetics, 2006, 58, 31-40.	2.4	34
79	Role for retinoid signaling in leftâ€“right asymmetric digestive organ morphogenesis. Developmental Dynamics, 2006, 235, 2266-2275.	1.8	23
80	Resolution of the novel immune-type receptor gene cluster in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15706-15711.	7.1	94
81	Investigating the morphology, function and genetics of cytotoxic cells in bony fish. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2004, 138, 271-280.	2.6	43
82	On the origins of adaptive immunity: innate immune receptors join the tale. Trends in Immunology, 2004, 25, 11-16.	6.8	90
83	The Zebrafish as a Model Organism to Study Development of the Immune System. Advances in Immunology, 2003, , 254-330.	2.2	104
84	Novel Immune-type Receptor Genes and the Origins of Adaptive and Innate Immune Recognition. Integrative and Comparative Biology, 2003, 43, 331-337.	2.0	11
85	The zebrafish as a model organism to study development of the immune system. Advances in Immunology, 2003, 81, 253-330.	2.2	135
86	BIVM, a Novel Gene Widely Distributed among Deuterostomes, Shares a Core Sequence with an Unusual Gene in Giardia lamblia. Genomics, 2002, 79, 750-755.	2.9	10
87	Cloning novel immune-type inhibitory receptors from the rainbow trout, Oncorhynchus mykiss. Immunogenetics, 2002, 54, 662-670.	2.4	41
88	Zebrafish as an immunological model system. Microbes and Infection, 2002, 4, 1469-1478.	1.9	103
89	Novel immune-type receptor genes. Immunological Reviews, 2001, 181, 250-259.	6.0	81
90	Cloning and sequence analysis of a zebrafish cDNA encoding DNA (cytosine-5)-methyltransferase-1. Genesis, 2001, 30, 213-219.	1.6	14

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91	Extraordinary variation in a diversified family of immune-type receptor genes. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 13832-13837.	7.1	76
92	Immune-type receptor genes in zebrafish share genetic and functional properties with genes encoded by the mammalian leukocyte receptor cluster. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6771-6776.	7.1	107
93	Structure of human DNMT2, an enigmatic DNA methyltransferase homolog that displays denaturant-resistant binding to DNA. Nucleic Acids Research, 2001, 29, 439-448.	14.5	203
94	The zebrafish fth1, slc3a2, men1, pc, fgf3 and cycd1 genes define two regions of conserved synteny between linkage group 7 and human chromosome 11q13. Gene, 2000, 261, 235-242.	2.2	15
95	Immune-Type Diversity in the Absence of Somatic Rearrangement. Current Topics in Microbiology and Immunology, 2000, 248, 271-282.	1.1	26
96	Expanding our understanding of immunoglobulin, T-cell antigen receptor, and novel immune-type receptor genes: a subset of the immunoglobulin gene superfamily. Immunogenetics, 1999, 50, 124-133.	2.4	23
97	Cloning of two zebrafish cDNAs that share domains with the MHC class II-associated invariant chain. Immunogenetics, 1999, 50, 84-88.	2.4	32
98	A candidate mammalian DNA methyltransferase related to pmt1p of fission yeast. Human Molecular Genetics, 1998, 7, 279-284.	2.9	241
99	DNA (cytosine-5)-methyltransferases in mouse cells and tissues. studies with a mechanism-based probe. Journal of Molecular Biology, 1997, 270, 385-395.	4.2	321
100	Cytosine methylation and the ecology of intragenomic parasites. Trends in Genetics, 1997, 13, 335-340.	6.7	1,748
101	New 5â€² Regions of the Murine and Human Genes for DNA (Cytosine-5)-methyltransferase. Journal of Biological Chemistry, 1996, 271, 31092-31097.	3.4	81
102	Cross-linking a maturation-dependent ram sperm plasma membrane antigen induces the acrosome reaction. Molecular Reproduction and Development, 1991, 29, 200-207.	2.0	22