

Michael F Criscitiello

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,188
citations

201674

27
h-index

233421

45
g-index

61
all docs

61
docs citations

61
times ranked

2716
citing authors

#	ARTICLE	IF	CITATIONS
1	Reshaping Antibody Diversity. <i>Cell</i> , 2013, 153, 1379-1393.	28.9	179
2	Fish Immunoglobulins. <i>Biology</i> , 2016, 5, 45.	2.8	163
3	Rapid elicitation of broadly neutralizing antibodies to HIV by immunization in cows. <i>Nature</i> , 2017, 548, 108-111.	27.8	154
4	Four primordial immunoglobulin light chain isotypes, including α_1 and β_1 , identified in the most primitive living jawed vertebrates. <i>European Journal of Immunology</i> , 2007, 37, 2683-2694.	2.9	106
5	An evolutionarily mobile antigen receptor variable region gene: Doubly rearranging NAR-TcR genes in sharks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5036-5041.	7.1	90
6	Novel transcriptome assembly and improved annotation of the whiteleg shrimp (<i>Litopenaeus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	3.3	89
7	Evolutionarily Conserved TCR Binding Sites, Identification of T Cells in Primary Lymphoid Tissues, and Surprising Trans-Rearrangements in Nurse Shark. <i>Journal of Immunology</i> , 2010, 184, 6950-6960.	0.8	77
8	Evolution of the B7 family: co-evolution of B7H6 and NKp30, identification of a new B7 family member, B7H7, and of B7's historical relationship with the MHC. <i>Immunogenetics</i> , 2012, 64, 571-590.	2.4	73
9	Proteasome, Transporter Associated with Antigen Processing, and Class I Genes in the Nurse Shark <i>Ginglymostoma cirratum</i> : Evidence for a Stable Class I Region and MHC Haplotype Lineages. <i>Journal of Immunology</i> , 2002, 168, 771-781.	0.8	71
10	Structural and genetic diversity in antibody repertoires from diverse species. <i>Current Opinion in Structural Biology</i> , 2015, 33, 27-41.	5.7	67
11	One Health: Addressing Global Challenges at the Nexus of Human, Animal, and Environmental Health. <i>PLoS Pathogens</i> , 2016, 12, e1005731.	4.7	62
12	miR-150 regulates obesity-associated insulin resistance by controlling B cell functions. <i>Scientific Reports</i> , 2016, 6, 20176.	3.3	61
13	Quantum dots trigger immunomodulation of the NF κ B pathway in human skin cells. <i>Molecular Immunology</i> , 2011, 48, 1349-1359.	2.2	57
14	Fifty Shades of Immune Defense. <i>PLoS Pathogens</i> , 2013, 9, e1003110.	4.7	55
15	Diverse Immunoglobulin Light Chain Organizations in Fish Retain Potential to Revise B Cell Receptor Specificities. <i>Journal of Immunology</i> , 2006, 177, 2452-2462.	0.8	52
16	Evolutionarily conserved and divergent regions of the Autoimmune Regulator (Aire) gene: a comparative analysis. <i>Immunogenetics</i> , 2008, 60, 105-114.	2.4	52
17	The dynamic TCR β : TCR β chains in the amphibian <i>Xenopus tropicalis</i> utilize antibody-like V genes. <i>European Journal of Immunology</i> , 2010, 40, 2319-2329.	2.9	50
18	Synergies between vaccination and dietary arginine and glutamine supplementation improve the immune response of channel catfish against <i>Edwardsiella ictaluri</i> . <i>Fish and Shellfish Immunology</i> , 2012, 33, 543-551.	3.6	45

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19	Immunogenetic factors driving formation of ultralong VH CDR3 in <i>Bos taurus</i> antibodies. <i>Cellular and Molecular Immunology</i> , 2019, 16, 53-64.	10.5	45
20	The Unusual Genetics and Biochemistry of Bovine Immunoglobulins. <i>Advances in Immunology</i> , 2018, 137, 135-164.	2.2	36
21	Shark class II invariant chain reveals ancient conserved relationships with cathepsins and MHC class II. <i>Developmental and Comparative Immunology</i> , 2012, 36, 521-533.	2.3	34
22	I α 2 -microglobulin of Ictalurid catfishes. <i>Immunogenetics</i> , 1998, 48, 339-343.	2.4	33
23	Genomic organization of the zebrafish (<i>Danio rerio</i>) T cell receptor alpha/delta locus and analysis of expressed products. <i>Immunogenetics</i> , 2016, 68, 365-379.	2.4	33
24	The Florida manatee (<i>Trichechus manatus latirostris</i>) T cell receptor loci exhibit V subgroup synteny and chain-specific evolution. <i>Developmental and Comparative Immunology</i> , 2018, 85, 71-85.	2.3	33
25	Somatic hypermutation of T cell receptor I α chain contributes to selection in nurse shark thymus. <i>ELife</i> , 2018, 7, .	6.0	33
26	Expressed IgH I α 4 and I β , transcripts share diversity segment in ranched <i>Thunnus orientalis</i> . <i>Developmental and Comparative Immunology</i> , 2014, 43, 76-86.	2.3	30
27	Allelic polymorphism of TCR I α chain constant domain genes in the bicolor damselfish. <i>Developmental and Comparative Immunology</i> , 2004, 28, 781-792.	2.3	29
28	Tripping on Acid: Trans-Kingdom Perspectives on Biological Acids in Immunity and Pathogenesis. <i>PLoS Pathogens</i> , 2013, 9, e1003402.	4.7	28
29	“Double-duty”-conventional dendritic cells in the amphibian <i>Xenopus</i> as the prototype for antigen presentation to B cells. <i>European Journal of Immunology</i> , 2018, 48, 430-440.	2.9	27
30	What the shark immune system can and cannot provide for the expanding design landscape of immunotherapy. <i>Expert Opinion on Drug Discovery</i> , 2014, 9, 725-739.	5.0	25
31	Deiminated proteins in extracellular vesicles and plasma of nurse shark (<i>Ginglymostoma cirratum</i>) - Novel insights into shark immunity. <i>Fish and Shellfish Immunology</i> , 2019, 92, 249-255.	3.6	25
32	Deiminated proteins in extracellular vesicles and serum of llama (<i>Lama glama</i>)—Novel insights into camelid immunity. <i>Molecular Immunology</i> , 2020, 117, 37-53.	2.2	22
33	Allelic polymorphism of T-cell receptor constant domains is widespread in fishes. <i>Immunogenetics</i> , 2004, 55, 818-824.	2.4	21
34	Emergence of the acute-phase protein hemopexin in jawed vertebrates. <i>Molecular Immunology</i> , 2010, 48, 147-152.	2.2	21
35	The Florida manatee (<i>Trichechus manatus latirostris</i>) immunoglobulin heavy chain suggests the importance of clan III variable segments in repertoire diversity. <i>Developmental and Comparative Immunology</i> , 2017, 72, 57-68.	2.3	21
36	Haptoglobin Is a Divergent MASP Family Member That Neofunctionalized To Recycle Hemoglobin via CD163 in Mammals. <i>Journal of Immunology</i> , 2018, 201, 2483-2491.	0.8	20

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37	Distinct immunomodulatory effects of a panel of nanomaterials in human dermal fibroblasts. <i>Toxicology Letters</i> , 2012, 210, 293-301.	0.8	19
38	A Broad Role for Cysteines in Bovine Antibody Diversity. <i>ImmunoHorizons</i> , 2019, 3, 478-487.	1.8	19
39	Post-Translational Protein Deimination Signatures in Serum and Serum-Extracellular Vesicles of <i>Bos taurus</i> Reveal Immune, Anti-Pathogenic, Anti-Viral, Metabolic and Cancer-Related Pathways for Deimination. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2861.	4.1	17
40	Deimination Protein Profiles in Alligator <i>mississippiensis</i> Reveal Plasma and Extracellular Vesicle-Specific Signatures Relating to Immunity, Metabolic Function, and Gene Regulation. <i>Frontiers in Immunology</i> , 2020, 11, 651.	4.8	16
41	Comparative study of cartilaginous fish divulges insights into the early evolution of primary, secondary and mucosal lymphoid tissue architecture. <i>Fish and Shellfish Immunology</i> , 2020, 107, 435-443.	3.6	14
42	DNP-KLH Yields Changes in Leukocyte Populations and Immunoglobulin Isotype Use with Different Immunization Routes in Zebrafish. <i>Frontiers in Immunology</i> , 2015, 6, 606.	4.8	11
43	Interferon epsilon in the reproductive tract of healthy and genital herpes simplex virus-infected pregnant women: Results of a pilot study. <i>American Journal of Reproductive Immunology</i> , 2018, 80, e12995.	1.2	11
44	Lost structural and functional inter-relationships between Ig and TCR loci in mammals revealed in sharks. <i>Immunogenetics</i> , 2021, 73, 17-33.	2.4	10
45	From IgZ to IgT: A Call for a Common Nomenclature for Immunoglobulin Heavy Chain Genes of Ray-Finned Fish. <i>Zebrafish</i> , 2021, 18, 343-345.	1.1	9
46	Ancient Use of Ig Variable Domains Contributes Significantly to the TCR γ Repertoire. <i>Journal of Immunology</i> , 2019, 203, 1265-1275.	0.8	8
47	Nurse shark T α cell receptors employ somatic hypermutation preferentially to alter alpha/delta variable segments associated with alpha constant region. <i>European Journal of Immunology</i> , 2020, 50, 1307-1320.	2.9	8
48	Engineered Nanoparticles Induce DNA Damage in Primary Human Skin Cells, Even at Low Doses. <i>Nano LIFE</i> , 2014, 04, 1440001.	0.9	7
49	Analysis of shark NCR3 family genes reveals primordial features of vertebrate NKp30. <i>Immunogenetics</i> , 2021, 73, 333-348.	2.4	5
50	Molecular characterization and expression analysis of the chicken-type and goose-type lysozymes from totoaba (<i>Totoaba macdonaldi</i>). <i>Developmental and Comparative Immunology</i> , 2020, 113, 103807.	2.3	4
51	Unusual T cell receptor in opossum. <i>Science</i> , 2021, 371, 1308-1309.	12.6	3
52	Interferon epsilon and preterm birth subtypes; a new piece of the type I interferon puzzle during pregnancy?. <i>American Journal of Reproductive Immunology</i> , 2022, 87, .	1.2	3
53	Larval Thymectomy of <i>Xenopus laevis</i> . <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.prot099192.	0.3	2
54	Novel insights on aquatic mammal MHC evolution: Evidence from manatee DQB diversity. <i>Developmental and Comparative Immunology</i> , 2022, 132, 104398.	2.3	1

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55	Conference report: The 14th congress of the International Society of Developmental and Comparative Immunology. <i>Developmental and Comparative Immunology</i> , 2019, 96, 83-92.	2.3	0
56	Using PacBio SMRT data for identification of class I MHC alleles in a wildlife species, <i>Zalophus californianus</i> (California sea lion). <i>Infection, Genetics and Evolution</i> , 2021, 88, 104700.	2.3	0
57	TLR4 and TLR8 variability in Amazonian and West Indian manatee species from Brazil. <i>Genetics and Molecular Biology</i> , 2021, 44, e20190252.	1.3	0