

Thomas Boehm

List of Publications by Year in descending order

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64
papers

5,598
citations

136950

32
h-index

114465

63
g-index

64
all docs

64
docs citations

64
times ranked

5780
citing authors

#	ARTICLE	IF	CITATIONS
1	Elephant shark genome provides unique insights into gnathostome evolution. <i>Nature</i> , 2014, 505, 174-179.	27.8	689
2	New member of the winged-helix protein family disrupted in mouse and rat nude mutations. <i>Nature</i> , 1994, 372, 103-107.	27.8	629
3	MHC Class I Peptides as Chemosensory Signals in the Vomeronasal Organ. <i>Science</i> , 2004, 306, 1033-1037.	12.6	546
4	Formation of a functional thymus initiated by a postnatal epithelial progenitor cell. <i>Nature</i> , 2006, 441, 992-996.	27.8	334
5	Mate choice decisions of stickleback females predictably modified by MHC peptide ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4414-4418.	7.1	324
6	Evolutionary implications of a third lymphocyte lineage in lampreys. <i>Nature</i> , 2013, 501, 435-438.	27.8	180
7	A thymus candidate in lampreys. <i>Nature</i> , 2011, 470, 90-94.	27.8	175
8	Evolution of Genetic Networks Underlying the Emergence of Thymopoiesis in Vertebrates. <i>Cell</i> , 2009, 138, 186-197.	28.9	168
9	BMP Signaling Is Required for Normal Thymus Development. <i>Journal of Immunology</i> , 2005, 175, 5213-5221.	0.8	156
10	Evidence for a Functional Second Thymus in Mice. <i>Science</i> , 2006, 312, 284-287.	12.6	142
11	Design principles of adaptive immune systems. <i>Nature Reviews Immunology</i> , 2011, 11, 307-317.	22.7	120
12	Essential role of <i>c-myb</i> in definitive hematopoiesis is evolutionarily conserved. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17304-17308.	7.1	119
13	Conserved Functions of Ikaros in Vertebrate Lymphocyte Development: Genetic Evidence for Distinct Larval and Adult Phases of T Cell Development and Two Lineages of B Cells in Zebrafish. <i>Journal of Immunology</i> , 2006, 177, 2463-2476.	0.8	115
14	Evolution of Vertebrate Immunity. <i>Current Biology</i> , 2012, 22, R722-R732.	3.9	115
15	Thymopoiesis in mice depends on a <i>Foxn1</i> -positive thymic epithelial cell lineage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16613-16618.	7.1	110
16	Synergistic, Context-Dependent, and Hierarchical Functions of Epithelial Components in Thymic Microenvironments. <i>Cell</i> , 2012, 149, 159-172.	28.9	110
17	Thymus involution and regeneration: two sides of the same coin?. <i>Nature Reviews Immunology</i> , 2013, 13, 831-838.	22.7	101
18	Quality Control in Self/Nonself Discrimination. <i>Cell</i> , 2006, 125, 845-858.	28.9	97

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19	Evolution of lymphoid tissues. <i>Trends in Immunology</i> , 2012, 33, 315-321.	6.8	97
20	Origin and Evolution of Adaptive Immunity. <i>Annual Review of Animal Biosciences</i> , 2014, 2, 259-283.	7.4	97
21	Evolution of Alternative Adaptive Immune Systems in Vertebrates. <i>Annual Review of Immunology</i> , 2018, 36, 19-42.	21.8	92
22	Intravital Imaging of Thymopoiesis Reveals Dynamic Lympho-Epithelial Interactions. <i>Immunity</i> , 2012, 36, 298-309.	14.8	79
23	Whn and mHa3 are components of the genetic hierarchy controlling hair follicle differentiation. <i>Mechanisms of Development</i> , 1999, 89, 215-221.	1.7	76
24	Evolution of the Immune System in the Lower Vertebrates. <i>Annual Review of Genomics and Human Genetics</i> , 2012, 13, 127-149.	6.2	72
25	Genetic dissection of thymus development in mouse and zebrafish. <i>Immunological Reviews</i> , 2003, 195, 15-27.	6.0	69
26	Diversification of AID/APOBEC-like deaminases in metazoa: multiplicity of clades and widespread roles in immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3201-E3210.	7.1	56
27	Maintenance of Thymic Epithelial Phenotype Requires Extrinsic Signals in Mouse and Zebrafish. <i>Journal of Immunology</i> , 2008, 181, 5272-5277.	0.8	51
28	Genetic Evidence for an Evolutionarily Conserved Role of IL-7 Signaling in T Cell Development of Zebrafish. <i>Journal of Immunology</i> , 2011, 186, 7060-7066.	0.8	49
29	Organization of lamprey variable lymphocyte receptor C locus and repertoire development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6043-6048.	7.1	49
30	The immunogenetics of sexual parasitism. <i>Science</i> , 2020, 369, 1608-1615.	12.6	46
31	A zebrafish orthologue (whnb) of the mouse nude gene is expressed in the epithelial compartment of the embryonic thymic rudiment. <i>Mechanisms of Development</i> , 2002, 118, 179-185.	1.7	43
32	Zebrafish model for allogeneic hematopoietic cell transplantation not requiring preconditioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4327-4332.	7.1	34
33	Conversion of the Thymus into a Bipotent Lymphoid Organ by Replacement of Foxn1 with Its Paralog, Foxn4. <i>Cell Reports</i> , 2014, 8, 1184-1197.	6.4	33
34	Developmental dynamics of two bipotent thymic epithelial progenitor types. <i>Nature</i> , 2022, 606, 165-171.	27.8	32
35	Selection of the lamprey VLRC antigen receptor repertoire. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14834-14839.	7.1	30
36	Elevated levels of Wnt signaling disrupt thymus morphogenesis and function. <i>Scientific Reports</i> , 2017, 7, 785.	3.3	27

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37	Self-renewal of thymocytes in the absence of competitive precursor replenishment. <i>Journal of Experimental Medicine</i> , 2012, 209, 1397-1400.	8.5	24
38	Forward Genetic Screens in Zebrafish Identify Pre-mRNA-Processing Pathways Regulating Early T Cell Development. <i>Cell Reports</i> , 2016, 17, 2259-2270.	6.4	24
39	Expansions, diversification, and interindividual copy number variations of AID/APOBEC family cytidine deaminase genes in lampreys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3211-E3220.	7.1	23
40	Mate choice in sticklebacks reveals that immunogenes can drive ecological speciation. <i>Behavioral Ecology</i> , 2017, 28, 953-961.	2.2	21
41	Fundamental parameters of the developing thymic epithelium in the mouse. <i>Scientific Reports</i> , 2018, 8, 11095.	3.3	20
42	Cytidine deaminase 2 is required for <i>VLRB</i> antibody gene assembly in lampreys. <i>Science Immunology</i> , 2020, 5, .	11.9	19
43	Developing T lymphocytes are uniquely sensitive to a lack of topoisomerase III alpha. <i>European Journal of Immunology</i> , 2010, 40, 2379-2384.	2.9	18
44	Genomic donor cassette sharing during <i>VLRA</i> and <i>VLRC</i> assembly in jawless vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14828-14833.	7.1	18
45	Cooperative interaction of BMP signalling and <i>Foxn1</i> gene dosage determines the size of the functionally active thymic epithelial compartment. <i>Scientific Reports</i> , 2017, 7, 8492.	3.3	17
46	A yeast artificial chromosome contig on mouse chromosome 11 encompassing the <i>nu</i> locus. <i>European Journal of Immunology</i> , 1994, 24, 1721-1723.	2.9	15
47	Genetic and non-genetic determinants of thymic epithelial cell number and function. <i>Scientific Reports</i> , 2017, 7, 10314.	3.3	15
48	Transgenerational inheritance of impaired larval T cell development in zebrafish. <i>Nature Communications</i> , 2020, 11, 4505.	12.8	15
49	Lymphocyte-Specific Function of the DNA Polymerase Epsilon Subunit Pole3 Revealed by Neomorphic Alleles. <i>Cell Reports</i> , 2020, 31, 107756.	6.4	12
50	A missense mutation in <i>zbtb17</i> blocks the earliest steps of T cell differentiation in zebrafish. <i>Scientific Reports</i> , 2017, 7, 44145.	3.3	10
51	Retracing the evolutionary emergence of thymopoiesis. <i>Science Advances</i> , 2020, 6, .	10.3	10
52	Co-evolution of mutagenic genome editors and vertebrate adaptive immunity. <i>Current Opinion in Immunology</i> , 2020, 65, 32-41.	5.5	9
53	Pervasive changes of mRNA splicing in <i>upf1</i> -deficient zebrafish identify <i>rpl10a</i> as a regulator of T cell development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15799-15808.	7.1	9
54	Evolutionary transition from degenerate to nonredundant cytokine signaling networks supporting intrathymic T cell development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26759-26767.	7.1	8

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55	Antigen receptor repertoires of one of the smallest known vertebrates. <i>Science Advances</i> , 2021, 7, .	10.3	8
56	Evolution of thymopoietic microenvironments. <i>Open Biology</i> , 2021, 11, 200383.	3.6	8
57	Stable multilineage xenogeneic replacement of definitive hematopoiesis in adult zebrafish. <i>Scientific Reports</i> , 2016, 6, 19634.	3.3	7
58	Epigenetic Protection of Vertebrate Lymphoid Progenitor Cells by Dnmt1. <i>IScience</i> , 2020, 23, 101260.	4.1	7
59	Genetic landscape of T cells identifies synthetic lethality for T-ALL. <i>Communications Biology</i> , 2021, 4, 1201.	4.4	6
60	Autoimmunity associated with chemically induced thymic dysplasia. <i>International Immunology</i> , 2017, 29, 385-390.	4.0	4
61	Same Function, Different Origins: Multipotent Stromal Precursors in Lymphoid Tissues. <i>Cell Stem Cell</i> , 2013, 12, 501-503.	11.1	3
62	Form follows function, function follows form: how lymphoid tissues enable and constrain immune reactions. <i>Immunological Reviews</i> , 2016, 271, 4-9.	6.0	3
63	Immunological tolerance to LCMV antigens differently affects control of acute and chronic virus infection in mice. <i>European Journal of Immunology</i> , 2018, 48, 120-127.	2.9	2
64	Caught in the Act: Reprogramming of Adipocytes into Lymph-Node Stroma. <i>Immunity</i> , 2012, 37, 596-598.	14.3	1