Thomas Boehm

List of Publications by Year
in descending order

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	Developmental dynamics of two bipotent thymic epithelial progenitor types. Nature, 2022, 606, 165-171.	27.8	32
2	Antigen receptor repertoires of one of the smallest known vertebrates. Science Advances, 2021, 7, .	10.3	8
3	Evolution of thymopoietic microenvironments. Open Biology, 2021, 11, 200383.	3.6	8
4	Genetic landscape of T cells identifies synthetic lethality for T-ALL. Communications Biology, 2021, 4, 1201.	4.4	6
5	Epigenetic Protection of Vertebrate Lymphoid Progenitor Cells by Dnmt1. IScience, 2020, 23, 101260.	4.1	7
6	Retracing the evolutionary emergence of thymopoiesis. Science Advances, 2020, 6, .	10.3	10
7	The immunogenetics of sexual parasitism. Science, 2020, 369, 1608-1615.	12.6	46
8	Lymphocyte-Specific Function of the DNA Polymerase Epsilon Subunit Pole3 Revealed by Neomorphic Alleles. Cell Reports, 2020, 31, 107756.	6.4	12
9	Transgenerational inheritance of impaired larval T cell development in zebrafish. Nature Communications, 2020, 11, 4505.	12.8	15
10	Co-evolution of mutagenic genome editors and vertebrate adaptive immunity. Current Opinion in Immunology, 2020, 65, 32-41.	5.5	9
11	Pervasive changes of mRNA splicing in <i>upf1</i> -deficient zebrafish identify <i>rpl10a</i> as a regulator of T cell development. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15799-15808.	7.1	9
12	Cytidine deaminase 2 is required for <i>VLRB</i> antibody gene assembly in lampreys. Science Immunology, 2020, 5, .	11.9	19
13	Evolutionary transition from degenerate to nonredundant cytokine signaling networks supporting intrathymic T cell development. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26759-26767.	7.1	8
14	Expansions, diversification, and interindividual copy number variations of AID/APOBEC family cytidine deaminase genes in lampreys. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3211-E3220.	7.1	23
15	Diversification of AID/APOBEC-like deaminases in metazoa: multiplicity of clades and widespread roles in immunity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3201-E3210.	7.1	56
16	Immunological tolerance to LCMV antigens differently affects control of acute and chronic virus infection in mice. European Journal of Immunology, 2018, 48, 120-127.	2.9	2
17	Evolution of Alternative Adaptive Immune Systems in Vertebrates. Annual Review of Immunology, 2018, 36, 19-42.	21.8	92
18	Fundamental parameters of the developing thymic epithelium in the mouse. Scientific Reports, 2018, 8, 11095.	3.3	20

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19	A missense mutation in zbtb17 blocks the earliest steps of T cell differentiation in zebrafish. Scientific Reports, 2017, 7, 44145.	3.3	10
20	Elevated levels of Wnt signaling disrupt thymus morphogenesis and function. Scientific Reports, 2017, 7, 785.	3.3	27
21	Mate choice in sticklebacks reveals that immunogenes can drive ecological speciation. Behavioral Ecology, 2017, 28, 953-961.	2.2	21
22	Cooperative interaction of BMP signalling and Foxn1 gene dosage determines the size of the functionally active thymic epithelial compartment. Scientific Reports, 2017, 7, 8492.	3.3	17
23	Genetic and non-genetic determinants of thymic epithelial cell number and function. Scientific Reports, 2017, 7, 10314.	3.3	15
24	Autoimmunity associated with chemically induced thymic dysplasia. International Immunology, 2017, 29, 385-390.	4.0	4
25	Stable multilineage xenogeneic replacement of definitive hematopoiesis in adult zebrafish. Scientific Reports, 2016, 6, 19634.	3.3	7
26	Form follows function, function follows form: how lymphoid tissues enable and constrain immune reactions. Immunological Reviews, 2016, 271, 4-9.	6.0	3
27	Forward Genetic Screens in Zebrafish Identify Pre-mRNA-Processing Pathways Regulating Early T Cell Development. Cell Reports, 2016, 17, 2259-2270.	6.4	24
28	Elephant shark genome provides unique insights into gnathostome evolution. Nature, 2014, 505, 174-179.	27.8	689
29	Selection of the lamprey VLRC antigen receptor repertoire. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14834-14839.	7.1	30
30	Genomic donor cassette sharing during<i>VLRA</i>and<i>VLRC</i>assembly in jawless vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14828-14833.	7.1	18
31	Origin and Evolution of Adaptive Immunity. Annual Review of Animal Biosciences, 2014, 2, 259-283.	7.4	97
32	Conversion of the Thymus into a Bipotent Lymphoid Organ by Replacement of Foxn1 with Its Paralog, Foxn4. Cell Reports, 2014, 8, 1184-1197.	6.4	33
33	Evolutionary implications of a third lymphocyte lineage in lampreys. Nature, 2013, 501, 435-438.	27.8	180
34	Zebrafish model for allogeneic hematopoietic cell transplantation not requiring preconditioning. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4327-4332.	7.1	34
35	Thymus involution and regeneration: two sides of the same coin?. Nature Reviews Immunology, 2013, 13, 831-838.	22.7	101
36	Same Function, Different Origins: Multipotent Stromal Precursors in Lymphoid Tissues. Cell Stem Cell, 2013, 12, 501-503.	11.1	3

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37	Organization of lamprey<i>variable lymphocyte receptor C</i>locus and repertoire development. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6043-6048.	7.1	49
38	Evolution of Vertebrate Immunity. Current Biology, 2012, 22, R722-R732.	3.9	115
39	Caught in the Act: Reprogramming of Adipocytes into Lymph-Node Stroma. Immunity, 2012, 37, 596-598.	14.3	1
40	Intravital Imaging of Thymopoiesis Reveals Dynamic Lympho-Epithelial Interactions. Immunity, 2012, 36, 298-309.	14.3	79
41	Evolution of lymphoid tissues. Trends in Immunology, 2012, 33, 315-321.	6.8	97
42	Synergistic, Context-Dependent, and Hierarchical Functions of Epithelial Components in Thymic Microenvironments. Cell, 2012, 149, 159-172.	28.9	110
43	Self-renewal of thymocytes in the absence of competitive precursor replenishment. Journal of Experimental Medicine, 2012, 209, 1397-1400.	8.5	24
44	Evolution of the Immune System in the Lower Vertebrates. Annual Review of Genomics and Human Genetics, 2012, 13, 127-149.	6.2	72
45	Design principles of adaptive immune systems. Nature Reviews Immunology, 2011, 11, 307-317.	22.7	120
46	A thymus candidate in lampreys. Nature, 2011, 470, 90-94.	27.8	175
47	Genetic Evidence for an Evolutionarily Conserved Role of IL-7 Signaling in T Cell Development of Zebrafish. Journal of Immunology, 2011, 186, 7060-7066.	0.8	49
48	Developing T lymphocytes are uniquely sensitive to a lack of topoisomerase III alpha. European Journal of Immunology, 2010, 40, 2379-2384.	2.9	18
49	Essential role of <i>c-myb</i> in definitive hematopoiesis is evolutionarily conserved. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17304-17308.	7.1	119
50	Thymopoiesis in mice depends on a <i>Foxn1</i> -positive thymic epithelial cell lineage. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16613-16618.	7.1	110
51	Evolution of Genetic Networks Underlying the Emergence of Thymopoiesis in Vertebrates. Cell, 2009, 138, 186-197.	28.9	168
52	Maintenance of Thymic Epithelial Phenotype Requires Extrinsic Signals in Mouse and Zebrafish. Journal of Immunology, 2008, 181, 5272-5277.	0.8	51
53	Formation of a functional thymus initiated by a postnatal epithelial progenitor cell. Nature, 2006, 441, 992-996.	27.8	334
54	Evidence for a Functional Second Thymus in Mice. Science, 2006, 312, 284-287.	12.6	142

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55	Quality Control in Self/Nonself Discrimination. Cell, 2006, 125, 845-858.	28.9	97
56	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. Journal of Immunology, 2006, 177, 2463-2476.	0.8	115
57	Mate choice decisions of stickleback females predictably modified by MHC peptide ligands. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4414-4418.	7.1	324
58	BMP Signaling Is Required for Normal Thymus Development. Journal of Immunology, 2005, 175, 5213-5221.	0.8	156
59	MHC Class I Peptides as Chemosensory Signals in the Vomeronasal Organ. Science, 2004, 306, 1033-1037.	12.6	546
60	Genetic dissection of thymus development in mouse and zebrafish. Immunological Reviews, 2003, 195, 15-27.	6.0	69
61	A zebrafish orthologue (whnb) of the mouse nude gene is expressed in the epithelial compartment of the embryonic thymic rudiment. Mechanisms of Development, 2002, 118, 179-185.	1.7	43
62	Whn and mHa3 are components of the genetic hierarchy controlling hair follicle differentiation. Mechanisms of Development, 1999, 89, 215-221.	1.7	76
63	A yeast artificial chromosome contig on mouse chromosome 11 encompassing the nu locus. European Journal of Immunology, 1994, 24, 1721-1723.	2.9	15
64	New member of the winged-helix protein family disrupted in mouse and rat nude mutations. Nature, 1994, 372, 103-107.	27.8	629