Hans-Reimer Rodewald

List of Publications by Year
in descending order

74 papers	8,863 citations	50276 46 h-index	82547 72 g-index
90 all docs	90 docs citations	90 times ranked	13567 citing authors

#	Article	IF	Citations
1	Mast cells partly contribute to allergic enteritis development: Findings in two different mast cellâ€deficient mice. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1051-1054.	5.7	1
2	Eosinophils are an essential element of a type 2 immune axis that controls thymus regeneration. Science Immunology, 2022, 7, eabn3286.	11.9	15
3	TowardÂthe dissection of hematopoietic stem cell fates and their determinants. Current Opinion in Genetics and Development, 2022, 75, 101945.	3.3	1
4	Local immune response to food antigens drives meal-induced abdominal pain. Nature, 2021, 590, 151-156.	27.8	153
5	Comparative analysis of the role of mast cells in murine asthma models using Kitâ€sufficient mast cellâ€deficient animals. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2030-2043.	5.7	0
6	Mast cellâ€derived serotonin enhances methacholineâ€induced airway hyperresponsiveness in house dust miteâ€induced experimental asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2057-2069.	5.7	27
7	Runner's niche: multipurpose stromal cells maintained by exercise. Trends in Immunology, 2021, 42, 841-843.	6.8	1
8	Do haematopoietic stem cells age?. Nature Reviews Immunology, 2020, 20, 196-202.	22.7	50
9	Resolving Fates and Single-Cell Transcriptomes of Hematopoietic Stem Cell Clones by PolyloxExpress Barcoding. Cell Stem Cell, 2020, 27, 383-395.e8.	11.1	88
10	ILC2-driven innate immune checkpoint mechanism antagonizes NK cell antimetastatic function in the lung. Nature Immunology, 2020, 21, 998-1009.	14.5	112
11	Duodenal acidification induces gastric relaxation and alters epithelial barrier function by a mast cell independent mechanism. Scientific Reports, 2020, 10, 17448.	3.3	6
12	Interleukin-33 Induces the Enzyme Tryptophan Hydroxylase 1 to Promote Inflammatory Group 2 Innate Lymphoid Cell-Mediated Immunity. Immunity, 2020, 52, 606-619.e6.	14.3	76
13	Targeted deletion of the TSLP receptor reveals cellular mechanisms that promote type 2 airway inflammation. Mucosal Immunology, 2020, 13, 626-636.	6.0	52
14	Human Mast Cell Proteome Reveals Unique Lineage, Putative Functions, and Structural Basis for Cell Ablation. Immunity, 2020, 52, 404-416.e5.	14.3	116
15	Using Cre-recombinase-driven Polylox barcoding for in vivo fate mapping in mice. Nature Protocols, 2019, 14, 1820-1840.	12.0	21
16	Î² ₂ -adrenergic receptorâ€“mediated negative regulation of group 2 innate lymphoid cell responses. Science, 2018, 359, 1056-1061.	12.6	262
17	Unimpaired Responses to Vaccination With Protein Antigen Plus Adjuvant in Mice With Kit-Independent Mast Cell Deficiency. Frontiers in Immunology, 2018, 9, 1870.	4.8	12
18	Differentiation-based model of hematopoietic stem cell functions and lineage pathways. Blood, 2018, 132, 1106-1113.	1.4	55

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19	Tissue-Restricted Adaptive Type 2 Immunity Is Orchestrated by Expression of the Costimulatory Molecule OX40L on Group 2 Innate Lymphoid Cells. Immunity, 2018, 48, 1195-1207.e6.	14.3	191
20	The E-Id Protein Axis Specifies Adaptive Lymphoid Cell Identity and Suppresses Thymic Innate Lymphoid Cell Development. Immunity, 2017, 46, 818-834.e4.	14.3	73
21	Type-2 innate lymphoid cells control the development of atherosclerosis in mice. Nature Communications, 2017, 8, 15781.	12.8	84
22	ILC2s regulate adaptive Th2 cell functions via PD-L1 checkpoint control. Journal of Experimental Medicine, 2017, 214, 2507-2521.	8.5	109
23	Polylox barcoding reveals haematopoietic stem cell fates realized in vivo. Nature, 2017, 548, 456-460.	27.8	312
24	Defective bone repair in mast cell-deficient Cpa3Cre/+ mice. PLoS ONE, 2017, 12, e0174396.	2.5	34
25	Unperturbed vs. post-transplantation hematopoiesis. Current Opinion in Hematology, 2016, 23, 295-303.	2.5	40
26	Hematopoietic Stem Cell Niches Produce Lineage-Instructive Signals to Control Multipotent Progenitor Differentiation. Immunity, 2016, 45, 1219-1231.	14.3	199
27	Arginase 1 is an innate lymphoid-cell-intrinsic metabolic checkpoint controlling type 2 inflammation. Nature Immunology, 2016, 17, 656-665.	14.5	215
28	Fate Mapping and Quantitation of Hematopoiesis In Vivo. Annual Review of Immunology, 2016, 34, 449-478.	21.8	57
29	Of Mouse Models of Mast Cell Deficiency and Metabolic Syndrome. Cell Metabolism, 2016, 24, 1-2.	16.2	59
30	Normal mast cell numbers in the tissues of AhRâ€deficient mice. Experimental Dermatology, 2016, 25, 62-63.	2.9	6
31	Output without input: the lifelong productivity of hematopoietic stem cells. Current Opinion in Cell Biology, 2016, 43, 69-77.	5.4	15
32	Single-Cell Gene Expression Analyses Reveal Heterogeneous Responsiveness of Fetal Innate Lymphoid Progenitors to Notch Signaling. Cell Reports, 2016, 14, 1500-1516.	6.4	75
33	Mast cells regulate myofilament calcium sensitization and heart function after myocardial infarction. Journal of Experimental Medicine, 2016, 213, 1353-1374.	8.5	97
34	Multilayered ancestry of arterial macrophages. Nature Immunology, 2016, 17, 117-118.	14.5	5
35	Mast cells have no impact on cutaneous leishmaniasis severity and related Th2 differentiation in resistant and susceptible mice. European Journal of Immunology, 2016, 46, 114-121.	2.9	24
36	The helminth T2 RNase Ï‰1 promotes metabolic homeostasis in an ILâ€33â€dependent mechanism. FASEB Journal, 2016, 30, 824-835.	0.5	70

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37	The chromatin remodeler Brg1 activates enhancer repertoires to establish B cell identity and modulate cell growth. Nature Immunology, 2015, 16, 775-784.	14.5	107
38	Fundamental properties of unperturbed haematopoiesis from stem cells in vivo. Nature, 2015, 518, 542-546.	27.8	607
39	Hematopoietic Kit Deficiency, rather than Lack of Mast Cells, Protects Mice from Obesity and Insulin Resistance. Cell Metabolism, 2015, 21, 678-691.	16.2	62
40	Bcl11b is essential for group 2 innate lymphoid cell development. Journal of Experimental Medicine, 2015, 212, 875-882.	8.5	126
41	The Orphan Receptor Tie1 Controls Angiogenesis and Vascular Remodeling by Differentially Regulating Tie2 in Tip and Stalk Cells. Cell Reports, 2015, 12, 1761-1773.	6.4	131
42	The Eâ€“Id protein axis modulates the activities of the PI3Kâ€“AKTâ€“mTORC1â€“Hif1a and c-myc/p19Arf pathways to suppress innate variant T_{FH} cell development, thymocyte expansion, and lymphomagenesis. Genes and Development, 2015, 29, 409-425.	5.9	43
43	Foxn1 Protein Expression in the Developing, Aging, and Regenerating Thymus. Journal of Immunology, 2015, 195, 5678-5687.	0.8	79
44	Tissue-resident macrophages originate from yolk-sac-derived erythro-myeloid progenitors. Nature, 2015, 518, 547-551.	27.8	1,724
45	Abstract 213: Myofilament Ca2+ Sensitization and Site-specific Phosphorylation of Contractile Proteins Following Myocardial Infarction: A Novel Role for Mast Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0
46	Mast Cells Play No Role in the Pathogenesis of Postoperative Ileus Induced by Intestinal Manipulation. PLoS ONE, 2014, 9, e85304.	2.5	28
47	Foxp3+ Regulatory T Cells Delay Expulsion of Intestinal Nematodes by Suppression of IL-9-Driven Mast Cell Activation in BALB/c but Not in C57BL/6 Mice. PLoS Pathogens, 2014, 10, e1003913.	4.7	47
48	Cell competition is a tumour suppressor mechanism in the thymus. Nature, 2014, 509, 465-470.	27.8	209
49	The Thymic Microenvironment Differentially Regulates Development and Trafficking of Invariant NKT Cell Sublineages. Journal of Immunology, 2014, 193, 5960-5972.	0.8	10
50	A next-generation dual-recombinase system for time- and host-specific targeting of pancreatic cancer. Nature Medicine, 2014, 20, 1340-1347.	30.7	188
51	Progressive replacement of embryo-derived cardiac macrophages with age. Journal of Experimental Medicine, 2014, 211, 2151-2158.	8.5	374
52	Type 1 Diabetes in NOD Mice Unaffected by Mast Cell Deficiency. Diabetes, 2014, 63, 3827-3834.	0.6	25
53	Mast Cellâ€“deficient KitW-sh â€œSashâ€•Mutant Mice Display Aberrant Myelopoiesis Leading to the Accumulation of Splenocytes That Act as Myeloid-Derived Suppressor Cells. Journal of Immunology, 2013, 190, 5534-5544.	0.8	36
54	Mast Cells Are Dispensable for Normal and Activin-Promoted Wound Healing and Skin Carcinogenesis. Journal of Immunology, 2013, 191, 6147-6155.	0.8	73

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55	Thymus-autonomous T cell development in the absence of progenitor import. Journal of Experimental Medicine, 2012, 209, 1409-1417.	8.5	99
56	Widespread Immunological Functions of Mast Cells: Fact or Fiction?. Immunity, 2012, 37, 13-24.	14.3	214
57	Response to Brown etÂal.. Immunity, 2012, 36, 893-894.	14.3	8
58	Cre-Mediated Cell Ablation Contests Mast Cell Contribution in Models of Antibody- and T Cell-Mediated Autoimmunity. Immunity, 2011, 35, 832-844.	14.3	292
59	Mast cell chymase reduces the toxicity of Gila monster venom, scorpion venom, and vasoactive intestinal polypeptide in mice. Journal of Clinical Investigation, 2011, 121, 4180-4191.	8.2	134
60	Fate Mapping Reveals Separate Origins of T Cells and Myeloid Lineages in the Thymus. Immunity, 2010, 32, 426-436.	14.3	268
61	The Inflammatory Response after an Epidermal Burn Depends on the Activities of Mouse Mast Cell Proteases 4 and 5. Journal of Immunology, 2010, 185, 7681-7690.	0.8	62
62	Kit Ligand and Il7 Differentially Regulate Peyerâ€™s Patch and Lymph Node Development. Journal of Immunology, 2010, 185, 3514-3519.	0.8	44
63	Early T cell development and the pitfalls of potential. Trends in Immunology, 2010, 31, 303-310.	6.8	47
64	Hematopoietic stem cell transplantation without irradiation. Nature Methods, 2009, 6, 267-269.	19.0	91
65	Deletion of Notch1 Converts Pro-T Cells to Dendritic Cells and Promotes Thymic B Cells by Cell-Extrinsic and Cell-Intrinsic Mechanisms. Immunity, 2009, 30, 67-79.	14.3	153
66	Kit is essential for PMA-inflammationâ€“induced mast-cell accumulation in the skin. Blood, 2007, 109, 5363-5370.	1.4	19
67	Molecular mechanism of mast cellâ€“mediated innate defense against endothelin and snake venom sarafotoxin. Journal of Experimental Medicine, 2007, 204, 2629-2639.	8.5	140
68	Evidence for a Functional Second Thymus in Mice. Science, 2006, 312, 284-287.	12.6	142
69	Prospective isolation and global gene expression analysis of the erythrocyte colony-forming unit (CFU-E). Blood, 2005, 105, 1937-1945.	1.4	68
70	Gene targeting of VEGF-A in thymus epithelium disrupts thymus blood vessel architecture. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10587-10592.	7.1	68
71	Rescue of lethal c-KitW/W mice by erythropoietin. Blood, 2004, 104, 1688-1695.	1.4	49
72	Viable c-KitW/W Mutants Reveal Pivotal Role for c-Kit in the Maintenance of Lymphopoiesis. Immunity, 2002, 17, 277-288.	14.3	156

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73	Lymphocyte Development in Neonatal and Adult C-Kit-Deficient (C-Kitw/w) Mice. Advances in Experimental Medicine and Biology, 2002, 512, 1-10.	1.6	26
74	Intrathymically expressed c-kit ligand (stem cell factor) is a major factor driving expansion of very immature thymocytes in vivo. Immunity, 1995, 3, 313-319.	14.3	190