

Avinash Bhandoola

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4625429/publications.pdf>

Version: 2024-02-01

107
papers

9,962
citations

47006

47
h-index

38395

95
g-index

111
all docs

111
docs citations

111
times ranked

12144
citing authors

#	ARTICLE	IF	CITATIONS
1	Deletion of the Developmentally Essential Gene ATR in Adult Mice Leads to Age-Related Phenotypes and Stem Cell Loss. <i>Cell Stem Cell</i> , 2007, 1, 113-126.	11.1	691
2	IL25 elicits a multipotent progenitor cell population that promotes TH2 cytokine responses. <i>Nature</i> , 2010, 464, 1362-1366.	27.8	512
3	Thymopoiesis independent of common lymphoid progenitors. <i>Nature Immunology</i> , 2003, 4, 168-174.	14.5	489
4	TOX and TOX2 transcription factors cooperate with NR4A transcription factors to impose CD8 ⁺ T cell exhaustion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12410-12415.	7.1	481
5	The earliest thymic progenitors for T cells possess myeloid lineage potential. <i>Nature</i> , 2008, 452, 764-767.	27.8	386
6	A critical role for TCF-1 in T-lineage specification and differentiation. <i>Nature</i> , 2011, 476, 63-68.	27.8	351
7	MAIT cells are imprinted by the microbiota in early life and promote tissue repair. <i>Science</i> , 2019, 366, .	12.6	342
8	Stat5a/b are essential for normal lymphoid development and differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1000-1005.	7.1	331
9	Notch signaling controls the generation and differentiation of early T lineage progenitors. <i>Nature Immunology</i> , 2005, 6, 663-670.	14.5	320
10	Response to RAG-Mediated V(D)J Cleavage by NBS1 and gamma-H2AX. <i>Science</i> , 2000, 290, 1962-1964.	12.6	308
11	Canonical Notch Signaling Is Dispensable for the Maintenance of Adult Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 356-366.	11.1	271
12	Commitment and Developmental Potential of Extrathymic and Intrathymic T Cell Precursors: Plenty to Choose from. <i>Immunity</i> , 2007, 26, 678-689.	14.3	244
13	TCF-1 upregulation identifies early innate lymphoid progenitors in the bone marrow. <i>Nature Immunology</i> , 2015, 16, 1044-1050.	14.5	228
14	Coreceptor Reversal in the Thymus. <i>Immunity</i> , 2000, 13, 59-71.	14.3	222
15	CCR7 and CCR9 together recruit hematopoietic progenitors to the adult thymus. <i>Blood</i> , 2010, 115, 1897-1905.	1.4	216
16	Erythroid/Myeloid Progenitors and Hematopoietic Stem Cells Originate from Distinct Populations of Endothelial Cells. <i>Cell Stem Cell</i> , 2011, 9, 541-552.	11.1	216
17	T Cell Factor 1 Is Required for Group 2 Innate Lymphoid Cell Generation. <i>Immunity</i> , 2013, 38, 694-704.	14.3	214
18	Signal integration and crosstalk during thymocyte migration and emigration. <i>Nature Reviews Immunology</i> , 2011, 11, 469-477.	22.7	188

#	ARTICLE	IF	CITATIONS
19	The requirement for Notch signaling at the $\hat{2}$ -selection checkpoint in vivo is absolute and independent of the pre \hat{c} T cell receptor. <i>Journal of Experimental Medicine</i> , 2006, 203, 2239-2245.	8.5	184
20	Circulating hematopoietic progenitors with T lineage potential. <i>Nature Immunology</i> , 2004, 5, 953-960.	14.5	181
21	The Earliest Step in B Lineage Differentiation from Common Lymphoid Progenitors Is Critically Dependent upon Interleukin 7. <i>Journal of Experimental Medicine</i> , 2002, 196, 705-711.	8.5	179
22	Selective Thymus Settling Regulated by Cytokine and Chemokine Receptors. <i>Journal of Immunology</i> , 2007, 178, 2008-2017.	0.8	167
23	Transcriptional Regulation of Innate and Adaptive Lymphocyte Lineages. <i>Annual Review of Immunology</i> , 2015, 33, 607-642.	21.8	155
24	Transcription Factor Bcl11b Controls Identity and Function of Mature Type 2 Innate Lymphoid Cells. <i>Immunity</i> , 2015, 43, 354-368.	14.3	137
25	IL-25 simultaneously elicits distinct populations of innate lymphoid cells and multipotent progenitor type 2 (MPPtype2) cells. <i>Journal of Experimental Medicine</i> , 2013, 210, 1823-1837.	8.5	127
26	In Vitro Evidence That Cytokine Receptor Signals Are Required for Differentiation of Double Positive Thymocytes into Functionally Mature CD8+ T Cells. <i>Journal of Experimental Medicine</i> , 2003, 197, 475-487.	8.5	125
27	From stem cell to T cell: one route or many?. <i>Nature Reviews Immunology</i> , 2006, 6, 117-126.	22.7	125
28	Cutting Edge: Natural Helper Cells Derive from Lymphoid Progenitors. <i>Journal of Immunology</i> , 2011, 187, 5505-5509.	0.8	124
29	Foxp1 is an essential transcriptional regulator for the generation of quiescent naive T cells during thymocyte development. <i>Blood</i> , 2010, 115, 510-518.	1.4	115
30	Cutting Edge: Notch Signaling Promotes the Plasticity of Group-2 Innate Lymphoid Cells. <i>Journal of Immunology</i> , 2017, 198, 1798-1803.	0.8	115
31	The transcription factor c-Myb regulates CD8+ T cell stemness and antitumor immunity. <i>Nature Immunology</i> , 2019, 20, 337-349.	14.5	113
32	CD8 + T Lymphocyte Self-Renewal during Effector Cell Determination. <i>Cell Reports</i> , 2016, 17, 1773-1782.	6.4	101
33	Development and differentiation of early innate lymphoid progenitors. <i>Journal of Experimental Medicine</i> , 2018, 215, 249-262.	8.5	96
34	CD4+ T cell effector commitment coupled to self-renewal by asymmetric cell divisions. <i>Journal of Experimental Medicine</i> , 2017, 214, 39-47.	8.5	91
35	T \hat{c} cell lineage determination. <i>Immunological Reviews</i> , 2010, 238, 12-22.	6.0	90
36	T cell development requires constraint of the myeloid regulator C/EBP \hat{t} by the Notch target and transcriptional repressor Hes1. <i>Nature Immunology</i> , 2013, 14, 1277-1284.	14.5	87

#	ARTICLE	IF	CITATIONS
37	Peripheral Expression of Self-MHC-II Influences the Reactivity and Self-Tolerance of Mature CD4+ T Cells. <i>Immunity</i> , 2002, 17, 425-436.	14.3	84
38	Group 2 innate lymphoid cells mediate ozone-induced airway inflammation and hyperresponsiveness in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 571-578.	2.9	83
39	The transcription factor TCF-1 enforces commitment to the innate lymphoid cell lineage. <i>Nature Immunology</i> , 2019, 20, 1150-1160.	14.5	81
40	Notch-dependent T-lineage commitment occurs at extrathymic sites following bone marrow transplantation. <i>Blood</i> , 2006, 107, 3511-3519.	1.4	80
41	Notch dimerization is required for leukemogenesis and T-cell development. <i>Genes and Development</i> , 2010, 24, 2395-2407.	5.9	76
42	Hematopoietic progenitor migration to the adult thymus. <i>Annals of the New York Academy of Sciences</i> , 2011, 1217, 122-138.	3.8	76
43	Single-cell analysis of RORÎ± tracer mouse lung reveals ILC progenitors and effector ILC2 subsets. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	74
44	Early T Lineage Progenitors: New Insights, but Old Questions Remain. <i>Journal of Immunology</i> , 2003, 171, 5653-5658.	0.8	70
45	Trafficking from the bone marrow to the thymus: a prerequisite for thymopoiesis. <i>Immunological Reviews</i> , 2006, 209, 47-57.	6.0	66
46	Targeting the kinase activities of ATR and ATM exhibits antitumoral activity in mouse models of <i>MLL</i> -rearranged AML. <i>Science Signaling</i> , 2016, 9, ra91.	3.6	63
47	Dominant activating <i>RAC2</i> mutation with lymphopenia, immunodeficiency, and cytoskeletal defects. <i>Blood</i> , 2019, 133, 1977-1988.	1.4	61
48	Heterozygous <i>FOXN1</i> Variants Cause Low TRECs and Severe T Cell Lymphopenia, Revealing a Crucial Role of <i>FOXN1</i> in Supporting Early Thymopoiesis. <i>American Journal of Human Genetics</i> , 2019, 105, 549-561.	6.2	52
49	Inhibitory signaling sustains a distinct early memory CD8 ⁺ T cell precursor that is resistant to DNA damage. <i>Science Immunology</i> , 2021, 6, .	11.9	52
50	Canonical Notch Signaling Is Dispensable for the Maintenance of Adult Hematopoietic Stem Cells.. <i>Blood</i> , 2005, 106, 267-267.	1.4	42
51	The development of adult innate lymphoid cells. <i>Current Opinion in Immunology</i> , 2016, 39, 114-120.	5.5	40
52	Untangling the T branch of the hematopoiesis tree. <i>Current Opinion in Immunology</i> , 2009, 21, 121-126.	5.5	39
53	<i>Myc</i> controls a distinct transcriptional program in fetal thymic epithelial cells that determines thymus growth. <i>Nature Communications</i> , 2019, 10, 5498.	12.8	39
54	CD5-mediated inhibition of TCR signaling during intrathymic selection and development does not require the CD5 extracellular domain. <i>European Journal of Immunology</i> , 2002, 32, 1811.	2.9	38

#	ARTICLE	IF	CITATIONS
55	Ageing and T cell development: Interplay between progenitors and their environment. <i>Seminars in Immunology</i> , 2005, 17, 337-346.	5.6	37
56	Early T-cell progenitors are the major granulocyte precursors in the adult mouse thymus. <i>Blood</i> , 2013, 121, 64-71.	1.4	35
57	Expression of Functional P-Selectin Glycoprotein Ligand 1 on Hematopoietic Progenitors Is Developmentally Regulated. <i>Journal of Immunology</i> , 2012, 188, 4385-4393.	0.8	34
58	Positive Selection as a Developmental Progression Initiated by $\hat{I}\hat{I}^2$ TCR Signals that Fix TCR Specificity prior to Lineage Commitment. <i>Immunity</i> , 1999, 10, 301-311.	14.3	29
59	Blocked O-GlcNAc cycling disrupts mouse hematopoietic stem cell maintenance and early T cell development. <i>Scientific Reports</i> , 2019, 9, 12569.	3.3	27
60	Postnatal Involution and Counter-Involution of the Thymus. <i>Frontiers in Immunology</i> , 2020, 11, 897.	4.8	26
61	A Shared Regulatory Element Controls the Initiation of Tcf7 Expression During Early T Cell and Innate Lymphoid Cell Developments. <i>Frontiers in Immunology</i> , 2020, 11, 470.	4.8	23
62	CD8 Coreceptor Extinction in Signaled CD4 + CD8 + Thymocytes: Coordinate Roles for Both Transcriptional and Posttranscriptional Regulatory Mechanisms in Developing Thymocytes. <i>Molecular and Cellular Biology</i> , 2000, 20, 3852-3859.	2.3	21
63	Signals involved in CD4/CD8 lineage commitment: Current concepts and potential mechanisms. <i>Seminars in Immunology</i> , 1999, 11, 273-281.	5.6	20
64	Mechanisms of Autoimmunity in the Context of T-Cell Tolerance: Insights from Natural and Transgenic Animal Model Systems. <i>Immunological Reviews</i> , 1990, 118, 165-192.	6.0	19
65	Closer to the Source: Notch and the Nature of Thymus-Settling Cells. <i>Immunity</i> , 2005, 23, 245-248.	14.3	18
66	Eliciting the T cell fate with Notch. <i>Seminars in Immunology</i> , 2010, 22, 254-260.	5.6	18
67	T cell progenitor therapy“facilitated thymopoiesis depends upon thymic input and continued thymic microenvironment interaction. <i>JCI Insight</i> , 2017, 2, .	5.0	18
68	Identification of an Intronic Regulatory Element Necessary for Tissue-Specific Expression of <i>Foxn1</i> in Thymic Epithelial Cells. <i>Journal of Immunology</i> , 2019, 203, 686-695.	0.8	17
69	T Cell Development Critically Depends on Prethymic Stromal Patched Expression. <i>Journal of Immunology</i> , 2011, 186, 3383-3391.	0.8	15
70	Sialylation regulates peripheral tolerance in CD4+ T cells. <i>International Immunology</i> , 2006, 18, 627-635.	4.0	14
71	Progenitor migration to the thymus and T cell lineage commitment. <i>Immunologic Research</i> , 2008, 42, 65-74.	2.9	14
72	Immature Thymocytes Undergoing Receptor Rearrangements Are Resistant to an Atm-Dependent Death Pathway Activated in Mature T Cells by Double-Stranded DNA Breaks. <i>Journal of Experimental Medicine</i> , 2000, 192, 891-898.	8.5	12

#	ARTICLE	IF	CITATIONS
73	Complement-dependent T-cell lymphopenia caused by thymocyte deletion of the membrane complement regulator Crry. <i>Blood</i> , 2009, 113, 2684-2694.	1.4	12
74	The microRNA Biogenesis Machinery Modulates Lineage Commitment during $\hat{1}\hat{2}$ T Cell Development. <i>Journal of Immunology</i> , 2014, 193, 4032-4042.	0.8	11
75	Inhibition of abnormal T cell development and autoimmunity in gld mice by transgenic T cell receptor $\hat{1}^2$ chain. <i>European Journal of Immunology</i> , 1992, 22, 1693-1700.	2.9	10
76	Lineage specification in innate lymphocytes. <i>Cytokine and Growth Factor Reviews</i> , 2018, 42, 20-26.	7.2	9
77	Delayed allograft rejection by T cell receptor $\hat{V}\hat{1}^2$ 8.1 transgenic mice peripherally tolerized to Mls-1. <i>European Journal of Immunology</i> , 1994, 24, 1710-1713.	2.9	8
78	Ezrin Is Highly Expressed in Early Thymocytes, but Dispensable for T Cell Development in Mice. <i>PLoS ONE</i> , 2010, 5, e12404.	2.5	8
79	Losing TREC with Age. <i>Immunity</i> , 2012, 36, 163-165.	14.3	8
80	Intrathymic Injection. <i>Methods in Molecular Biology</i> , 2016, 1323, 203-209.	0.9	8
81	Cutting Edge: Core Binding Factor $\hat{1}^2$ Is Required for Group 2 Innate Lymphoid Cell Activation. <i>Journal of Immunology</i> , 2019, 202, 1669-1673.	0.8	8
82	Rebuilding the Thymus. <i>Science</i> , 2012, 336, 40-41.	12.6	7
83	Transcriptional and epigenetic regulation in thymic epithelial cells*. <i>Immunological Reviews</i> , 2022, 305, 43-58.	6.0	7
84	Programming for cytotoxic effector function occurs concomitantly with CD4 extinction during CD8+ T cell differentiation in the thymus. <i>International Immunology</i> , 2000, 12, 1035-1040.	4.0	6
85	Putting ThPOK in place. <i>Nature Immunology</i> , 2008, 9, 1095-1096.	14.5	5
86	The histone demethylase Lsd1 regulates multiple repressive gene programs during T cell development. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	4
87	Editorial: Ephs, ephrins, and early T cell development. <i>Journal of Leukocyte Biology</i> , 2015, 98, 877-879.	3.3	3
88	ILC Differentiation from Progenitors in the Bone Marrow. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1365, 7-24.	1.6	3
89	Deconstructing development. <i>Nature Immunology</i> , 2013, 14, 529-531.	14.5	2
90	OIP-1, a novel protein that distinguishes early oligodendrocyte precursors. , 1997, 50, 591-604.		1

#	ARTICLE	IF	CITATIONS
91	Immunology at the University of Pennsylvania. Immunologic Research, 2008, 42, 1-2.	2.9	1
92	There's many a CLP on the path to B. Blood, 2010, 115, 2562-2563.	1.4	1
93	Decoding HSC heterogeneity. Blood, 2012, 119, 4819-4820.	1.4	1
94	Ozone Inhalation Induces Epithelial IL-33 and Thymic Stromal Lymphopoietin (TSLP) and Leads To Eosinophilic Airway Inflammation. Journal of Allergy and Clinical Immunology, 2014, 133, AB145.	2.9	1
95	The PLOS Biology XV Collection: 15 Years of Exceptional Science Highlighted across 12 Months. PLoS Biology, 2019, 17, e3000180.	5.6	1
96	Animal Model of Mitochondrial Dysfunction Generating Macrocytic Anemia and Myelodysplastic Bone Marrow Failure.. Blood, 2007, 110, 402-402.	1.4	1
97	Switch hitter: Bcl11b in T cells and ILC2s. Journal of Experimental Medicine, 2020, 217, .	8.5	1
98	A doppelgänger of T cell development. Cell Cycle, 2016, 15, 479-480.	2.6	0
99	A novel role for p53 in self-tolerance. Blood, 2017, 130, 388-389.	1.4	0
100	Response to Comment on "Identification of an Intronic Regulatory Element Necessary for Tissue-Specific Expression of Foxn1 in Thymic Epithelial Cells". Journal of Immunology, 2019, 203, 2355.2-2356.	0.8	0
101	Building early defenses. Cell Research, 2021, 31, 1041-1042.	12.0	0
102	Identification of Thymus Settling Progenitors.. Blood, 2004, 104, 2677-2677.	1.4	0
103	Interleukin-7 Over-Expression Regulates T Cell Versus B Cell Lineage Development in the Thymus.. Blood, 2004, 104, 3238-3238.	1.4	0
104	Intrathymic and Extrathymic Notch-Dependent T Lineage Checkpoints during Normal Development and after Bone Marrow Transplantation.. Blood, 2004, 104, 1190-1190.	1.4	0
105	IL-7 Effects on Thymocyte Progenitors.. Blood, 2005, 106, 3318-3318.	1.4	0
106	Critical Functions for Notch Dimerization In T Cell Transformation.. Blood, 2010, 116, 3647-3647.	1.4	0
107	Pillars Article: Coreceptor Reversal in the Thymus: Signaled CD4+8+ Thymocytes Initially Terminate CD8 Transcription Even When Differentiating into CD8+ T Cells. Immunity. 2000. 13: 59-71. Journal of Immunology, 2016, 196, 1985-97.	0.8	0