David L Wiest

List of Publications by Year
in descending order

84 papers	3,969 citations	94433 37 h-index	133252 59 g-index
86 all docs	86 docs citations	86 times ranked	4928 citing authors

#	Article	IF	Citations
1	Stage-Specific and Differential Notch Dependency at the Î±Î² and Î³Î´ T Lineage Bifurcation. Immunity, 2006, 25, 105-116.	14.3	208
2	The BRCA1-Î”11q Alternative Splice Isoform Bypasses Germline Mutations and Promotes Therapeutic Resistance to PARP Inhibition and Cisplatin. Cancer Research, 2016, 76, 2778-2790.	0.9	208
3	Attenuation of Î³Î´TCR Signaling Efficiently Diverts Thymocytes to the Î±Î² Lineage. Immunity, 2005, 22, 595-606.	14.3	204
4	Ablation of Ribosomal Protein L22 Selectively Impairs Î±Î² T Cell Development by Activation of a p53-Dependent Checkpoint. Immunity, 2007, 26, 759-772.	14.3	170
5	Marked Induction of the Helix-Loop-Helix Protein Id3 Promotes the Î³Î´ T Cell Fate and Renders Their Functional Maturation Notch Independent. Immunity, 2009, 31, 565-575.	14.3	136
6	Mechanistic basis of preâ€“T cell receptorâ€“mediated autonomous signaling critical for thymocyte development. Nature Immunology, 2006, 7, 67-75.	14.5	133
7	Inactivation of ribosomal protein L22 promotes transformation by induction of the stemness factor, Lin28B. Blood, 2012, 120, 3764-3773.	1.4	132
8	Branching out to gain control: how the pre-TCR is linked to multiple functions. Trends in Immunology, 2000, 21, 637-644.	7.5	105
9	Multisystem Anomalies in Severe Combined Immunodeficiency with Mutant <i>BCL11B</i>. New England Journal of Medicine, 2016, 375, 2165-2176.	27.0	104
10	Mutations in <i>STN1</i> cause Coats plus syndrome and are associated with genomic and telomere defects. Journal of Experimental Medicine, 2016, 213, 1429-1440.	8.5	100
11	Regulation of Lineage Commitment Distinct from Positive Selection. Science, 1999, 286, 1149-1153.	12.6	90
12	The Ribosomal Protein Rpl22 Controls Ribosome Composition by Directly Repressing Expression of Its Own Paralog, Rpl22l1. PLoS Genetics, 2013, 9, e1003708.	3.5	89
13	Early Growth Response Transcription Factors Are Required for Development of CD4âˆ’CD8âˆ’ Thymocytes to the CD4+CD8+ Stage. Journal of Immunology, 2002, 168, 1649-1658.	0.8	85
14	TCR Activation of ZAP70 Is Impaired in CD4+CD8+ Thymocytes as a Consequence of Intrathymic Interactions that Diminish Available p56lck. Immunity, 1996, 4, 495-504.	14.3	82
15	Control of Hematopoietic Stem Cell Emergence by Antagonistic Functions of Ribosomal Protein Paralogs. Developmental Cell, 2013, 24, 411-425.	7.0	81
16	A Spontaneously Arising Mutation in the DLAARN Motif of Murine ZAP-70 Abrogates Kinase Activity and Arrests Thymocyte Development. Immunity, 1997, 6, 663-671.	14.3	79
17	The TCR ligand-inducible expression of CD73 marks Î³Î´ lineage commitment and a metastable intermediate in effector specification. Journal of Experimental Medicine, 2014, 211, 329-343.	8.5	75
18	Subunit Composition of Preâ€“T Cell Receptor Complexes Expressed by Primary Thymocytes: CD3Î´ Is Physically Associated but Not Functionally Required. Journal of Experimental Medicine, 1997, 186, 1461-1467.	8.5	74

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19	Enforced Expression of Spi-B Reverses T Lineage Commitment and Blocks Î²-Selection. Journal of Immunology, 2005, 174, 6184-6194.	0.8	74
20	Tâ˜'B+NK+ severe combined immunodeficiency caused by complete deficiency of the CD3Î¶ subunit of the T-cell antigen receptor complex. Blood, 2007, 109, 3198-3206.	1.4	74
21	Disruption of Thrombocyte and T Lymphocyte Development by a Mutation in <i>ARPC1B</i>. Journal of Immunology, 2017, 199, 4036-4045.	0.8	72
22	Ribosomal Proteins Rpl22 and Rpl22l1 Control Morphogenesis by Regulating Pre-mRNA Splicing. Cell Reports, 2017, 18, 545-556.	6.4	69
23	Early Growth Response Genes Regulate B Cell Development, Proliferation, and Immune Response. Journal of Immunology, 2008, 181, 4590-4602.	0.8	55
24	Low Activation Threshold As a Mechanism for Ligand-Independent Signaling in Pre-T Cells. Journal of Immunology, 2003, 170, 2853-2861.	0.8	53
25	A Role for Ly108 in the Induction of Promyelocytic Zinc Finger Transcription Factor in Developing Thymocytes. Journal of Immunology, 2013, 190, 2121-2128.	0.8	53
26	Subversion of T lineage commitment by PU.1 in a clonal cell line system. Developmental Biology, 2005, 280, 448-466.	2.0	51
27	Origins of Î³Î´ T Cell Effector Subsets: A Riddle Wrapped in an Enigma. Journal of Immunology, 2014, 193, 4289-4294.	0.8	49
28	Redundant Role for Early Growth Response Transcriptional Regulators in Thymocyte Differentiation and Survival. Journal of Immunology, 2007, 178, 6796-6805.	0.8	47
29	High-Sensitivity Detection and Quantitative Analysis of Native Protein-Protein Interactions and Multiprotein Complexes by Flow Cytometry. Science Signaling, 2007, 2007, pl2.	3.6	47
30	TCR-mediated ThPOK induction promotes development of mature (CD24â˜') Î³Î´ thymocytes. EMBO Journal, 2010, 29, 2329-2341.	7.8	46
31	HEB is required for the specification of fetal IL-17-producing Î³Î´ T cells. Nature Communications, 2017, 8, 2004.	12.8	45
32	Extracellular Signalâ€"Regulated Kinase (Erk) Activation by the Pre-T Cell Receptor in Developing Thymocytes in Vivo. Journal of Experimental Medicine, 1999, 190, 1647-1656.	8.5	41
33	Competitive Displacement of pTÎ± by TCR-Î± During TCR Assembly Prevents Surface Coexpression of Pre-TCR and Î±Î² TCR. Journal of Immunology, 2000, 165, 5566-5572.	0.8	40
34	Cutting Edge: Intrinsic Programming of Thymic Î³Î´T Cells for Specific Peripheral Tissue Localization. Journal of Immunology, 2010, 185, 7156-7160.	0.8	40
35	Role of a selecting ligand in shaping the murine Î³Î´-TCR repertoire. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1889-1894.	7.1	40
36	CD45-deficient severe combined immunodeficiency caused by uniparental disomy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10456-10461.	7.1	39

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37	Recent insights into the signals that control ??/??-lineage fate. Immunological Reviews, 2006, 209, 176-190.	6.0	38
38	Towards a molecular understanding of the differential signals regulating Î±Î²/Î³Î´ T lineage choice. Seminars in Immunology, 2010, 22, 237-246.	5.6	38
39	Control of early thymocyte development by the pre-T cell receptor complex: A receptor without a ligand?. Seminars in Immunology, 1999, 11, 251-262.	5.6	37
40	Egr2 Is Required for Bcl-2 Induction during Positive Selection. Journal of Immunology, 2008, 181, 7778-7785.	0.8	35
41	Enforcement of Î³Î´-lineage commitment by the preâ€"T-cell receptor in precursors with weak Î³Î´-TCR signals. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5658-5663.	7.1	35
42	The Ras/MAPK Pathway Is Required for Generation of iNKT Cells. PLoS ONE, 2011, 6, e19890.	2.5	35
43	Developmental Arrest of T Cells in Rpl22-Deficient Mice Is Dependent upon Multiple p53 Effectors. Journal of Immunology, 2011, 187, 664-675.	0.8	32
44	A Novel Recurrent Chromosomal Inversion Implicates the Homeobox Gene<i>Dlx5</i>in T-Cell Lymphomas from Lck-Akt2 Transgenic Mice. Cancer Research, 2008, 68, 1296-1302.	0.9	31
45	Rpl22 Loss Selectively Impairs Î±Î² T Cell Development by Dysregulating Endoplasmic Reticulum Stress Signaling. Journal of Immunology, 2016, 197, 2280-2289.	0.8	30
46	Constitutive Notch signalling promotes CD4-CD8- thymocyte differentiation in the absence of the pre-TCR complex, by mimicking pre-TCR signals. International Immunology, 2007, 19, 1421-1430.	4.0	28
47	Noncanonical Mode of ERK Action Controls Alternative Î±Î² and Î³Î´ T Cell Lineage Fates. Immunity, 2014, 41, 934-946.	14.3	28
48	ZAP-70 Protein Promotes Tyrosine Phosphorylation of T Cell Receptor Signaling Motifs (ITAMs) in Immature CD4+8+ Thymocytes with Limiting p56lck. Journal of Experimental Medicine, 1999, 189, 1163-1168.	8.5	26
49	Pre-TCR-Induced Î²-Catenin Facilitates Traversal through Î²-Selection. Journal of Immunology, 2009, 182, 751-758.	0.8	26
50	The Role of MAPKs in B Cell Receptor-induced Down-regulation of Egr-1 in Immature B Lymphoma Cells. Journal of Biological Chemistry, 2006, 281, 39806-39818.	3.4	25
51	Rpl22 Loss Impairs the Development of B Lymphocytes by Activating a p53-Dependent Checkpoint. Journal of Immunology, 2015, 194, 200-209.	0.8	25
52	Correction of DNA Protein Kinase Deficiency by Spliceosome-mediated RNA Trans-splicing and Sleeping Beauty Transposon Delivery. Molecular Therapy, 2007, 15, 1273-1279.	8.2	24
53	Ribosomal Protein Rpl22 Controls the Dissemination of T-cell Lymphoma. Cancer Research, 2016, 76, 3387-3396.	0.9	24
54	Early Growth Response 1 and NF-ATc1 Act in Concert to Promote Thymocyte Development beyond the Î²-Selection Checkpoint. Journal of Immunology, 2007, 179, 4694-4703.	0.8	23

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55	Differential Roles of IL-2â€“Inducible T Cell Kinase-Mediated TCR Signals in Tissue-Specific Localization and Maintenance of Skin Intraepithelial T Cells. Journal of Immunology, 2010, 184, 6807-6814.	0.8	23
56	Integration of Tâ€cell receptor, Notch and cytokine signals programs mouse Î³Î´ Tâ€cell effector differentiation. Immunology and Cell Biology, 2018, 96, 994-1007.	2.3	21
57	Disruption of Supv3L1 damages the skin and causes sarcopenia, loss of fat, and death. Mammalian Genome, 2009, 20, 92-108.	2.2	20
58	RPL22L1 induction in colorectal cancer is associated with poor prognosis and 5-FU resistance. PLoS ONE, 2019, 14, e0222392.	2.5	19
59	The connecting peptide domain of pTÎ± dictates weak association of the pre-T cell receptor with the TCR Î¶ subunit. European Journal of Immunology, 1999, 29, 2187-2196.	2.9	18
60	In Vitro Functional Correction of the Mutation Responsible for Murine Severe Combined Immune Deficiency by Small Fragment Homologous Replacement. Human Gene Therapy, 2006, 17, 158-166.	2.7	18
61	<i>Tcra</i> Enhancer Activation by Inducible Transcription Factors Downstream of Pre-TCR Signaling. Journal of Immunology, 2012, 188, 3278-3293.	0.8	18
62	The E protein-TCF1 axis controls Î³Î´ TÂcell development and effector fate. Cell Reports, 2021, 34, 108716.	6.4	18
63	Recurrent chromosomal rearrangements implicate oncogenes contributing to Tâ€cell lymphomagenesis in Lckâ€MyrAkt2 transgenic mice. Genes Chromosomes and Cancer, 2009, 48, 786-794.	2.8	16
64	Appl1 is dispensable for Akt signaling in vivo and mouse Tâ€cell development. Genesis, 2010, 48, 531-539.	1.6	15
65	Development of promyelocytic leukemia zinc finger-expressing innate CD4 T cells requires stronger T-cell receptor signals than conventional CD4 T cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16264-16269.	7.1	15
66	Id3 Restricts Î³Î´ NKT Cell Expansion by Controlling Egr2 and c-Myc Activity. Journal of Immunology, 2018, 201, 1452-1459.	0.8	15
67	Mutagenesis Screen Identifies agtpbp1 and eps15L1 as Essential for T lymphocyte Development in Zebrafish. PLoS ONE, 2015, 10, e0131908.	2.5	14
68	Development of Î³Î´ T Cells, the Special-Force Soldiers of the Immune System. Methods in Molecular Biology, 2016, 1323, 23-32.	0.9	14
69	IL27 Signaling Serves as an Immunologic Checkpoint for Innate Cytotoxic Cells to Promote Hepatocellular Carcinoma. Cancer Discovery, 2022, 12, 1960-1983.	9.4	14
70	Appl1andAppl2are Expendable for Mouse Development But Are Essential for HGF-Induced Akt Activation and Migration in Mouse Embryonic Fibroblasts. Journal of Cellular Physiology, 2016, 231, 1142-1150.	4.1	13
71	Using the Zebrafish Model to Study T Cell Development. Methods in Molecular Biology, 2016, 1323, 273-292.	0.9	13
72	Fliâ€1 regulates the <scp>DN</scp>2 to <scp>DN</scp>3 thymocyte transition and promotes Î³Î´ <scp>T</scp>â€cell commitment by enhancing <scp>TCR</scp> signal strength. European Journal of Immunology, 2014, 44, 2617-2624.	2.9	10

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73	Regulatory Roles of Rpl22 in Hematopoiesis: An Old Dog with New Tricks. Critical Reviews in Immunology, 2015, 35, 379-400.	0.5	10
74	The homeoprotein Dlx5 drives murine T-cell lymphomagenesis by directly transactivating Notch and upregulating Akt signaling. Oncotarget, 2017, 8, 14941-14956.	1.8	9
75	Ontogenic timing, TÂcell receptor signal strength, and Notch signaling direct Î³Î´ TÂcell functional differentiation inÂvivo. Cell Reports, 2021, 35, 109227.	6.4	8
76	Recent advances in understanding the development and function of Î³Î´ T cells. F1000Research, 2020, 9, 306.	1.6	6
77	Loss of Ribosomal Protein Paralog Rpl22-like1 Blocks Lymphoid Development without Affecting Protein Synthesis. Journal of Immunology, 2022, 208, 870-880.	0.8	5
78	Identification of a novel pre-TCR isoform in which the accessibility of the TCRÎ² subunit is determined by occupancy of the `missing' V domain of pre-TÎ±. International Immunology, 2000, 12, 1579-1591.	4.0	4
79	Origins of Î³Î´T cells: A forum for opposing perspectives. Seminars in Immunology, 2010, 22, 191-192.	5.6	2
80	The ERK2 DBP domain opposes pathogenesis of a JAK2V617F-driven myeloproliferative neoplasm. Blood, 2022, , .	1.4	1
81	Identification of the Last Cog in a Ligand-Independent Signaling Machine?. Journal of Immunology, 2009, 182, 5163-5164.	0.8	0
82	Kri1l : a novel gene that links defective ribosome biogenesis to impaired hematopoiesis through excessive autophagy. Science Bulletin, 2015, 60, 1547-1548.	9.0	0
83	Control of Early T Cell Development by Notch and T Cell Receptor Signals. , 2016, , 234-241.		0
84	Reply to Chien: Clarification of the effect of ligand on Î³Î´-TCR repertoire selection. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3607-E3608.	7.1	0