Leslie J Berg

List of Publications by Year
in descending order

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92 papers	6,635 citations	61984 43 h-index	64796 79 g-index
96 all docs	96 docs citations	96 times ranked	6227 citing authors

#	Article	IF	Citations
1	A TCR Binds to Antagonist Ligands with Lower Affinities and Faster Dissociation Rates Than to Agonists. Immunity, 1996, 5, 53-61.	14.3	395
2	Antigen/MHC-specific T cells are preferentially exported from the thymus in the presence of their MHC ligand. Cell, 1989, 58, 1035-1046.	28.9	378
3	T Cell Receptorâ€“initiated Calcium Release Is Uncoupled from Capacitative Calcium Entry in Itk-deficient T Cells. Journal of Experimental Medicine, 1998, 187, 1721-1727.	8.5	313
4	TEC FAMILY KINASES IN T LYMPHOCYTE DEVELOPMENT AND FUNCTION. Annual Review of Immunology, 2005, 23, 549-600.	21.8	296
5	Regulatory intramolecular association in a tyrosine kinase of the Tec family. Nature, 1997, 385, 93-97.	27.8	261
6	Biochemical Interactions Integrating Itk with the T Cell Receptor-initiated Signaling Cascade. Journal of Biological Chemistry, 2000, 275, 2219-2230.	3.4	244
7	T-Cell Signaling Regulated by the Tec Family Kinase, Itk. Cold Spring Harbor Perspectives in Biology, 2010, 2, a002287-a002287.	5.5	200
8	The Tec Family Tyrosine Kinases Itk and Rlk Regulate the Development of Conventional CD8+ T Cells. Immunity, 2006, 25, 79-91.	14.3	187
9	Intrathymic programming of effector fates in three molecularly distinct Î³Î´ T cell subtypes. Nature Immunology, 2012, 13, 511-518.	14.5	185
10	Identification of Itk/Tsk Src Homology 3 Domain Ligands. Journal of Biological Chemistry, 1996, 271, 25646-25656.	3.4	174
11	Asymmetric Proteasome Segregation as a Mechanism for Unequal Partitioning of the Transcription Factor T-bet during T Lymphocyte Division. Immunity, 2011, 34, 492-504.	14.3	166
12	Lck Phosphorylates the Activation Loop Tyrosine of the Itk Kinase Domain and Activates Itk Kinase Activity. Journal of Biological Chemistry, 1997, 272, 25401-25408.	3.4	155
13	A Network of High-Mobility Group Box Transcription Factors Programs Innate Interleukin-17 Production. Immunity, 2013, 38, 681-693.	14.3	153
14	Signaling through Itk Promotes T Helper 2 Differentiation via Negative Regulation of T-bet. Immunity, 2004, 21, 67-80.	14.3	151
15	Phenotypic differences between Î±Î² versus Î² T-cell receptor transgenic mice undergoing negative selection. Nature, 1989, 340, 559-562.	27.8	148
16	Suppression of systemic autoimmunity by the innate immune adaptor STING. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E710-7.	7.1	139
17	TCF1 Is Required for the T Follicular Helper Cell Response to Viral Infection. Cell Reports, 2015, 12, 2099-2110.	6.4	134
18	Signalling through TEC kinases regulates conventional versus innate CD8+ T-cell development. Nature Reviews Immunology, 2007, 7, 479-485.	22.7	126

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19	Interleukin 7 Receptor Control of â€‰T Cell Receptor Î³ Gene Rearrangement: Role of Receptor-associated Chains and Locus Accessibility. Journal of Experimental Medicine, 1998, 188, 2233-2241.	8.5	123
20	The Tec Kinases Itk and Rlk Regulate NKT Cell Maturation, Cytokine Production, and Survival. Journal of Immunology, 2008, 180, 3007-3018.	0.8	114
21	Tec kinase Itk in Î³Î´T cells is pivotal for controlling IgE production in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8308-8313.	7.1	112
22	Janus-Kinase-3-Dependent Signals Induce Chromatin Remodeling at the Ifng Locus during T Helper 1 Cell Differentiation. Immunity, 2008, 28, 763-773.	14.3	108
23	The role of cytokine receptor signaling in lymphocyte development. Current Opinion in Immunology, 1999, 11, 157-166.	5.5	107
24	Epigenetic Modifications Induced by Blimp-1 Regulate CD8+ T Cell Memory Progression during Acute Virus Infection. Immunity, 2013, 39, 661-675.	14.3	106
25	Graded Levels of IRF4 Regulate CD8+ T Cell Differentiation and Expansion, but Not Attrition, in Response to Acute Virus Infection. Journal of Immunology, 2014, 192, 5881-5893.	0.8	99
26	TCR signaling via Tec kinase ITK and interferon regulatory factor 4 (IRF4) regulates CD8 ⁺ T-cell differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2794-802.	7.1	90
27	New insights into the regulation and functions of Tec family tyrosine kinases in the immune system. Current Opinion in Immunology, 2002, 14, 331-340.	5.5	84
28	Peripheral Expression of Jak3 Is Required to Maintain T Lymphocyte Function. Journal of Experimental Medicine, 1997, 185, 197-206.	8.5	83
29	The role of Tec family kinases in T cell development and function. Immunological Reviews, 2003, 191, 119-138.	6.0	79
30	The role of Jak3 in lymphoid development, activation, and signaling. Current Opinion in Immunology, 1997, 9, 541-547.	5.5	77
31	The Tec kinases Itk and Rlk regulate conventional versus innate Tâ€cell development. Immunological Reviews, 2009, 228, 115-131.	6.0	76
32	Itk Phosphorylation Sites Are Required for Functional Activity in Primary T Cells. Journal of Biological Chemistry, 2003, 278, 37112-37121.	3.4	75
33	Defective Fas Ligand Expression and Activation-Induced Cell Death in the Absence of IL-2-Inducible T Cell Kinase. Journal of Immunology, 2002, 168, 2163-2172.	0.8	71
34	Tec Kinase Signaling in T Cells Is Regulated by Phosphatidylinositol 3-Kinase and the Tec Pleckstrin Homology Domain. Journal of Immunology, 2001, 166, 387-395.	0.8	68
35	Tec Kinases Itk and Rlk Are Required for CD8+T Cell Responses to Virus Infection Independent of Their Role in CD4+T Cell Help. Journal of Immunology, 2006, 176, 1571-1581.	0.8	68
36	Homodimerization of Interleukin-4 Receptor Î± Chain Can Induce Intracellular Signaling. Journal of Biological Chemistry, 1996, 271, 23634-23637.	3.4	67

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37	Tec Kinases in T Cell and Mast Cell Signaling. Advances in Immunology, 2007, 93, 145-184.	2.2	67
38	T Cells and Gene Regulation: The Switching On and Turning Up of Genes after T Cell Receptor Stimulation in CD8 T Cells. Frontiers in Immunology, 2016, 7, 76.	4.8	63
39	Molecular determinants of TCR expression and selection. Current Opinion in Immunology, 2001, 13, 232-241.	5.5	53
40	The Absence of Itk Inhibits Positive Selection Without Changing Lineage Commitment. Journal of Immunology, 2002, 168, 6142-6151.	0.8	53
41	NKG2C/E Marks the Unique Cytotoxic CD4 T Cell Subset, ThCTL, Generated by Influenza Infection. Journal of Immunology, 2017, 198, 1142-1155.	0.8	53
42	IFN-Î±Î² and Self-MHC Divert CD8 T Cells into a Distinct Differentiation Pathway Characterized by Rapid Acquisition of Effector Functions. Journal of Immunology, 2010, 185, 1419-1428.	0.8	50
43	T cell development and activation in Jak3-deficient mice. Journal of Leukocyte Biology, 1998, 63, 669-677.	3.3	44
44	Dysregulated Myelopoiesis in Mice Lacking Jak3. Blood, 1999, 94, 932-939.	1.4	43
45	Jarid2 is induced by TCR signalling and controls iNKT cell maturation. Nature Communications, 2014, 5, 4540.	12.8	39
46	CD28 and ITK signals regulate autoreactive T cell trafficking. Nature Medicine, 2013, 19, 1632-1637.	30.7	37
47	CHROMOPHOREâ€ASSISTED LASER INACTIVATION OF SUBUNITS OF THE Tâ€CELL RECEPTOR IN LIVING CELLS IS SPATIALLY RESTRICTED. Photochemistry and Photobiology, 1995, 62, 923-929.	2.5	33
48	Itk and Th2 responses: action but no reaction. Trends in Immunology, 2006, 27, 453-460.	6.8	32
49	A Profound Deficiency in Thymic Progenitor Cells in Mice Lacking Jak3. Journal of Immunology, 2000, 165, 3680-3688.	0.8	29
50	Cutting Edge: Itk Is Not Essential for CD28 Signaling in Naive T Cells. Journal of Immunology, 2005, 174, 4475-4479.	0.8	29
51	A Small Molecule Inhibitor of ITK and RLK Impairs Th1 Differentiation and Prevents Colitis Disease Progression. Journal of Immunology, 2015, 195, 4822-4831.	0.8	28
52	Activation Loop Dynamics Determine the Different Catalytic Efficiencies of B Cellâ€“ and T Cellâ€“Specific Tec Kinases. Science Signaling, 2013, 6, ra76.	3.6	27
53	Cutting Edge: An Alternative Pathway of CD4+ T Cell Differentiation Is Induced Following Activation in the Absence of Î³-Chain-Dependent Cytokine Signals. Journal of Immunology, 2006, 176, 2059-2063.	0.8	25
54	Multidomain Control Over TEC Kinase Activation State Tunes the T Cell Response. Annual Review of Immunology, 2018, 36, 549-578.	21.8	25

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55	Characterization of a novel interaction between transcription factor TFIIâ€‰and the inducible tyrosine kinase in T cells. European Journal of Immunology, 2009, 39, 2584-2595.	2.9	24
56	The Tec Kinase ITK Regulates Thymic Expansion, Emigration, and Maturation of Î³Î´ NKT Cells. Journal of Immunology, 2013, 190, 2659-2669.	0.8	24
57	Innate PLZF+CD4+ Î±Î² T Cells Develop and Expand in the Absence of Itk. Journal of Immunology, 2014, 193, 673-687.	0.8	24
58	Cell Cycle Progression following Naive T Cell Activation Is Independent of Jak3/Common Î³-Chain Cytokine Signals. Journal of Immunology, 2009, 183, 4493-4501.	0.8	23
59	Activation of the Tec Kinase ITK Controls Graded IRF4 Expression in Response to Variations in TCR Signal Strength. Journal of Immunology, 2020, 205, 335-345.	0.8	23
60	The Transcription Factor Runx2 Is Required for Long-Term Persistence of Antiviral CD8+ Memory T Cells. ImmunoHorizons, 2018, 2, 251-261.	1.8	23
61	Subtle Defects in Pre-TCR Signaling in the Absence of the Tec Kinase Itk. Journal of Immunology, 2007, 179, 7561-7567.	0.8	22
62	Development of Innate CD4+ and CD8+ T Cells in Itk-Deficient Mice Is Regulated by Distinct Pathways. Journal of Immunology, 2014, 193, 688-699.	0.8	22
63	Type 1 interferon licenses naÃ¯ve CD8 T cells to mediate anti-viral cytotoxicity. Virology, 2016, 493, 52-59.	2.4	22
64	Cutting Edge: Two Distinct Mechanisms Lead to Impaired T Cell Homeostasis in Janus Kinase 3- and CTLA-4-Deficient Mice. Journal of Immunology, 2001, 166, 727-730.	0.8	20
65	Transient expression of ZBTB32 in anti-viral CD8+ T cells limits the magnitude of the effector response and the generation of memory. PLoS Pathogens, 2017, 13, e1006544.	4.7	19
66	The Tec kinase ITK is essential for ILC2 survival and epithelial integrity in the intestine. Nature Communications, 2019, 10, 784.	12.8	19
67	Hierarchy of signaling thresholds downstream of the T cell receptor and the Tec kinase ITK. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
68	Compartmentalized Eph receptor and ephrin expression in the thymus. Mechanisms of Development, 2002, 119, S225-S229.	1.7	18
69	High pathogen burden in childhood promotes the development of unconventional innate-like CD8+ T cells. JCI Insight, 2017, 2, .	5.0	18
70	Peptide Antigen Concentration Modulates Digital NFAT1 Activation in Primary Mouse Naive CD8+ T Cells as Measured by Flow Cytometry of Isolated Cell Nuclei. ImmunoHorizons, 2018, 2, 208-215.	1.8	18
71	Quantitative Analysis of the Efficiency of Clonal Deletion in the Thymus. Autoimmunity, 1994, 4, 43-53.	0.6	16
72	IRF4 Regulates the Ratio of T-Bet to Eomesodermin in CD8+ T Cells Responding to Persistent LCMV Infection. PLoS ONE, 2015, 10, e0144826.	2.5	16

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73	CD8+ T Cells Require ITK-Mediated TCR Signaling for Migration to the Intestine. ImmunoHorizons, 2020, 4, 57-71.	1.8	15
74	Strength of T Cell Receptor Signaling Strikes Again. Immunity, 2009, 31, 529-531.	14.3	14
75	Genomic Structure and Promoter Region of the Murine Janus-Family Tyrosine Kinase, Jak3. DNA and Cell Biology, 1997, 16, 85-94.	1.9	13
76	Disrupting the Intermolecular Self-Association of Itk Enhances T Cell Signaling. Journal of Immunology, 2010, 184, 4228-4235.	0.8	13
77	Enhanced T Cell Maturation and Altered Lineage Commitment in T Cell Receptor/CD4-Transgenic Mice. Cellular Immunology, 1995, 162, 56-67.	3.0	8
78	Optimized Detection of Acute MHV68 Infection With a Reporter System Identifies Large Peritoneal Macrophages as a Dominant Target of Primary Infection. Frontiers in Microbiology, 2021, 12, 656979.	3.5	8
79	Alterations in CD4 dependence accompany T cell development and differentiation. International Immunology, 1996, 8, 1077-1090.	4.0	7
80	Analysis of the Individual Role of the TCRÎ¶ Chain in Transgenic Mice after Conditional Activation with Chemical Inducers of Dimerization. Cellular Immunology, 2001, 214, 123-138.	3.0	6
81	Signaling Pathways That Regulate T Cell Development and Differentiation. Journal of Immunology, 2012, 189, 5487-5488.	0.8	6
82	The â€œBubble Boyâ€•Paradox: An Answer That Led to a Question. Journal of Immunology, 2008, 181, 5815-5816.	0.8	5
83	Regulation of Tissue-Dependent Differences in CD8⁺T Cell Apoptosis during Viral Infection. Journal of Virology, 2014, 88, 9490-9503.	3.4	3
84	TCR signaling: itâ€™s all about the numbers. Nature Immunology, 2019, 20, 1415-1416.	14.5	3
85	Interplay between IL-10, IFN-Î³, IL-17A and PD-1 Expressing EBNA1-Specific CD4+ and CD8+ T Cell Responses in the Etiologic Pathway to Endemic Burkitt Lymphoma. Cancers, 2021, 13, 5375.	3.7	3
86	Do the CD4 and CD8 lineages represent parallel pathways?. Seminars in Immunology, 1994, 6, 213-220.	5.6	2
87	Lymphocyte development. Current Opinion in Immunology, 2004, 16, 163-166.	5.5	2
88	c-Abl, an additional tyrosine kinase required for T cell development and function. Cell Cycle, 2008, 7, 3791-3791.	2.6	2
89	Gene-enhancer variants reveal diverse TCR-mediated differentiation. Nature Immunology, 2017, 18, 483-484.	14.5	1
90	The Signal Transduction of Motion and Antigen Recognition: Factors Affecting T Cell Function and Differentiation. , 1998, 20, 63-110.		1

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91	94 A Covalent Inhibitor of ITK and RLK Inhibits Th1 and Th17 Cell Differentiation and Prevents Disease Manifestation in an Adoptive Transfer Model of Colitis. Gastroenterology, 2015, 148, S-27.	1.3	0
92	The role of tec kinases in CD8+ T cell memory differentiation. FASEB Journal, 2008, 22, 511-511.	0.5	0