

# David D Lo

## List of Publications by Year in descending order

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108  
papers

8,236  
citations

57758

44  
h-index

46799

89  
g-index

111  
all docs

111  
docs citations

111  
times ranked

6430  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of relB is required for the development of thymic medulla and dendritic cells. <i>Nature</i> , 1995, 373, 531-536.	27.8	723
2	RelB Is Essential for the Development of Myeloid-Related CD8 <sup>+</sup> Dendritic Cells but Not of Lymphoid-Related CD8 <sup>+</sup> Dendritic Cells. <i>Immunity</i> , 1998, 9, 839-847.	14.3	414
3	Unopposed positive selection and autoreactivity in mice expressing class II MHC only on thymic cortex. <i>Nature</i> , 1996, 383, 81-85.	27.8	355
4	Diabetes and tolerance in transgenic mice expressing class II MHC molecules in pancreatic beta cells. <i>Cell</i> , 1988, 53, 159-168.	28.9	350
5	A role for non-MHC genetic polymorphism in susceptibility to spontaneous autoimmunity. <i>Immunity</i> , 1994, 1, 73-82.	14.3	342
6	The effect of thymus environment on T cell development and tolerance. <i>Cell</i> , 1988, 53, 627-634.	28.9	316
7	Mature microglia resemble immature antigen-presenting cells. <i>Glia</i> , 1998, 22, 72-85.	4.9	295
8	Abnormal differentiation of thymocytes in mice treated with cyclosporin A. <i>Nature</i> , 1988, 336, 176-179.	27.8	280
9	c-maf Promotes T Helper Cell Type 2 (Th2) and Attenuates Th1 Differentiation by Both Interleukin 4-dependent and -independent Mechanisms. <i>Journal of Experimental Medicine</i> , 1998, 188, 1859-1866.	8.5	278
10	Identity of cells that imprint H-2-restricted T-cell specificity in the thymus. <i>Nature</i> , 1986, 319, 672-675.	27.8	264
11	Antigen presenting function of class II MHC expressing pancreatic beta cells. <i>Nature</i> , 1988, 336, 476-479.	27.8	242
12	In Vivo Inhibition of CC and CX3C Chemokine-induced Leukocyte Infiltration and Attenuation of Glomerulonephritis in Wistar-Kyoto (WKY) Rats by vMIP-II. <i>Journal of Experimental Medicine</i> , 1998, 188, 193-198.	8.5	240
13	Peripheral tolerance to an islet cell-specific hemagglutinin transgene affects both CD4+ and CD8+ T cells. <i>European Journal of Immunology</i> , 1992, 22, 1013-1022.	2.9	228
14	T-cell tolerance by clonal anergy in transgenic mice with nonlymphoid expression of MHC class II I-E. <i>Nature</i> , 1989, 342, 564-566.	27.8	225
15	Mucosal Vaccine Design and Delivery. <i>Annual Review of Biomedical Engineering</i> , 2012, 14, 17-46.	12.3	182
16	Cutting Edge: Ectopic Expression of the Chemokine TCA4/SLC Is Sufficient to Trigger Lymphoid Neogenesis. <i>Journal of Immunology</i> , 2000, 164, 3955-3959.	0.8	179
17	A novel MHC class II epitope expressed in thymic medulla but not cortex. <i>Nature</i> , 1989, 338, 765-768.	27.8	168
18	Claudin 4-targeted protein incorporated into PLGA nanoparticles can mediate M cell targeted delivery. <i>Journal of Controlled Release</i> , 2010, 142, 196-205.	9.9	122

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19	NIK-dependent RelB Activation Defines a Unique Signaling Pathway for the Development of VÎ±14i NKT Cells. <i>Journal of Experimental Medicine</i> , 2003, 197, 1623-1633.	8.5	115
20	M Cells: Intelligent Engineering of Mucosal Immune Surveillance. <i>Frontiers in Immunology</i> , 2019, 10, 1499.	4.8	115
21	Infertility in Male Transgenic Mice: Disruption of Sperm Development by HSV-tk Expression in Postmeiotic Germ Cells1. <i>Biology of Reproduction</i> , 1990, 43, 684-693.	2.7	105
22	Disproportionate Recruitment of CD8+ T Cells into the Central Nervous System by Professional Antigen-Presenting Cells. <i>American Journal of Pathology</i> , 1999, 154, 481-494.	3.8	102
23	A Ligand for the Chemokine Receptor CCR7 Can Influence the Homeostatic Proliferation of CD4 T Cells and Progression of Autoimmunity. <i>Journal of Immunology</i> , 2001, 167, 6724-6730.	0.8	97
24	Antigen-presenting cells in adoptively transferred and spontaneous autoimmune diabetes. <i>European Journal of Immunology</i> , 1993, 23, 1693-1698.	2.9	95
25	Integrating innate and adaptive immunity in the whole animal. <i>Immunological Reviews</i> , 1999, 169, 225-239.	6.0	89
26	Functions of Purified L3T4+ and Lyt-2+ Cells in vitro and in vivo. <i>Immunological Reviews</i> , 1986, 91, 195-218.	6.0	86
27	Expression of mouse IgA by transgenic mice, pigs and sheep. <i>European Journal of Immunology</i> , 1991, 21, 1001-1006.	2.9	83
28	Induction of MHC-restricted specificity and tolerance in the thymus. <i>Immunologic Research</i> , 1986, 5, 221-232.	2.9	78
29	Cell culture modeling of specialized tissue: identification of genes expressed specifically by follicle-associated epithelium of Peyer's patch by expression profiling of Caco-2/Raji co-cultures. <i>International Immunology</i> , 2004, 16, 91-99.	4.0	77
30	Among naive precursor cell subpopulations only progenitors of memory B cells originate germinal centers. <i>European Journal of Immunology</i> , 1992, 22, 1293-1297.	2.9	72
31	RelB Modulation of Î²2-Microglobulin Stability as a Mechanism of Transcription Suppression of Interleukin-1Î± (IL-1Î±), IL-1Î², and Tumor Necrosis Factor Alpha in Fibroblasts. <i>Molecular and Cellular Biology</i> , 1999, 19, 7688-7696.	2.3	69
32	Peptidoglycan recognition protein expression in mouse Peyer's Patch follicle associated epithelium suggests functional specialization. <i>Cellular Immunology</i> , 2003, 224, 8-16.	3.0	67
33	Convergent and Divergent Development among M Cell Lineages in Mouse Mucosal Epithelium. <i>Journal of Immunology</i> , 2011, 187, 5277-5285.	0.8	67
34	Structural Constraints for the Binding of Short Peptides to Claudin-4 Revealed by Surface Plasmon Resonance. <i>Journal of Biological Chemistry</i> , 2008, 283, 30585-30595.	3.4	59
35	On the various manifestations of spontaneous autoimmune diabetes in rodent models. <i>European Journal of Immunology</i> , 1994, 24, 3155-3160.	2.9	52
36	Using thymus anatomy to dissect T cell repertoire selection. <i>Seminars in Immunology</i> , 1999, 11, 65-70.	5.6	52

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37	Defective CD8+ T Cell Peripheral Tolerance in Nonobese Diabetic Mice. <i>Journal of Immunology</i> , 2001, 167, 1112-1117.	0.8	50
38	Thymic skewing of the CD4/CD8 ratio maps with the T-cell receptor $\hat{\alpha}$ -chain locus. <i>Current Biology</i> , 1998, 8, 701-53.	3.9	49
39	CNS-derived CCL21 is both sufficient to drive homeostatic CD4+ T cell proliferation and necessary for efficient CD4+ T cell migration into the CNS parenchyma following <i>Toxoplasma gondii</i> infection. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 883-896.	4.1	49
40	M cell targeting by a Claudin 4 targeting peptide can enhance mucosal IgA responses. <i>BMC Biotechnology</i> , 2012, 12, 7.	3.3	49
41	IMMUNOLOGY: The Push-Me Pull-You of T Cell Activation. <i>Science</i> , 2001, 293, 618-619.	12.6	49
42	Lymphotoxin- $\hat{\alpha}$ - and Lymphotoxin- $\hat{\alpha}$ 2-Deficient Mice Differ in Susceptibility to Scrapie: Evidence against Dendritic Cell Involvement in Neuroinvasion. <i>Journal of Virology</i> , 2002, 76, 4357-4363.	3.4	47
43	Potent effects of low levels of MHC class II-associated invariant chain on CD4+ T cell development. <i>Immunity</i> , 1995, 3, 359-372.	14.3	46
44	Thymic stromal cell specialization and the T-cell receptor repertoire. <i>Immunologic Research</i> , 1997, 16, 3-14.	2.9	45
45	Intranasal M Cell Uptake of Nanoparticles Is Independently Influenced by Targeting Ligands and Buffer Ionic Strength. <i>Journal of Biological Chemistry</i> , 2010, 285, 23739-23746.	3.4	45
46	Thymocytes and RelB-dependent medullary epithelial cells provide growth-promoting and organization signals, respectively, to thymic medullary stromal cells. <i>European Journal of Immunology</i> , 1997, 27, 1392-1397.	2.9	43
47	CD8 $\hat{\alpha}$ ± and CD11b+ Dendritic Cell-Restricted MHC Class II Controls Th1 CD4+ T Cell Immunity. <i>Journal of Immunology</i> , 2003, 171, 5077-5084.	0.8	43
48	Induction of Colonic M Cells during Intestinal Inflammation. <i>American Journal of Pathology</i> , 2016, 186, 1166-1179.	3.8	41
49	Epithelial Microvilli Establish an Electrostatic Barrier to Microbial Adhesion. <i>Infection and Immunity</i> , 2014, 82, 2860-2871.	2.2	40
50	Antigen presentation by keratinocytes directs autoimmune skin disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3386-3391.	7.1	39
51	T-Cell Receptor Transgenic Response to an Endogenous Polymorphic Autoantigen Determines Susceptibility to Diabetes. <i>Diabetes</i> , 2004, 53, 978-988.	0.6	36
52	Peripheral Tolerance in Transgenic Mice: Tolerance to Class II MHC and non-MHC Transgene Antigens. <i>Immunological Reviews</i> , 1991, 122, 87-102.	6.0	34
53	CD137 Is Required for M Cell Functional Maturation but Not Lineage Commitment. <i>American Journal of Pathology</i> , 2010, 177, 666-676.	3.8	34
54	TNFR and LT $\hat{\alpha}$ 2R agonists induce follicle-associated epithelium and M cell specific genes in rat and human intestinal epithelial cells. <i>Cytokine</i> , 2009, 47, 69-76.	3.2	33

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55	M cell-derived vesicles suggest a unique pathway for trans-epithelial antigen delivery. <i>Tissue Barriers</i> , 2015, 3, e1004975.	3.2	33
56	Transgenic Expression of Ly-49A in Thymocytes Alters Repertoire Selection. <i>Journal of Immunology</i> , 2000, 164, 884-892.	0.8	32
57	Quantitative analysis of T cell homeostatic proliferation. <i>Cellular Immunology</i> , 2007, 250, 40-54.	3.0	31
58	Analysis of Microglial Gene Expression. <i>Molecular Diagnosis and Therapy</i> , 2004, 4, 321-330.	3.3	29
59	Prostaglandin E2 Enhancement of Interferon- $\gamma$ Production by Antigen-Stimulated Type 1 Helper T Cells. <i>Cellular Immunology</i> , 1999, 194, 21-27.	3.0	27
60	Vigilance or Subversion? Constitutive and Inducible M Cells in Mucosal Tissues. <i>Trends in Immunology</i> , 2018, 39, 185-195.	6.8	27
61	Microencapsulation of Vaccine Antigens and Adjuvants for Mucosal Targeting. <i>Current Immunology Reviews</i> , 2010, 6, 29-37.	1.2	26
62	DNA immunization in $\mu$ B-deficient mice discloses a role for dendritic cells in IgM to IgG1 switching <i>in vivo</i> . <i>European Journal of Immunology</i> , 1998, 28, 516-524.	2.9	25
63	Enhancement by vasoactive intestinal peptide of $\gamma$ interferon production by antigen-stimulated type 1 helper T cells. <i>FASEB Journal</i> , 1999, 13, 347-353.	0.5	24
64	The Density of the Class II MHC T Cell Receptor Ligand Influences IFN- $\gamma$ /IL-4 Ratios in Immune Responses <i>in Vivo</i> . <i>Cellular Immunology</i> , 1998, 183, 70-79.	3.0	23
65	Necdin and E2F4 Are Modulated by Rosiglitazone Therapy in Diabetic Human Adipose and Muscle Tissue. <i>Diabetes</i> , 2006, 55, 640-650.	0.6	23
66	Protein Nanoparticle Hydrogels That Self-assemble in Response to Peptide-Based Molecular Recognition. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 750-756.	5.2	22
67	Novel Mechanical Strain Characterization of Ventilated <i>ex vivo</i> Porcine and Murine Lung using Digital Image Correlation. <i>Frontiers in Physiology</i> , 2020, 11, 600492.	2.8	22
68	Hematopoietic cell-derived RELM $\beta$ regulates hookworm immunity through effects on macrophages. <i>Journal of Leukocyte Biology</i> , 2018, 104, 855-869.	3.3	21
69	Expression Profiling and QTL Analysis: a Powerful Complementary Strategy in Drug Abuse Research. <i>Addiction Biology</i> , 2005, 10, 47-51.	2.6	20
70	Hybrid flagellin as a T cell independent vaccine scaffold. <i>BMC Biotechnology</i> , 2015, 15, 71.	3.3	20
71	Transgenic mice expressing MHC class II molecules with truncated A $\beta$ cytoplasmic domains reveal signaling-independent defects in antigen presentation. <i>International Immunology</i> , 1995, 7, 665-677.	4.0	19
72	CD4 T cell priming in dendritic cell-deficient mice. <i>International Immunology</i> , 2003, 15, 127-136.	4.0	19

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73	Immunological memory after somatic transgene immunization is positively affected by priming with GM-CSF and does not require bone marrow-derived dendritic cells. <i>European Journal of Immunology</i> , 1998, 28, 1832-1838.	2.9	18
74	Jagged1 and Notch1 help edit M cell patterning in Peyer's patch follicle epithelium. <i>Developmental and Comparative Immunology</i> , 2012, 37, 306-312.	2.3	18
75	Discrimination between thymic epithelial cells and peripheral antigen-presenting cells in the induction of immature T cell differentiation. <i>Immunity</i> , 1994, 1, 385-391.	14.3	17
76	A role for the transcription factor RelB in IFN- $\gamma$ production and in IFN- $\gamma$ -stimulated cross-priming. <i>European Journal of Immunology</i> , 2006, 36, 2085-2093.	2.9	17
77	Antigen Presentation in MHC Class II Transgenic Mice: Stimulation versus Tolerization. <i>Immunological Reviews</i> , 1990, 117, 121-134.	6.0	15
78	T-cell tolerance. <i>Current Opinion in Immunology</i> , 1992, 4, 711-715.	5.5	15
79	A New Generation of Potent Complement Inhibitors of the Compstatin Family. <i>Chemical Biology and Drug Design</i> , 2011, 77, 431-440.	3.2	14
80	Regulation of CD4 T Cell Reactivity to Self and Non-Self. <i>International Reviews of Immunology</i> , 1995, 13, 147-160.	3.3	13
81	TOGA analysis of gene expression to accelerate target development. <i>European Journal of Pharmaceutical Sciences</i> , 2001, 14, 191-196.	4.0	13
82	Standardized quantitative in situ hybridization using radioactive oligonucleotide probes for detecting relative levels of mRNA transcripts verified by real-time PCR. <i>Brain Research</i> , 2004, 1000, 211-222.	2.2	13
83	Perspective is everything: An irreverent discussion of CNS-immune system interactions as viewed from different scientific traditions. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 367-373.	4.1	13
84	Bacterial Particle Endocytosis by Epithelial Cells Is Selective and Enhanced by Tumor Necrosis Factor Receptor Ligands. <i>Vaccine Journal</i> , 2009, 16, 397-407.	3.1	13
85	Molecular Mechanism of Biased Ligand Conformational Changes in CC Chemokine Receptor 7. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 1808-1822.	5.4	13
86	Continuous Inhalation Exposure to Fungal Allergen Particulates Induces Lung Inflammation While Reducing Innate Immune Molecule Expression in the Brainstem. <i>ASN Neuro</i> , 2018, 10, 175909141878230.	2.7	13
87	A randomized trial of a lab-embedded discourse intervention to improve research ethics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1389-1394.	7.1	13
88	Expression of Immunoglobulin Genes in Transgenic Mice and Transfected Cells. <i>Annals of the New York Academy of Sciences</i> , 1988, 546, 51-56.	3.8	12
89	Catching target receptors for drug and vaccine delivery using TOGA <sup>®</sup> gene expression profiling. <i>Advanced Drug Delivery Reviews</i> , 2002, 54, 1213-1223.	13.7	11
90	Protection against Diabetes by MHC Heterozygosity and Reversal by Cyclophosphamide. <i>Cellular Immunology</i> , 1998, 184, 112-120.	3.0	10

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91	Inducible Colonic M Cells Are Dependent on TNFR2 but Not Lt $\hat{1}$ <sup>2</sup> r, Identifying Distinct Signalling Requirements for Constitutive Versus Inducible M Cells. <i>Journal of Crohn's and Colitis</i> , 2016, 11, jjw212.	1.3	10
92	Intravital Multiphoton Examination of Implant-Associated <i>Staphylococcus aureus</i> Biofilm Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 574092.	3.9	9
93	ANIMAL MODELS OF HUMAN DISEASE. Transgenic and Knockout Models of Autoimmunity: Building a Better Disease?. <i>Clinical Immunology and Immunopathology</i> , 1996, 79, 96-104.	2.0	8
94	Salton Sea aerosol exposure in mice induces a pulmonary response distinct from allergic inflammation. <i>Science of the Total Environment</i> , 2021, 792, 148450.	8.0	8
95	Induction and effector phase of allergic lung inflammation is independent of CCL21/CCL19 and LT-beta. <i>International Journal of Medical Sciences</i> , 2009, 6, 85-92.	2.5	7
96	CD137 signaling enhances tight junction resistance in intestinal epithelial cells. <i>Physiological Reports</i> , 2014, 2, e12090.	1.7	7
97	I-E transgenic mice: A model system to dissect the regulation and function of MHC class II genes in vivo. <i>Immunologic Research</i> , 1990, 9, 34-46.	2.9	6
98	Crosslinked flagella as a stabilized vaccine adjuvant scaffold. <i>BMC Biotechnology</i> , 2019, 19, 48.	3.3	6
99	Establishment and characterization of a multi-purpose large animal exposure chamber for investigating health effects. <i>Review of Scientific Instruments</i> , 2019, 90, 035115.	1.3	6
100	Acute Immune Response of Micro- and Nanosized Erythrocyte-Derived Optical Particles in Healthy Mice. <i>Molecular Pharmaceutics</i> , 2020, 17, 3900-3914.	4.6	6
101	Immune Regulation: Susceptibility and Resistance to Autoimmunity. <i>Immunologic Research</i> , 2000, 21, 239-246.	2.9	4
102	The drying Salton Sea and asthma: A perspective on a "natural" disaster. <i>California Agriculture</i> , 2022, 76, 27-36.	0.8	4
103	Mucosal vaccine delivery: is M cell-targeted delivery effective in the mucosal lumen?. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 157-161.	5.0	3
104	Open system gene expression profiling and identification of novel genes for targeted vaccine delivery. <i>Expert Review of Vaccines</i> , 2002, 1, 95-100.	4.4	1
105	Chronic Inflammation in Mucosal Tissues: Barrier Integrity, Inducible Lymphoid Tissues, and Immune Surveillance. <i>Current Topics in Microbiology and Immunology</i> , 2020, 426, 45-63.	1.1	1
106	CCR7 Signaling Promotes T Cell Survival and Proliferation. <i>FASEB Journal</i> , 2008, 22, 385-385.	0.5	1
107	Exploiting immune surveillance mechanisms in mucosal vaccine development. <i>Expert Opinion on Biological Therapy</i> , 2004, 4, 397-406.	3.1	0
108	Selective Targeting of Tumour Necrosis Factor Receptor 1 Induces Stable Protection from Crohn's-Like Ileitis in TNF $\hat{1}$ ARE Mice. <i>Journal of Crohn's and Colitis</i> , 2021, , .	1.3	0