

Timothy Luke Denning

List of Publications by Year in descending order

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89
papers

6,724
citations

76326
40
h-index

79698
73
g-index

89
all docs

89
docs citations

89
times ranked

11207
citing authors

#	ARTICLE	IF	CITATIONS
1	Lamina propria macrophages and dendritic cells differentially induce regulatory and interleukin 17-producing T cell responses. <i>Nature Immunology</i> , 2007, 8, 1086-1094.	14.5	932
2	Yeast zymosan, a stimulus for TLR2 and dectin-1, induces regulatory antigen-presenting cells and immunological tolerance. <i>Journal of Clinical Investigation</i> , 2006, 116, 916-928.	8.2	469
3	Thymus-derived regulatory T cells contribute to tolerance to commensal microbiota. <i>Nature</i> , 2013, 497, 258-262.	27.8	333
4	Functional Specializations of Intestinal Dendritic Cell and Macrophage Subsets That Control Th17 and Regulatory T Cell Responses Are Dependent on the T Cell/APC Ratio, Source of Mouse Strain, and Regional Localization. <i>Journal of Immunology</i> , 2011, 187, 733-747.	0.8	290
5	Toll-like receptor 2-dependent induction of vitamin A-metabolizing enzymes in dendritic cells promotes T regulatory responses and inhibits autoimmunity. <i>Nature Medicine</i> , 2009, 15, 401-409.	30.7	277
6	CX3CR1 regulates intestinal macrophage homeostasis, bacterial translocation, and colitogenic Th17 responses in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 4787-4795.	8.2	262
7	Wound repair: role of immune-epithelial interactions. <i>Mucosal Immunology</i> , 2015, 8, 959-968.	6.0	224
8	Prevention and cure of rotavirus infection via TLR5/NLRC4-mediated production of IL-22 and IL-18. <i>Science</i> , 2014, 346, 861-865.	12.6	188
9	Division of labor, plasticity, and crosstalk between dendritic cell subsets. <i>Current Opinion in Immunology</i> , 2008, 20, 61-67.	5.5	145
10	Macrophage-derived IL-10 mediates mucosal repair by epithelial WISP-1 signaling. <i>Journal of Clinical Investigation</i> , 2017, 127, 3510-3520.	8.2	140
11	ERK1/2 Mice Exhibit Th1 Cell Polarization and Increased Susceptibility to Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2006, 176, 5788-5796.	0.8	136
12	Mouse TCR β ^{hi} CD8 α ^{hi} Intraepithelial Lymphocytes Express Genes That Down-Regulate Their Antigen Reactivity and Suppress Immune Responses. <i>Journal of Immunology</i> , 2007, 178, 4230-4239.	0.8	132
13	Pulmonary antigen encounter regulates the establishment of tissue-resident CD8 memory T cells in the lung airways and parenchyma. <i>Mucosal Immunology</i> , 2018, 11, 1071-1078.	6.0	131
14	Compromised Intestinal Epithelial Barrier Induces Adaptive Immune Compensation that Protects from Colitis. <i>Immunity</i> , 2012, 37, 563-573.	14.3	123
15	Fab'-bearing siRNA TNF α -loaded nanoparticles targeted to colonic macrophages offer an effective therapy for experimental colitis. <i>Journal of Controlled Release</i> , 2014, 186, 41-53.	9.9	123
16	Differential Induction of Interleukin-10 and Interleukin-12 in Dendritic Cells by Microbial Toll-Like Receptor Activators and Skewing of T-Cell Cytokine Profiles. <i>Infection and Immunity</i> , 2003, 71, 3337-3342.	2.2	121
17	Cutting Edge: CD4 ⁺ CD25 ⁺ Regulatory T Cells Impaired for Intestinal Homing Can Prevent Colitis. <i>Journal of Immunology</i> , 2005, 174, 7487-7491.	0.8	119
18	Oxidative stress induces the expression of Fas and Fas ligand and apoptosis in murine intestinal epithelial cells. <i>Free Radical Biology and Medicine</i> , 2002, 33, 1641-1650.	2.9	114

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19	Hepatic Stellate Cells Preferentially Induce Foxp3+ Regulatory T Cells by Production of Retinoic Acid. <i>Journal of Immunology</i> , 2013, 190, 2009-2016.	0.8	112
20	Cutting Edge: IL-36 Receptor Promotes Resolution of Intestinal Damage. <i>Journal of Immunology</i> , 2016, 196, 34-38.	0.8	108
21	The Wnt Antagonist Dkk1 Regulates Intestinal Epithelial Homeostasis and Wound Repair. <i>Gastroenterology</i> , 2011, 141, 259-268.e8.	1.3	105
22	Negative Selection of T Cells by <i>Helicobacter pylori</i> as a Model for Bacterial Strain Selection by Immune Evasion. <i>Journal of Immunology</i> , 2001, 167, 926-934.	0.8	99
23	TNF α gene silencing mediated by orally targeted nanoparticles combined with interleukin-22 for synergistic combination therapy of ulcerative colitis. <i>Journal of Controlled Release</i> , 2018, 287, 235-246.	9.9	96
24	Expression of IL-10 receptors on epithelial cells from the murine small and large intestine. <i>International Immunology</i> , 2000, 12, 133-139.	4.0	94
25	IL-36 β Transforms the Tumor Microenvironment and Promotes Type 1 Lymphocyte-Mediated Antitumor Immune Responses. <i>Cancer Cell</i> , 2015, 28, 296-306.	16.8	93
26	IL-17A-mediated neutrophil recruitment limits expansion of segmented filamentous bacteria. <i>Mucosal Immunology</i> , 2017, 10, 673-684.	6.0	91
27	Targeting Intestinal Inflammation With CD98 siRNA/PEI α -loaded Nanoparticles. <i>Molecular Therapy</i> , 2014, 22, 69-80.	8.2	90
28	A cytokine network involving IL-36 β , IL-23, and IL-22 promotes antimicrobial defense and recovery from intestinal barrier damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5076-E5085.	7.1	87
29	<i>Helicobacter pylori</i> and H2O2 increase AP endonuclease-1/redox factor-1 expression in human gastric epithelial cells. <i>Gastroenterology</i> , 2004, 127, 845-858.	1.3	82
30	IL-36 β signaling controls the induced regulatory T cell α Th9 cell balance via NF κ B activation and STAT transcription factors. <i>Mucosal Immunology</i> , 2017, 10, 1455-1467.	6.0	78
31	Pathogenesis of NEC: Role of the innate and adaptive immune response. <i>Seminars in Perinatology</i> , 2017, 41, 15-28.	2.5	78
32	PTH induces bone loss via microbial-dependent expansion of intestinal TNF+ T cells and Th17 cells. <i>Nature Communications</i> , 2020, 11, 468.	12.8	78
33	Segmented filamentous bacteria α induced immune responses: a balancing act between host protection and autoimmunity. <i>Immunology</i> , 2018, 154, 537-546.	4.4	60
34	Tbet and IL-36 β cooperate in therapeutic DC-mediated promotion of ectopic lymphoid organogenesis in the tumor microenvironment. <i>Oncolimmunology</i> , 2017, 6, e1322238.	4.6	59
35	Matrix metalloproteinase MMP9 maintains epithelial barrier function and preserves mucosal lining in colitis associated cancer. <i>Oncotarget</i> , 2017, 8, 94650-94665.	1.8	58
36	Isolation and Characterization of Dendritic Cells and Macrophages from the Mouse Intestine. <i>Journal of Visualized Experiments</i> , 2012, , e4040.	0.3	54

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37	Internalization of Garlic-Derived Nanovesicles on Liver Cells is Triggered by Interaction With CD98. ACS Omega, 2020, 5, 23118-23128.	3.5	49
38	Negative Regulation of T Cell Activation and Autoimmunity by the Transmembrane Adaptor Protein LAB. Immunity, 2006, 25, 757-768.	14.3	46
39	Neutrophil-derived JAML inhibits repair of intestinal epithelial injury during acute inflammation. Mucosal Immunology, 2014, 7, 1221-1232.	6.0	46
40	Lactobacillus rhamnosus (LGG) Regulates IL-10 Signaling in the Developing Murine Colon through Upregulation of the IL-10R2 Receptor Subunit. PLoS ONE, 2012, 7, e51955.	2.5	46
41	“Western Diet”-Induced Adipose Inflammation Requires a Complex Gut Microbiota. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 313-333.	4.5	45
42	Small Intestinal Intraepithelial TCR α^+ T Lymphocytes Are Present in the Premature Intestine but Selectively Reduced in Surgical Necrotizing Enterocolitis. PLoS ONE, 2014, 9, e99042.	2.5	44
43	IL-36 β Protects against Severe Influenza Infection by Promoting Lung Alveolar Macrophage Survival and Limiting Viral Replication. Journal of Immunology, 2018, 201, 573-582.	0.8	43
44	Intestinal Antigen-Presenting Cells. American Journal of Pathology, 2015, 185, 1809-1819.	3.8	42
45	Specific Microbiota-Induced Intestinal Th17 Differentiation Requires MHC Class II but Not GALT and Mesenteric Lymph Nodes. Journal of Immunology, 2014, 193, 431-438.	0.8	40
46	Effects of MF59 Adjuvant on Induction of Isotype-Switched IgG Antibodies and Protection after Immunization with T-Dependent Influenza Virus Vaccine in the Absence of CD4 ⁺ T Cells. Journal of Virology, 2016, 90, 6976-6988.	3.4	39
47	Enhanced immune responses by skin vaccination with influenza subunit vaccine in young hosts. Vaccine, 2015, 33, 4675-4682.	3.8	38
48	Erythroid differentiation regulator-1 induced by microbiota in early life drives intestinal stem cell proliferation and regeneration. Nature Communications, 2020, 11, 513.	12.8	38
49	The role of the vascular dendritic cell network in atherosclerosis. American Journal of Physiology - Cell Physiology, 2013, 305, C1-C21.	4.6	36
50	Harnessing Regulatory T Cells for the Treatment of Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2015, 21, 1.	1.9	36
51	Staphylococcal Enterotoxin B Stimulates Expansion of Autoreactive T Cells That Induce Apoptosis in Intestinal Epithelial Cells: Regulation of Autoreactive Responses by IL-10. Journal of Immunology, 2000, 164, 2994-3001.	0.8	28
52	Autotaxin determines colitis severity in mice and is secreted by B cells in the colon. FASEB Journal, 2019, 33, 3623-3635.	0.5	28
53	Macrophage-dependent neutrophil recruitment is impaired under conditions of increased intestinal permeability in JAM-A-deficient mice. Mucosal Immunology, 2019, 12, 668-678.	6.0	27
54	Macrophage Isolation from the Mouse Small and Large Intestine. Methods in Molecular Biology, 2016, 1422, 171-180.	0.9	24

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55	IL-36 cytokines and gut immunity. Immunology, 2021, 163, 145-154.	4.4	24
56	Early-Life Microbiota Exposure Restricts Myeloid-Derived Suppressor Cell-Driven Colonic Tumorigenesis. Cancer Immunology Research, 2019, 7, 544-551.	3.4	23
57	Acquired alkylating drug resistance of a human ovarian carcinoma cell line is unaffected by altered levels of pro- and anti-apoptotic proteins. Oncogene, 2000, 19, 141-150.	5.9	22
58	IFN- β -induced suppression of β -catenin signaling: evidence for roles of Akt and 14.3.3 η . Molecular Biology of the Cell, 2014, 25, 2894-2904.	2.1	22
59	Self and microbiota-derived epitopes induce CD4+ T cell anergy and conversion into CD4+Foxp3+ regulatory cells. Mucosal Immunology, 2021, 14, 443-454.	6.0	19
60	CD4+ Th Cells Resembling Regulatory T Cells That Inhibit Chronic Colitis Differentiate in the Absence of Interactions Between CD4 and Class II MHC. Journal of Immunology, 2003, 171, 2279-2286.	0.8	18
61	CD98 siRNA-loaded nanoparticles decrease hepatic steatosis in mice. Digestive and Liver Disease, 2017, 49, 188-196.	0.9	16
62	IL-36R signaling integrates innate and adaptive immune-mediated protection against enteropathogenic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27540-27548.	7.1	15
63	The Role of CD4 in Regulating Homeostasis of T Helper Cells. Immunologic Research, 2002, 25, 115-130.	2.9	14
64	Contribution of Mesenteric Lymph Nodes and GALT to the Intestinal Foxp3+ Regulatory T-Cell Compartment. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 274-280.e3.	4.5	14
65	Combined IL-2 Immunocomplex and Anti-IL-5 mAb Treatment Expands Foxp3+ Treg Cells in the Absence of Eosinophilia and Ameliorates Experimental Colitis. Frontiers in Immunology, 2019, 10, 459.	4.8	13
66	A2BAR expression in non-immune cells plays an important role in the development of murine colitis. Digestive and Liver Disease, 2012, 44, 819-826.	0.9	10
67	Neutrophils enlist IL-22 to restore order in the gut. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12509-12510.	7.1	10
68	Phenotypic and functional profiling of mouse intestinal antigen presenting cells. Journal of Immunological Methods, 2015, 421, 20-26.	1.4	9
69	Advances in understanding the interaction between the gut microbiota and adaptive mucosal immune responses. F1000 Biology Reports, 2010, 2, .	4.0	7
70	Segmented Filamentous Bacteria Shape Intestinal Immunity. Gastroenterology, 2010, 139, 351-353.	1.3	5
71	Mucosal Macrophages in Defense and Regulation. , 2015, , 543-556.		3
72	Epithelial Traffic Control: IL22 Gives TA Cells the Green Light. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 409-410.	4.5	2

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73	Adenosine Triphosphate Energizes Intestinal TH17 Cells. <i>Gastroenterology</i> , 2009, 136, 1107-1109.	1.3	1
74	19 NOTCH1 MEDIATES PROTECTION IN COLITIS ASSOCIATED CANCER. <i>Gastroenterology</i> , 2018, 154, S42.	1.3	1
75	<i>Helicobacter pylori</i> negatively selects T cell responses through Fas/Fas ligand interactions. <i>Gastroenterology</i> , 2000, 118, A171.	1.3	0
76	M1829 Colonic Mucosal A2BR Mediates Pro-Inflammatory Events. <i>Gastroenterology</i> , 2010, 138, S-427.	1.3	0
77	O-031 The Complex Role of IL-36 β during Intestinal Inflammation. <i>Inflammatory Bowel Diseases</i> , 2013, 19, S17.	1.9	0
78	Moving Beyond the Mouse: Key New Insight Into Human Colonic Dendritic Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 3-4.	4.5	0
79	MMP9 Favors Microbiota Adherence and Modulates ROS Levels to Maintain Genomic Stability in Colitis Associated Cancer. <i>Gastroenterology</i> , 2017, 152, S12.	1.3	0
80	19 NOTCH1 MEDIATES PROTECTION IN COLITIS ASSOCIATED CANCER. <i>Inflammatory Bowel Diseases</i> , 2018, 24, S29-S30.	1.9	0
81	Increased intestinal permeability results in B/T cell mediated responses that protect from development of colitis. <i>FASEB Journal</i> , 2010, 24, 348.4.	0.5	0
82	Mechanisms of Junctional Adhesion Molecule-1 (JAM-1)-mediated neutrophil recruitment during inflammation. <i>FASEB Journal</i> , 2011, 25, 116.4.	0.5	0
83	CX3CR1 regulates intestinal macrophage homeostasis, bacterial translocation and colitogenic TH17 responses in mice. <i>FASEB Journal</i> , 2012, 26, 136.9.	0.5	0
84	Compromised intestinal barrier induces adaptive immune responses that protect from colitis. <i>FASEB Journal</i> , 2012, 26, 136.6.	0.5	0
85	Secondary lymphoid organs and CCR7 are dispensable for intestinal Th17 and Foxp3+ Treg cell differentiation. <i>FASEB Journal</i> , 2012, 26, 136.4.	0.5	0
86	Microbiota-Dependent Th17 and Foxp3+ Regulatory T Cell Differentiation in the Intestinal Lamina Propria. <i>FASEB Journal</i> , 2013, 27, 131.3.	0.5	0
87	The inflammatory cytokine IFN γ regulates intestinal epithelial homeostasis by controlling the spatiotemporal localization of Akt, 14.3.3 σ and β -catenin. <i>FASEB Journal</i> , 2013, 27, 256.9.	0.5	0
88	Intestinal Macrophages: Specialized Antigen-Presenting Cells at the Front Line. , 2014, , 249-265.		0
89	Luminal bacteria coated with IgA and IgG during intestinal inflammation as a new and abundant stimulus for colonic macrophages. <i>Immunology</i> , 0, , .	4.4	0