

Lena Alexopoulou

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

20,177
citations

38720

50
h-index

74108

75
g-index

77
all docs

77
docs citations

77
times ranked

20301
citing authors

#	ARTICLE	IF	CITATIONS
1	Recognition of double-stranded RNA and activation of NF- κ B by Toll-like receptor 3. <i>Nature</i> , 2001, 413, 732-738.	13.7	5,463
2	Recognition of single-stranded RNA viruses by Toll-like receptor 7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5598-5603.	3.3	1,650
3	Immune and inflammatory responses in TNF alpha-deficient mice: a critical requirement for TNF alpha in the formation of primary B cell follicles, follicular dendritic cell networks and germinal centers, and in the maturation of the humoral immune response.. <i>Journal of Experimental Medicine</i> , 1996, 184, 1397-1411.	4.2	1,089
4	Toll-like receptor 3 mediates West Nile virus entry into the brain causing lethal encephalitis. <i>Nature Medicine</i> , 2004, 10, 1366-1373.	15.2	998
5	Toll-like receptors 9 and 3 as essential components of innate immune defense against mouse cytomegalovirus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3516-3521.	3.3	837
6	Toll-like receptor 3 promotes cross-priming to virus-infected cells. <i>Nature</i> , 2005, 433, 887-892.	13.7	801
7	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. <i>Nature</i> , 2003, 424, 324-328.	13.7	544
8	Toll-like receptor 9 controls anti-DNA autoantibody production in murine lupus. <i>Journal of Experimental Medicine</i> , 2005, 202, 321-331.	4.2	483
9	Detrimental Contribution of the Toll-Like Receptor (TLR)3 to Influenza A Virus-Induced Acute Pneumonia. <i>PLoS Pathogens</i> , 2006, 2, e53.	2.1	447
10	Upregulation of costimulatory molecules induced by lipopolysaccharide and double-stranded RNA occurs by Trif-dependent and Trif-independent pathways. <i>Nature Immunology</i> , 2003, 4, 1223-1229.	7.0	406
11	Predominant pathogenic role of tumor necrosis factor in experimental colitis in mice. <i>European Journal of Immunology</i> , 1997, 27, 1743-1750.	1.6	393
12	Hyporesponsiveness to vaccination with <i>Borrelia burgdorferi</i> OspA in humans and in TLR1- and TLR2-deficient mice. <i>Nature Medicine</i> , 2002, 8, 878-884.	15.2	379
13	Does Toll-like receptor 3 play a biological role in virus infections?. <i>Virology</i> , 2004, 322, 231-238.	1.1	328
14	Activation of mast cells by double-stranded RNA: evidence for activation through Toll-like receptor 3. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 114, 174-182.	1.5	314
15	Involvement of Toll-like receptor 5 in the recognition of flagellated bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12487-12492.	3.3	286
16	Skin-draining lymph nodes contain dermis-derived CD103 ⁺ dendritic cells that constitutively produce retinoic acid and induce Foxp3 ⁺ regulatory T cells. <i>Blood</i> , 2010, 115, 1958-1968.	0.6	286
17	Cutting Edge: Priming of NK Cells by IL-18. <i>Journal of Immunology</i> , 2008, 181, 1627-1631.	0.4	280
18	Brucella Control of Dendritic Cell Maturation Is Dependent on the TIR-Containing Protein Btp1. <i>PLoS Pathogens</i> , 2008, 4, e21.	2.1	253

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19	Interleukin-10 targets p38 MAPK to modulate ARE-dependent TNF mRNA translation and limit intestinal pathology. <i>EMBO Journal</i> , 2001, 20, 3760-3770.	3.5	222
20	Resurrection of endogenous retroviruses in antibody-deficient mice. <i>Nature</i> , 2012, 491, 774-778.	13.7	198
21	Toll-Like Receptor 3 Is a Potent Negative Regulator of Axonal Growth in Mammals. <i>Journal of Neuroscience</i> , 2007, 27, 13033-13041.	1.7	191
22	Peyer's patch organogenesis is intact yet formation of B lymphocyte follicles is defective in peripheral lymphoid organs of mice deficient for tumor necrosis factor and its 55-kDa receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 6319-6323.	3.3	188
23	TLR8 deficiency leads to autoimmunity in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 3651-62.	3.9	181
24	In vivo evidence for a functional role of both tumor necrosis factor (TNF) receptors and transmembrane TNF in experimental hepatitis. <i>European Journal of Immunology</i> , 1997, 27, 2870-2875.	1.6	177
25	Microglia Recognize Double-Stranded RNA via TLR3. <i>Journal of Immunology</i> , 2006, 176, 3804-3812.	0.4	174
26	Deletion of TLR3 Alters the Pulmonary Immune Environment and Mucus Production during Respiratory Syncytial Virus Infection. <i>Journal of Immunology</i> , 2006, 176, 1937-1942.	0.4	170
27	TNF- α transgenic and knockout models of CNS inflammation and degeneration. <i>Journal of Neuroimmunology</i> , 1997, 72, 137-141.	1.1	165
28	A West Nile Virus Recombinant Protein Vaccine That Coactivates Innate and Adaptive Immunity. <i>Journal of Infectious Diseases</i> , 2007, 195, 1607-1617.	1.9	163
29	Unexpected protective role for Toll-like receptor 3 in the arterial wall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2372-2377.	3.3	154
30	Toll-like receptor 3 is an essential component of the innate stress response in virus-induced cardiac injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H251-H258.	1.5	149
31	Long-term activation of TLR3 by Poly(I:C) induces inflammation and impairs lung function in mice. <i>Respiratory Research</i> , 2009, 10, 43.	1.4	147
32	Natural killer cell and macrophage cooperation in MyD88-dependent innate responses to <i>Plasmodium falciparum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14747-14752.	3.3	141
33	Tumor Necrosis Factor Receptors Types 1 and 2 Differentially Regulate Osteoclastogenesis. <i>Journal of Biological Chemistry</i> , 2000, 275, 27307-27310.	1.6	138
34	A murine transmembrane tumor necrosis factor (TNF) transgene induces arthritis by cooperative p55/p75 TNF receptor signaling. <i>European Journal of Immunology</i> , 1997, 27, 2588-2592.	1.6	135
35	TLR-Independent Induction of Dendritic Cell Maturation and Adaptive Immunity by Negative-Strand RNA Viruses. <i>Journal of Immunology</i> , 2004, 173, 6882-6889.	0.4	131
36	TLR8 on dendritic cells and TLR9 on B cells restrain TLR7-mediated spontaneous autoimmunity in C57BL/6 mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1497-1502.	3.3	121

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37	Cutting Edge: Overlapping Functions of TLR7 and TLR9 for Innate Defense against a Herpesvirus Infection. <i>Journal of Immunology</i> , 2008, 180, 5799-5803.	0.4	120
38	Transmembrane TNF protects mutant mice against intracellular bacterial infections, chronic inflammation and autoimmunity. <i>European Journal of Immunology</i> , 2006, 36, 2768-2780.	1.6	116
39	TLR3 Deletion Limits Mortality and Disease Severity due to Phlebovirus Infection. <i>Journal of Immunology</i> , 2006, 177, 6301-6307.	0.4	110
40	BtpB, a novel Brucella TIR-containing effector protein with immune modulatory functions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 28.	1.8	110
41	TLR3 Is Essential for the Induction of Protective Immunity against Punta Toro Virus Infection by the Double-Stranded RNA (dsRNA), Poly(I:C12U), but not Poly(I:C): Differential Recognition of Synthetic dsRNA Molecules. <i>Journal of Immunology</i> , 2007, 178, 5200-5208.	0.4	103
42	Double-Stranded RNA Induces Pancreatic β -Cell Apoptosis by Activation of the Toll-Like Receptor 3 and Interferon Regulatory Factor 3 Pathways. <i>Diabetes</i> , 2008, 57, 1236-1245.	0.3	91
43	Detrimental Contribution of the Immuno-Inhibitor B7-H1 to Rabies Virus Encephalitis. <i>Journal of Immunology</i> , 2008, 180, 7506-7515.	0.4	89
44	TLR3 and Rig-Like Receptor on Myeloid Dendritic Cells and Rig-Like Receptor on Human NK Cells Are Both Mandatory for Production of IFN- β in Response to Double-Stranded RNA. <i>Journal of Immunology</i> , 2010, 185, 2080-2088.	0.4	88
45	Arthritogenic Properties of Double-Stranded (Viral) RNA. <i>Journal of Immunology</i> , 2004, 172, 5656-5663.	0.4	87
46	The Role of Toll-Like Receptors 3 and 9 in the Development of Autoimmune Diabetes in NOD Mice. <i>Annals of the New York Academy of Sciences</i> , 2008, 1150, 146-148.	1.8	76
47	Plexin-B1 plays a redundant role during mouse development and in tumour angiogenesis. <i>BMC Developmental Biology</i> , 2007, 7, 55.	2.1	69
48	Multiple MyD88-dependent responses contribute to pulmonary clearance of <i>Legionella pneumophila</i> . <i>Cellular Microbiology</i> , 2009, 11, 21-36.	1.1	66
49	Complementation of Lymphotoxin β Knockout Mice with Tumor Necrosis Factor- α -expressing Transgenes Rectifies Defective Splenic Structure and Function. <i>Journal of Experimental Medicine</i> , 1998, 188, 745-754.	4.2	54
50	Tumour necrosis factors in immune regulation: Everything that's interesting is $\hat{=}$ New!. <i>Cytokine and Growth Factor Reviews</i> , 1996, 7, 223-229.	3.2	50
51	The Pore-Forming Toxin β hemolysin/cytolysin Triggers p38 MAPK-Dependent IL-10 Production in Macrophages and Inhibits Innate Immunity. <i>PLoS Pathogens</i> , 2012, 8, e1002812.	2.1	47
52	Role of Toll-Like Receptor 13 in Innate Immune Recognition of Group B Streptococci. <i>Infection and Immunity</i> , 2014, 82, 5013-5022.	1.0	44
53	Type I Interferon Induction Is Detrimental during Infection with the Whipple's Disease Bacterium, <i>Tropheryma whippelii</i> . <i>PLoS Pathogens</i> , 2010, 6, e1000722.	2.1	42
54	Dissection of the pathologies induced by transmembrane and wild-type tumor necrosis factor in transgenic mice. <i>Journal of Leukocyte Biology</i> , 1996, 59, 518-525.	1.5	41

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55	Inflammatory Regulation by TLR3 in Acute Hepatitis. <i>Journal of Immunology</i> , 2009, 183, 3712-3719.	0.4	40
56	Innate Immune Response to <i>Streptococcus pyogenes</i> Depends on the Combined Activation of TLR13 and TLR2. <i>PLoS ONE</i> , 2015, 10, e0119727.	1.1	37
57	Sex Bias in Susceptibility to MCMV Infection: Implication of TLR9. <i>PLoS ONE</i> , 2012, 7, e45171.	1.1	37
58	Contribution of TLR7 and TLR9 signaling to the susceptibility of MyD88-deficient mice to myocarditis. <i>Autoimmunity</i> , 2010, 43, 275-287.	1.2	35
59	Long-term culture-expanded alveolar macrophages restore their full epigenetic identity after transfer in vivo. <i>Nature Immunology</i> , 2022, 23, 458-468.	7.0	35
60	Expansion and Function of CD8+ T Cells Expressing Ly49 Inhibitory Receptors Specific for MHC Class I Molecules. <i>Journal of Immunology</i> , 2004, 173, 3773-3782.	0.4	33
61	TLR sensing of bacterial spore-associated RNA triggers host immune responses with detrimental effects. <i>Journal of Experimental Medicine</i> , 2017, 214, 1297-1311.	4.2	33
62	Innate Immunity and Apoptosis in IBD. <i>Inflammatory Bowel Diseases</i> , 2004, 10, S58-S62.	0.9	32
63	Lupus Autoimmunity and Metabolic Parameters Are Exacerbated Upon High Fat Diet-Induced Obesity Due to TLR7 Signaling. <i>Frontiers in Immunology</i> , 2019, 10, 2015.	2.2	30
64	Protective role of membrane tumour necrosis factor in the host's resistance to mycobacterial infection. <i>Immunology</i> , 2008, 125, 522-534.	2.0	29
65	Intestinal epithelial barrier and mucosal immunity. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 1349-1358.	2.4	28
66	The transcriptional repressor Gfi1 prevents lupus autoimmunity by restraining TLR7 signaling. <i>European Journal of Immunology</i> , 2016, 46, 2801-2811.	1.6	28
67	TLR8 Couples SOCS-1 and Restrains TLR7-Mediated Antiviral Immunity, Exacerbating West Nile Virus Infection in Mice. <i>Journal of Immunology</i> , 2016, 197, 4425-4435.	0.4	28
68	A Novel Bitriazolyl Acyclonucleoside Endowed with Dual Antiproliferative and Immunomodulatory Activity. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5642-5646.	2.9	25
69	Role of TLR3 in the immunogenicity of replicon plasmid-based vaccines. <i>Gene Therapy</i> , 2009, 16, 359-366.	2.3	24
70	<i>Brucella abortus</i> induces Irgm3 and Irga6 expression via type-I IFN by a MyD88-dependent pathway, without the requirement of TLR2, TLR4, TLR5 and TLR9. <i>Microbial Pathogenesis</i> , 2009, 47, 299-304.	1.3	20
71	Novel antagonist antibody to TLR3 blocks poly(I:C)-induced inflammation in vivo and in vitro. <i>Cellular Immunology</i> , 2011, 267, 9-16.	1.4	19
72	TLR7 Signaling Drives the Development of Sjögren's Syndrome. <i>Frontiers in Immunology</i> , 2021, 12, 676010.	2.2	18

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73	PolyI:C-induced reduction in uptake of soluble antigen is independent of dendritic cell activation. <i>International Immunology</i> , 2009, 21, 871-879.	1.8	14
74	Investigating TLR Signaling Responses in Murine Dendritic Cells Upon Bacterial Infection. <i>Methods in Molecular Biology</i> , 2014, 1197, 209-225.	0.4	1
75	The Role of Tumour Necrosis Factor in Lymphoid Tissue Formation and Function. , 1997, , 11-17.		0