Lena Alexopoulou

List of Publications by Year
in descending order

75	20,177	38742 50	74163 75
papers	citations	h-index	g-index

77	77	77	20301
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recognition of double-stranded RNA and activation of NF-Î¹B by Toll-like receptor 3. Nature, 2001, 413, 732-738.	27.8	5,463
2	Recognition of single-stranded RNA viruses by Toll-like receptor 7. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5598-5603.	7.1	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.. Journal of Experimental Medicine, 1996, 184, 1397-1411.	8.5	1,089
4	Toll-like receptor 3 mediates West Nile virus entry into the brain causing lethal encephalitis. Nature Medicine, 2004, 10, 1366-1373.	30.7	998
5	Toll-like receptors 9 and 3 as essential components of innate immune defense against mouse cytomegalovirus infection. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3516-3521.	7.1	837
6	Toll-like receptor 3 promotes cross-priming to virus-infected cells. Nature, 2005, 433, 887-892.	27.8	801
7	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. Nature, 2003, 424, 324-328.	27.8	544
8	Toll-like receptor 9 controls anti-DNA autoantibody production in murine lupus. Journal of Experimental Medicine, 2005, 202, 321-331.	8.5	483
9	Detrimental Contribution of the Toll-Like Receptor (TLR)3 to Influenza A Virusâ€“Induced Acute Pneumonia. PLoS Pathogens, 2006, 2, e53.	4.7	447
10	Upregulation of costimulatory molecules induced by lipopolysaccharide and double-stranded RNA occurs by Trif-dependent and Trif-independent pathways. Nature Immunology, 2003, 4, 1223-1229.	14.5	406
11	Predominant pathogenic role of tumor necrosis factor in experimental colitis in mice. European Journal of Immunology, 1997, 27, 1743-1750.	2.9	393
12	Hyporesponsiveness to vaccination with Borrelia burgdorferi OspA in humans and in TLR1- and TLR2-deficient mice. Nature Medicine, 2002, 8, 878-884.	30.7	379
13	Does Toll-like receptor 3 play a biological role in virus infections?. Virology, 2004, 322, 231-238.	2.4	328
14	Activation of mast cells by double-stranded RNA: evidence for activation through Toll-like receptor 3. Journal of Allergy and Clinical Immunology, 2004, 114, 174-182.	2.9	314
15	Involvement of Toll-like receptor 5 in the recognition of flagellated bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12487-12492.	7.1	286
16	Skin-draining lymph nodes contain dermis-derived CD103â^' dendritic cells that constitutively produce retinoic acid and induce Foxp3+ regulatory T cells. Blood, 2010, 115, 1958-1968.	1.4	286
17	Cutting Edge: Priming of NK Cells by IL-18. Journal of Immunology, 2008, 181, 1627-1631.	0.8	280
18	Brucella Control of Dendritic Cell Maturation Is Dependent on the TIR-Containing Protein Btp1. PLoS Pathogens, 2008, 4, e21.	4.7	253

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19	Interleukin-10 targets p38 MAPK to modulate ARE-dependent TNF mRNA translation and limit intestinal pathology. EMBO Journal, 2001, 20, 3760-3770.	7.8	222
20	Resurrection of endogenous retroviruses in antibody-deficient mice. Nature, 2012, 491, 774-778.	27.8	198
21	Toll-Like Receptor 3 Is a Potent Negative Regulator of Axonal Growth in Mammals. Journal of Neuroscience, 2007, 27, 13033-13041.	3.6	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. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 6319-6323.	7.1	188
23	TLR8 deficiency leads to autoimmunity in mice. Journal of Clinical Investigation, 2010, 120, 3651-62.	8.2	181
24	In vivo evidence for a functional role of both tumor necrosis factor (TNF) receptors and transmembrane TNF in experimental hepatitis. European Journal of Immunology, 1997, 27, 2870-2875.	2.9	177
25	Microglia Recognize Double-Stranded RNA via TLR3. Journal of Immunology, 2006, 176, 3804-3812.	0.8	174
26	Deletion of TLR3 Alters the Pulmonary Immune Environment and Mucus Production during Respiratory Syncytial Virus Infection. Journal of Immunology, 2006, 176, 1937-1942.	0.8	170
27	TNF-Î± transgenic and knockout models of CNS inflammation and degeneration. Journal of Neuroimmunology, 1997, 72, 137-141.	2.3	165
28	A West Nile Virus Recombinant Protein Vaccine That Coactivates Innate and Adaptive Immunity. Journal of Infectious Diseases, 2007, 195, 1607-1617.	4.0	163
29	Unexpected protective role for Toll-like receptor 3 in the arterial wall. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2372-2377.	7.1	154
30	Toll-like receptor 3 is an essential component of the innate stress response in virus-induced cardiac injury. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H251-H258.	3.2	149
31	Long-term activation of TLR3 by Poly(I:C) induces inflammation and impairs lung function in mice. Respiratory Research, 2009, 10, 43.	3.6	147
32	Natural killer cell and macrophage cooperation in MyD88-dependent innate responses to Plasmodium falciparum. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14747-14752.	7.1	141
33	Tumor Necrosis Factor Receptors Types 1 and 2 Differentially Regulate Osteoclastogenesis. Journal of Biological Chemistry, 2000, 275, 27307-27310.	3.4	138
34	A murine transmembrane tumor necrosis factor (TNF) transgene induces arthritis by cooperative p55/p75 TNF receptor signaling. European Journal of Immunology, 1997, 27, 2588-2592.	2.9	135
35	TLR-Independent Induction of Dendritic Cell Maturation and Adaptive Immunity by Negative-Strand RNA Viruses. Journal of Immunology, 2004, 173, 6882-6889.	0.8	131
36	TLR8 on dendritic cells and TLR9 on B cells restrain TLR7-mediated spontaneous autoimmunity in C57BL/6 mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1497-1502.	7.1	121

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37	Cutting Edge: Overlapping Functions of TLR7 and TLR9 for Innate Defense against a Herpesvirus Infection. Journal of Immunology, 2008, 180, 5799-5803.	0.8	120
38	Transmembrane TNF protects mutant mice against intracellular bacterial infections, chronic inflammation and autoimmunity. European Journal of Immunology, 2006, 36, 2768-2780.	2.9	116
39	TLR3 Deletion Limits Mortality and Disease Severity due to Phlebovirus Infection. Journal of Immunology, 2006, 177, 6301-6307.	0.8	110
40	BtpB, a novel Brucella TIR-containing effector protein with immune modulatory functions. Frontiers in Cellular and Infection Microbiology, 2013, 3, 28.	3.9	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. Journal of Immunology, 2007, 178, 5200-5208.	0.8	103
42	Double-Stranded RNA Induces Pancreatic Â-Cell Apoptosis by Activation of the Toll-Like Receptor 3 and Interferon Regulatory Factor 3 Pathways. Diabetes, 2008, 57, 1236-1245.	0.6	91
43	Detrimental Contribution of the Immuno-Inhibitor B7-H1 to Rabies Virus Encephalitis. Journal of Immunology, 2008, 180, 7506-7515.	0.8	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-Î³ in Response to Double-Stranded RNA. Journal of Immunology, 2010, 185, 2080-2088.	0.8	88
45	Arthritogenic Properties of Double-Stranded (Viral) RNA. Journal of Immunology, 2004, 172, 5656-5663.	0.8	87
46	The Role of Tollâ€Like Receptors 3 and 9 in the Development of Autoimmune Diabetes in NOD Mice. Annals of the New York Academy of Sciences, 2008, 1150, 146-148.	3.8	76
47	Plexin-B1 plays a redundant role during mouse development and in tumour angiogenesis. BMC Developmental Biology, 2007, 7, 55.	2.1	69
48	Multiple MyD88-dependent responses contribute to pulmonary clearance ofLegionella pneumophila. Cellular Microbiology, 2009, 11, 21-36.	2.1	66
49	Complementation of Lymphotoxin Î± Knockout Mice with Tumor Necrosis Factorâ€“expressing Transgenes Rectifies Defective Splenic Structure and Function. Journal of Experimental Medicine, 1998, 188, 745-754.	8.5	54
50	Tumour necrosis factors in immune regulation: Everything that's interesting is â€¦ New!. Cytokine and Growth Factor Reviews, 1996, 7, 223-229.	7.2	50
51	The Pore-Forming Toxin Î² hemolysin/cytolysin Triggers p38 MAPK-Dependent IL-10 Production in Macrophages and Inhibits Innate Immunity. PLoS Pathogens, 2012, 8, e1002812.	4.7	47
52	Role of Toll-Like Receptor 13 in Innate Immune Recognition of Group B Streptococci. Infection and Immunity, 2014, 82, 5013-5022.	2.2	44
53	Type I Interferon Induction Is Detrimental during Infection with the Whipple's Disease Bacterium, Tropheryma whipplei. PLoS Pathogens, 2010, 6, e1000722.	4.7	42
54	Dissection of the pathologies induced by transmembrane and wild-type tumor necrosis factor in transgenic mice. Journal of Leukocyte Biology, 1996, 59, 518-525.	3.3	41

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55	Inflammatory Regulation by TLR3 in Acute Hepatitis. Journal of Immunology, 2009, 183, 3712-3719.	0.8	40
56	Innate Immune Response to Streptococcus pyogenes Depends on the Combined Activation of TLR13 and TLR2. PLoS ONE, 2015, 10, e0119727.	2.5	37
57	Sex Bias in Susceptibility to MCMV Infection: Implication of TLR9. PLoS ONE, 2012, 7, e45171.	2.5	37
58	Contribution of TLR7 and TLR9 signaling to the susceptibility of MyD88-deficient mice to myocarditis. Autoimmunity, 2010, 43, 275-287.	2.6	35
59	Long-term culture-expanded alveolar macrophages restore their full epigenetic identity after transfer in vivo. Nature Immunology, 2022, 23, 458-468.	14.5	35
60	Expansion and Function of CD8+ T Cells Expressing Ly49 Inhibitory Receptors Specific for MHC Class I Molecules. Journal of Immunology, 2004, 173, 3773-3782.	0.8	33
61	TLR sensing of bacterial spore-associated RNA triggers host immune responses with detrimental effects. Journal of Experimental Medicine, 2017, 214, 1297-1311.	8.5	33
62	Innate Immunity and Apoptosis in IBD. Inflammatory Bowel Diseases, 2004, 10, S58-S62.	1.9	32
63	Lupus Autoimmunity and Metabolic Parameters Are Exacerbated Upon High Fat Diet-Induced Obesity Due to TLR7 Signaling. Frontiers in Immunology, 2019, 10, 2015.	4.8	30
64	Protective role of membrane tumour necrosis factor in the hostâ€™s resistance to mycobacterial infection. Immunology, 2008, 125, 522-534.	4.4	29
65	Intestinal epithelial barrier and mucosal immunity. Cellular and Molecular Life Sciences, 2005, 62, 1349-1358.	5.4	28
66	The transcriptional repressor Gfi1 prevents lupus autoimmunity by restraining TLR7 signaling. European Journal of Immunology, 2016, 46, 2801-2811.	2.9	28
67	TLR8 Couples SOCS-1 and Restrains TLR7-Mediated Antiviral Immunity, Exacerbating West Nile Virus Infection in Mice. Journal of Immunology, 2016, 197, 4425-4435.	0.8	28
68	A Novel Bitriazolyl Acyclonucleoside Endowed with Dual Antiproliferative and Immunomodulatory Activity. Journal of Medicinal Chemistry, 2012, 55, 5642-5646.	6.4	25
69	Role of TLR3 in the immunogenicity of replicon plasmid-based vaccines. Gene Therapy, 2009, 16, 359-366.	4.5	24
70	Brucella abortus induces Irgm3 and Irga6 expression via type-I IFN by a MyD88-dependent pathway, without the requirement of TLR2, TLR4, TLR5 and TLR9. Microbial Pathogenesis, 2009, 47, 299-304.	2.9	20
71	Novel antagonist antibody to TLR3 blocks poly(I:C)-induced inflammation in vivo and in vitro. Cellular Immunology, 2011, 267, 9-16.	3.0	19
72	TLR7 Signaling Drives the Development of SjÃ¶grenâ€™s Syndrome. Frontiers in Immunology, 2021, 12, 676010.	4.8	18

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73	PolyI:C-induced reduction in uptake of soluble antigen is independent of dendritic cell activation. International Immunology, 2009, 21, 871-879.	4.0	14
74	Investigating TLR Signaling Responses in Murine Dendritic Cells Upon Bacterial Infection. Methods in Molecular Biology, 2014, 1197, 209-225.	0.9	1
75	The Role of Tumour Necrosis Factor in Lymphoid Tissue Formation and Function. , 1997, , 11-17.		0