

Egil Lien

List of Publications by Year in descending order

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43
papers

7,936
citations

147566

31
h-index

253896

43
g-index

56
all docs

56
docs citations

56
times ranked

11428
citing authors

#	ARTICLE	IF	CITATIONS
1	NLRP3 inflammasomes are required for atherogenesis and activated by cholesterol crystals. <i>Nature</i> , 2010, 464, 1357-1361.	13.7	3,130
2	Toll-like Receptor 2 Functions as a Pattern Recognition Receptor for Diverse Bacterial Products. <i>Journal of Biological Chemistry</i> , 1999, 274, 33419-33425.	1.6	825
3	Pathogen blockade of TAK1 triggers caspase-8-dependent cleavage of gasdermin D and cell death. <i>Science</i> , 2018, 362, 1064-1069.	6.0	639
4	Lipopolysaccharide Rapidly Traffics to and from the Golgi Apparatus with the Toll-like Receptor 4-MD-2-CD14 Complex in a Process That Is Distinct from the Initiation of Signal Transduction. <i>Journal of Biological Chemistry</i> , 2002, 277, 47834-47843.	1.6	398
5	Virulence factors of <i>Yersinia pestis</i> are overcome by a strong lipopolysaccharide response. <i>Nature Immunology</i> , 2006, 7, 1066-1073.	7.0	364
6	The NLRP12 Inflammasome Recognizes <i>Yersinia pestis</i> . <i>Immunity</i> , 2012, 37, 96-107.	6.6	293
7	Caspase-8 and RIP kinases regulate bacteria-induced innate immune responses and cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7391-7396.	3.3	250
8	Gasdermins and their role in immunity and inflammation. <i>Journal of Experimental Medicine</i> , 2019, 216, 2453-2465.	4.2	187
9	Elevated Levels of Serum-Soluble CD14 in Human Immunodeficiency Virus Type 1 (HIV-1) Infection: Correlation to Disease Progression and Clinical Events. <i>Blood</i> , 1998, 92, 2084-2092.	0.6	150
10	Identification of QS-21 as an Inflammasome-activating Molecular Component of Saponin Adjuvants. <i>Journal of Biological Chemistry</i> , 2016, 291, 1123-1136.	1.6	149
11	Inflammasomes and host defenses against bacterial infections. <i>Current Opinion in Microbiology</i> , 2013, 16, 23-31.	2.3	141
12	Cellular trafficking of lipoteichoic acid and Toll-like receptor 2 in relation to signaling; role of CD14 and CD36. <i>Journal of Leukocyte Biology</i> , 2008, 84, 280-291.	1.5	128
13	The <i>Yersinia pestis</i> Effector YopM Inhibits Pyrin Inflammasome Activation. <i>PLoS Pathogens</i> , 2016, 12, e1006035.	2.1	98
14	A Role for the Adaptor Proteins TRAM and TRIF in Toll-like Receptor 2 Signaling. <i>Journal of Biological Chemistry</i> , 2015, 290, 3209-3222.	1.6	86
15	MD-2-mediated Ionic Interactions between Lipid A and TLR4 Are Essential for Receptor Activation. <i>Journal of Biological Chemistry</i> , 2010, 285, 8695-8702.	1.6	82
16	Multiple roles of caspase-8 in cell death, inflammation, and innate immunity. <i>Journal of Leukocyte Biology</i> , 2021, 109, 121-141.	1.5	80
17	The Role of Toll-Like Receptor Pathways in the Mechanism of Type 1 Diabetes. <i>Current Molecular Medicine</i> , 2009, 9, 52-68.	0.6	74
18	Mammalian Lipopolysaccharide Receptors Incorporated into the Retroviral Envelope Augment Virus Transmission. <i>Cell Host and Microbe</i> , 2015, 18, 456-462.	5.1	69

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19	Absence of the inflammasome adaptor ASC reduces hypoxia-induced pulmonary hypertension in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L378-L387.	1.3	63
20	RNA and $\hat{1}^2$ -Hemolysin of Group B Streptococcus Induce Interleukin- $1\hat{1}^2$ (IL- $1\hat{1}^2$) by Activating NLRP3 Inflammasomes in Mouse Macrophages. <i>Journal of Biological Chemistry</i> , 2014, 289, 13701-13705.	1.6	62
21	Elevated Levels of Serum-Soluble CD14 in Human Immunodeficiency Virus Type 1 (HIV-1) Infection: Correlation to Disease Progression and Clinical Events. <i>Blood</i> , 1998, 92, 2084-2092.	0.6	56
22	RIPK1 activation mediates neuroinflammation and disease progression in multiple sclerosis. <i>Cell Reports</i> , 2021, 35, 109112.	2.9	54
23	Lipopolysaccharide and Double-stranded RNA Up-regulate Toll-like Receptor 2 Independently of Myeloid Differentiation Factor 88. <i>Journal of Biological Chemistry</i> , 2004, 279, 39727-39735.	1.6	52
24	RIP1 kinase activity promotes steatohepatitis through mediating cell death and inflammation in macrophages. <i>Cell Death and Differentiation</i> , 2021, 28, 1418-1433.	5.0	48
25	Palmitate promotes inflammatory responses and cellular senescence in cardiac fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 234-245.	1.2	41
26	D27-pLpxL, an Avirulent Strain of <i>Yersinia pestis</i> , Primes T Cells That Protect against Pneumonic Plague. <i>Infection and Immunity</i> , 2009, 77, 4295-4304.	1.0	40
27	NLRP3 inflammasome mediates oxidative stress-induced pancreatic islet dysfunction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E912-E923.	1.8	39
28	Toll-like receptors. <i>Critical Care Medicine</i> , 2002, 30, S1-11.	0.4	37
29	Toll-like receptors. <i>Critical Care Medicine</i> , 2002, 30, S1-S11.	0.4	34
30	Manipulation of Interleukin- $1\hat{1}^2$ and Interleukin-18 Production by <i>Yersinia pestis</i> Effectors YopJ and YopM and Redundant Impact on Virulence. <i>Journal of Biological Chemistry</i> , 2016, 291, 9894-9905.	1.6	33
31	NLRP3 Inflammasome Promotes Myocardial Remodeling During Diet-Induced Obesity. <i>Frontiers in Immunology</i> , 2019, 10, 1621.	2.2	33
32	Inhibition of HSP90 and Activation of HSF1 Diminish Macrophage NLRP3 Inflammasome Activity in Alcohol-Associated Liver Injury. <i>Alcoholism: Clinical and Experimental Research</i> , 2020, 44, 1300-1311.	1.4	33
33	Polymorphonuclear granulocytes enhance lipopolysaccharide-induced soluble p75 tumor necrosis factor receptor release from mononuclear cells. <i>European Journal of Immunology</i> , 1995, 25, 2714-2717.	1.6	32
34	Contribution of TLR4 and MyD88 for adjuvant monophosphoryl lipid A (MPLA) activity in a DNA prime-boost HIV-1 vaccine. <i>Vaccine</i> , 2014, 32, 5049-5056.	1.7	27
35	Bacterial secretion systems and regulation of inflammasome activation. <i>Journal of Leukocyte Biology</i> , 2017, 101, 165-181.	1.5	22
36	Defects in early cell recruitment contribute to the increased susceptibility to respiratory <i>Klebsiella pneumoniae</i> infection in diabetic mice. <i>Microbes and Infection</i> , 2016, 18, 649-655.	1.0	21

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37	Serum Cytokine Profiles Associated with Specific Adjuvants Used in a DNA Prime-Protein Boost Vaccination Strategy. PLoS ONE, 2013, 8, e74820.	1.1	18
38	Streptolysin O Induces the Ubiquitination and Degradation of Pro-IL-1 β . Journal of Innate Immunity, 2019, 11, 457-468.	1.8	15
39	Caspase-8 mediates inflammation and disease in rodent malaria. Nature Communications, 2020, 11, 4596.	5.8	11
40	Reduced MyD88 dependency of ISCOMATRIX $\text{\textcircled{R}}$ adjuvant in a DNA prime-protein boost HIV vaccine. Human Vaccines and Immunotherapeutics, 2014, 10, 1078-1090.	1.4	10
41	A Sugar Rush for Innate Immunity. Cell Host and Microbe, 2018, 24, 461-463.	5.1	5
42	Complement component C3 and the TLR co-receptor CD14 are not involved in angiotensin II induced cardiac remodelling. Biochemical and Biophysical Research Communications, 2020, 523, 867-873.	1.0	3
43	TLR4 enhances resolution of lung inflammation by promoting neutrophil apoptosis. FASEB Journal, 2008, 22, 672.53.	0.2	0