John R Lukens

List of Publications by Year
in descending order

57 papers	4,736 citations	147801 31 h-index	161849 54 g-index
61 all docs	61 docs citations	61 times ranked	8218 citing authors

#	Article	IF	Citations
1	CNS lymphatic drainage and neuroinflammation are regulated by meningeal lymphatic vasculature. Nature Neuroscience, 2018, 21, 1380-1391.	14.8	579
2	NLRP6 negatively regulates innate immunity and host defence against bacterial pathogens. Nature, 2012, 488, 389-393.	27.8	328
3	Mitochondria: diversity in the regulation of the NLRP3 inflammasome. Trends in Molecular Medicine, 2015, 21, 193-201.	6.7	302
4	Dietary modulation of the microbiome affects autoinflammatory disease. Nature, 2014, 516, 246-249.	27.8	258
5	Dealing with Danger in the CNS: The Response of the Immune System to Injury. Neuron, 2015, 87, 47-62.	8.1	252
6	Emerging Roles for the Immune System in Traumatic Brain Injury. Frontiers in Immunology, 2016, 7, 556.	4.8	198
7	Meningeal lymphatic dysfunction exacerbates traumatic brain injury pathogenesis. Nature Communications, 2020, 11, 4524.	12.8	174
8	MHCII-independent CD4+ T cells protect injured CNS neurons via IL-4. Journal of Clinical Investigation, 2015, 125, 699-714.	8.2	161
9	RIP1-driven autoinflammation targets IL-1Î± independently of inflammasomes and RIP3. Nature, 2013, 498, 224-227.	27.8	149
10	Cutting Edge: Critical Role for PYCARD/ASC in the Development of Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2010, 184, 4610-4614.	0.8	139
11	IL-1 family cytokines trigger sterile inflammatory disease. Frontiers in Immunology, 2012, 3, 315.	4.8	134
12	Protective Roles for Caspase-8 and cFLIP in Adult Homeostasis. Cell Reports, 2013, 5, 340-348.	6.4	130
13	AIM2 inflammasome surveillance of DNA damage shapes neurodevelopment. Nature, 2020, 580, 647-652.	27.8	130
14	Innate immunity at the crossroads of healthy brain maturation and neurodevelopmental disorders. Nature Reviews Immunology, 2021, 21, 454-468.	22.7	127
15	Signaling via the RIP2 Adaptor Protein in Central Nervous System-Infiltrating Dendritic Cells Promotes Inflammation and Autoimmunity. Immunity, 2011, 34, 75-84.	14.3	116
16	Intrahepatic IL-10 Maintains NKG2A+Ly49â^' Liver NK Cells in a Functionally Hyporesponsive State. Journal of Immunology, 2010, 184, 2693-2701.	0.8	111
17	Inflammasome-Derived IL-1Î² Regulates the Production of GM-CSF by CD4+ T Cells and Î³Î´ T Cells. Journal of Immunology, 2012, 188, 3107-3115.	0.8	108
18	Critical role for inflammasome-independent IL-1Î² production in osteomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1066-1071.	7.1	107

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19	The NLRP12 Sensor Negatively Regulates Autoinflammatory Disease by Modulating Interleukin-4 Production in T Cells. Immunity, 2015, 42, 654-664.	14.3	91
20	Oxidized Low-Density Lipoprotein Immune Complex Priming of the Nlrp3 Inflammasome Involves TLR and FcÎ³R Cooperation and Is Dependent on CARD9. Journal of Immunology, 2017, 198, 2105-2114.	0.8	87
21	Cutting Edge: Critical Roles for Microbiota-Mediated Regulation of the Immune System in a Prenatal Immune Activation Model of Autism. Journal of Immunology, 2018, 201, 845-850.	0.8	83
22	Inflammasome activation in obesity-related inflammatory diseases and autoimmunity. Discovery Medicine, 2011, 12, 65-74.	0.5	74
23	The role of innate immunity in Alzheimer's disease. Immunological Reviews, 2020, 297, 225-246.	6.0	70
24	NLR-Dependent Regulation of Inflammation in Multiple Sclerosis. Frontiers in Immunology, 2017, 8, 2012.	4.8	66
25	How neurons die in Alzheimer's disease: Implications for neuroinflammation. Current Opinion in Neurobiology, 2022, 75, 102575.	4.2	57
26	Blockade of PD-1/B7-H1 Interaction Restores Effector CD8+ T Cell Responses in a Hepatitis C Virus Core Murine Model. Journal of Immunology, 2008, 180, 4875-4884.	0.8	56
27	Gasdermin-D-dependent IL-1Î± release from microglia promotes protective immunity during chronic Toxoplasma gondii infection. Nature Communications, 2020, 11, 3687.	12.8	55
28	Tyrosine Kinase SYK Licenses MyD88 Adaptor Protein to Instigate IL-1Î±-Mediated Inflammatory Disease. Immunity, 2017, 46, 635-648.	14.3	53
29	Necroptosis and Apoptosis Contribute to Cisplatin and Aminoglycoside Ototoxicity. Journal of Neuroscience, 2019, 39, 2951-2964.	3.6	46
30	Microglia and Neurodevelopmental Disorders. Annual Review of Neuroscience, 2022, 45, 425-445.	10.7	43
31	Cognate Memory CD4+ T Cells Generated with Dendritic Cell Priming Influence the Expansion, Trafficking, and Differentiation of Secondary CD8+ T Cells and Enhance Tumor Control. Journal of Immunology, 2007, 179, 5829-5838.	0.8	38
32	The application of vinylogous iminium salt derivatives to the synthesis of Ningalin B hexamethyl ether. Tetrahedron, 2003, 59, 207-215.	1.9	33
33	Modeling Autism-Related Disorders in Mice with Maternal Immune Activation (MIA). Methods in Molecular Biology, 2019, 1960, 227-236.	0.9	31
34	tRNA-derived fragments and microRNAs in the maternal-fetal interface of a mouse maternal-immune-activation autism model. RNA Biology, 2020, 17, 1183-1195.	3.1	30
35	Beyond canonical inflammasomes: emerging pathways in IL-1-mediated autoinflammatory disease. Seminars in Immunopathology, 2014, 36, 595-609.	6.1	27
36	Neuroimmune cleanup crews in brain injury. Trends in Immunology, 2021, 42, 480-494.	6.8	27

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37	Lipid-Lowering Effects of Ethyl 2-Phenacyl-3-aryl-1H-pyrrole- 4-carboxylates in Rodents. Molecules, 2004, 9, 134-157.	3.8	25
38	Apolipoprotein A-I Protection Against Atherosclerosis Is Dependent on Genetic Background. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 262-269.	2.4	20
39	Acute Lymph Node Slices Are a Functional Model System to Study Immunity Ex Vivo. ACS Pharmacology and Translational Science, 2021, 4, 128-142.	4.9	20
40	Crosstalk Between the Microbiome and Gestational Immunity in Autism-Related Disorders. DNA and Cell Biology, 2019, 38, 405-409.	1.9	19
41	Increased Fas ligand expression of CD4+T cells by HCV core induces T cell-dependent hepatic inflammation. Journal of Leukocyte Biology, 2005, 78, 412-425.	3.3	18
42	Fas Ligand Is Responsible for CXCR3 Chemokine Induction in CD4+T Cell-Dependent Liver Damage. Journal of Immunology, 2006, 176, 6235-6244.	0.8	17
43	miRâ€206 family is important for mitochondrial and muscle function, but not essential for myogenesis in vitro. FASEB Journal, 2020, 34, 7687-7702.	0.5	17
44	SHP-1 and IL-1Î± conspire to provoke neutrophilic dermatoses. Rare Diseases (Austin, Tex), 2014, 2, e27742.	1.8	14
45	Th17 Cells in Parkinsonâ€™s Disease: The Bane of the Midbrain. Cell Stem Cell, 2018, 23, 5-6.	11.1	14
46	Drak2 is not required for tumor surveillance and suppression. International Immunology, 2015, 27, 161-166.	4.0	13
47	Liver Is Able to Activate NaÃ¯ve CD8+ T Cells with Dysfunctional Anti-Viral Activity in the Murine System. PLoS ONE, 2009, 4, e7619.	2.5	12
48	The nervous system during <scp>COVID</scp>â€19: Caught in the crossfire. Immunological Reviews, 2022, 311, 90-111.	6.0	9
49	Fat Chance: Not Much against NKT Cells. Immunity, 2012, 37, 447-449.	14.3	7
50	Inflammation stresses out brain development. Nature Neuroscience, 2021, 24, 155-157.	14.8	3
51	The brain's reward circuitry regulates immunity. Nature Medicine, 2016, 22, 835-837.	30.7	2
52	RIPK3-Dependent Recruitment of Low-Inflammatory Myeloid Cells Does Not Protect from Systemic Salmonella Infection. MBio, 2020, 11, .	4.1	2
53	Adapt(ed) to repair â€" TH2 immune responses in the bladder promote recurrent infections. Nature Immunology, 2020, 21, 597-599.	14.5	2
54	Hepatitis C Viruss Immune Evasion Strategies. Current Immunology Reviews, 2005, 1, 223-235.	1.2	0

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55	NLRP3 sets the table for a parasitic meal. Journal of Leukocyte Biology, 2019, 106, 505-507.	3.3	0
56	Liver NK cells play an inhibitory role in impairing antiviral CD8+ T cell effector function. FASEB Journal, 2008, 22, 856.5.	0.5	0
57	Maternal inflammation is hard for offspring to stomach. Immunity, 2022, 55, 6-8.	14.3	0