

Rob J W Arts

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

8,267
citations

147726

31
h-index

206029

48
g-index

52
all docs

52
docs citations

52
times ranked

11222
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-1 family cytokines as drivers and inhibitors of trained immunity. <i>Cytokine</i> , 2022, 150, 155773.	1.4	25
2	IL-38 prevents induction of trained immunity by inhibition of mTOR signaling. <i>Journal of Leukocyte Biology</i> , 2021, 110, 907-915.	1.5	20
3	InÂvitro induction of trained immunity in adherent human monocytes. <i>STAR Protocols</i> , 2021, 2, 100365.	0.5	42
4	The anti-inflammatory cytokine interleukin-37 is an inhibitor of trained immunity. <i>Cell Reports</i> , 2021, 35, 108955.	2.9	40
5	Oncogene-induced maladaptive activation of trained immunity in the pathogenesis and treatment of Erdheim-Chester disease. <i>Blood</i> , 2021, 138, 1554-1569.	0.6	10
6	Altered Ex-Vivo Cytokine Responses in Children With Asymptomatic Plasmodium falciparum Infection in Burkina Faso: An Additional Argument to Treat Asymptomatic Malaria?. <i>Frontiers in Immunology</i> , 2021, 12, 614817.	2.2	3
7	BCG-induced non-specific effects on heterologous infectious disease in Ugandan neonates: an investigator-blind randomised controlled trial. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 993-1003.	4.6	95
8	Lysine methyltransferase G9a is an important modulator of trained immunity. <i>Clinical and Translational Immunology</i> , 2021, 10, e1253.	1.7	25
9	The role of Tollâ€like receptor 10 in modulation of trained immunity. <i>Immunology</i> , 2020, 159, 289-297.	2.0	28
10	Controlled Human Malaria Infection Induces Long-Term Functional Changes in Monocytes. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 604553.	1.6	13
11	Differential effects of BCG vaccine on immune responses induced by vi polysaccharide typhoid fever vaccination: an explorative randomized trial. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2020, 39, 1177-1184.	1.3	16
12	Circadian rhythm influences induction of trained immunity by BCG vaccination. <i>Journal of Clinical Investigation</i> , 2020, 130, 5603-5617.	3.9	95
13	BCG vaccination in humans inhibits systemic inflammation in a sex-dependent manner. <i>Journal of Clinical Investigation</i> , 2020, 130, 5591-5602.	3.9	96
14	Non-specific effects of BCG vaccine on viral infections. <i>Clinical Microbiology and Infection</i> , 2019, 25, 1473-1478.	2.8	369
15	Defective Protein Prenylation in a Spectrum of Patients With Mevalonate Kinase Deficiency. <i>Frontiers in Immunology</i> , 2019, 10, 1900.	2.2	21
16	Frontline Science: Endotoxin-induced immunotolerance is associated with loss of monocyte metabolic plasticity and reduction of oxidative burst. <i>Journal of Leukocyte Biology</i> , 2019, 106, 11-25.	1.5	38
17	Outcomes of controlled human malaria infection after BCG vaccination. <i>Nature Communications</i> , 2019, 10, 874.	5.8	165
18	Metformin Alters Human Host Responses to Mycobacterium tuberculosis in Healthy Subjects. <i>Journal of Infectious Diseases</i> , 2019, 220, 139-150.	1.9	78

#	ARTICLE	IF	CITATIONS
19	P087â€¦The anti-inflammatory cytokine interleukin 37 is an endogenous inhibitor of trained immunity. , 2019, , .		0
20	THU0010â€¦THE ANTI-INFLAMMATORY CYTOKINE INTERLEUKIN 37 IS AN ENDOGENOUS INHIBITOR OF TRAINED IMMUNITY. , 2019, , .		0
21	The Itaconate Pathway Is a Central Regulatory Node Linking Innate Immune Tolerance and Trained Immunity. Cell Metabolism, 2019, 29, 211-220.e5.	7.2	232
22	Metabolic Induction of Trained Immunity through the Mevalonate Pathway. Cell, 2018, 172, 135-146.e9.	13.5	485
23	BCG Vaccination Protects against Experimental Viral Infection in Humans through the Induction of Cytokines Associated with Trained Immunity. Cell Host and Microbe, 2018, 23, 89-100.e5.	5.1	860
24	Bacillus Calmette-GuÃ©rin vaccination at birth and in vitro cytokine responses to non-specific stimulation. A randomized clinical trial. European Journal of Clinical Microbiology and Infectious Diseases, 2018, 37, 29-41.	1.3	18
25	DNA Synthesis Is Activated in Mosquitoes and Human Monocytes During the Induction of Innate Immune Memory. Frontiers in Immunology, 2018, 9, 2834.	2.2	12
26	Pyruvate dehydrogenase complex stimulation promotes immunometabolic homeostasis and sepsis survival. JCI Insight, 2018, 3, .	2.3	48
27	Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. Immunity, 2018, 49, 819-828.e6.	6.6	161
28	Epigenetic Rewiring of Monocytes in BCG Vaccination. , 2018, , 109-120.		3
29	Mycobacterial growth inhibition is associated with trained innate immunity. Journal of Clinical Investigation, 2018, 128, 1837-1851.	3.9	144
30	The Potential Role of Trained Immunity in Autoimmune and Autoinflammatory Disorders. Frontiers in Immunology, 2018, 9, 298.	2.2	135
31	High-Mobility Group Nucleosome-Binding Protein 1 as Endogenous Ligand Induces Innate Immune Tolerance in a TLR4-Sirtuin-1 Dependent Manner in Human Blood Peripheral Mononuclear Cells. Frontiers in Immunology, 2018, 9, 526.	2.2	12
32	Cellular metabolism of myeloid cells in sepsis. Journal of Leukocyte Biology, 2017, 101, 151-164.	1.5	85
33	Defective protein prenylation is a diagnostic biomarker of mevalonate kinase deficiency. Journal of Allergy and Clinical Immunology, 2017, 140, 873-875.e6.	1.5	29
34	Rewiring monocyte glucose metabolism via C-type lectin signaling protects against disseminated candidiasis. PLoS Pathogens, 2017, 13, e1006632.	2.1	73
35	Immunometabolic Pathways in BCG-Induced Trained Immunity. Cell Reports, 2016, 17, 2562-2571.	2.9	467
36	Transcriptional and metabolic reprogramming induce an inflammatory phenotype in non-medullary thyroid carcinoma-induced macrophages. OncoImmunology, 2016, 5, e1229725.	2.1	95

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37	Immunometabolic circuits in trained immunity. <i>Seminars in Immunology</i> , 2016, 28, 425-430.	2.7	159
38	Glutaminolysis and Fumarate Accumulation Integrate Immunometabolic and Epigenetic Programs in Trained Immunity. <i>Cell Metabolism</i> , 2016, 24, 807-819.	7.2	584
39	Adaptive Characteristics of Innate Immune Responses in Macrophages. <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	13
40	Î²-Glucan Reverses the Epigenetic State of LPS-Induced Immunological Tolerance. <i>Cell</i> , 2016, 167, 1354-1368.e14.	13.5	467
41	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. <i>Cell</i> , 2016, 167, 1145-1149.	13.5	404
42	Broad defects in the energy metabolism of leukocytes underlie immunoparalysis in sepsis. <i>Nature Immunology</i> , 2016, 17, 406-413.	7.0	437
43	An enigma: why vitamin A supplementation does not always reduce mortality even though vitamin A deficiency is associated with increased mortality. <i>International Journal of Epidemiology</i> , 2015, 44, 906-918.	0.9	50
44	Gamma-Irradiated Bacille Calmette-GuÃ©rin Vaccination Does Not Modulate the Innate Immune Response during Experimental Human Endotoxemia in Adult Males. <i>Journal of Immunology Research</i> , 2015, 2015, 1-11.	0.9	12
45	Trained innate immunity as underlying mechanism for the long-term, nonspecific effects of vaccines. <i>Journal of Leukocyte Biology</i> , 2015, 98, 347-356.	1.5	184
46	Vitamin A induces inhibitory histone methylation modifications and down-regulates trained immunity in human monocytes. <i>Journal of Leukocyte Biology</i> , 2015, 98, 129-136.	1.5	53
47	Long-term in vitro and in vivo effects of Î³-irradiated BCG on innate and adaptive immunity. <i>Journal of Leukocyte Biology</i> , 2015, 98, 995-1001.	1.5	74
48	mTOR- and HIF-1Î±-mediated aerobic glycolysis as metabolic basis for trained immunity. <i>Science</i> , 2014, 345, 1250684.	6.0	1,517
49	TREM-1: intracellular signaling pathways and interaction with pattern recognition receptors. <i>Journal of Leukocyte Biology</i> , 2013, 93, 209-215.	1.5	215
50	Small bowel leiomyosarcoma: A case report and literature review. <i>Turkish Journal of Gastroenterology</i> , 2012, 23, 381-384.	0.4	6
51	TREM-1 interaction with the LPS/TLR4 receptor complex. <i>European Cytokine Network</i> , 2011, 22, 11-14.	1.1	54
52	Adaptive Characteristics of Innate Immune Responses in Macrophages. , 0, , 679-686.		0