Moshe Arditi

List of Publications by Citations

87 papers	3,862 citations	31 h-index	61 g-index
94 ext. papers	5,368 ext. citations	10.8 avg, IF	5.58 L-index

#	Paper	IF	Citations
87	Oxidized mitochondrial DNA activates the NLRP3 inflammasome during apoptosis. *Immunity*, **2012**, 36, 401-14	32.3	1223
86	Hexokinase Is an Innate Immune Receptor for the Detection of Bacterial Peptidoglycan. *Cell*, **2016**, 166, 624-636	56.2	276
85	Immunological Consequences of Intestinal Fungal Dysbiosis. *Cell Host and Microbe*, **2016**, 19, 865-73	23.4	241
84	Interleukin-1 is crucial for the induction of coronary artery inflammation in a mouse model of Kawasaki disease. *Circulation*, **2012**, 125, 1542-50	16.7	139
83	Superantigenic character of an insert unique to SARS-CoV-2 spike supported by skewed TCR repertoire in patients with hyperinflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25254-25262	11.5	116
82	Ogg1-Dependent DNA Repair Regulates NLRP3 Inflammasome and Prevents Atherosclerosis. *Circulation Research*, **2016**, 119, e76-90	15.7	79
81	Lipopolysaccharide Induces Alveolar Macrophage Necrosis via CD14 and the P2X7 Receptor Leading to Interleukin-1 Release. *Immunity*, **2015**, 42, 640-53	32.3	77
80	TLR2 and MyD88 contribute to Lactobacillus casei extract-induced focal coronary arteritis in a mouse model of Kawasaki disease. *Circulation*, **2005**, 112, 2966-73	16.7	66
79	BCG vaccination history associates with decreased SARS-CoV-2 seroprevalence across a diverse cohort of health care workers. *Journal of Clinical Investigation*, **2021**, 131,	15.9	62
78	IL-1 Signaling Is Critically Required in Stromal Cells in Kawasaki Disease Vasculitis Mouse Model: Role of Both IL-1 and IL-1 *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 2605-16	9.4	61
77	C9orf72 in myeloid cells suppresses STING-induced inflammation. *Nature*, **2020**, 585, 96-101	50.4	61
76	Involvement of innate and adaptive immunity in a murine model of coronary arteritis mimicking Kawasaki disease. *Journal of Immunology*, **2009**, 183, 5311-8	5.3	60
75	Kawasaki disease: pathophysiology and insights from mouse models. *Nature Reviews Rheumatology* , **2020**, 16, 391-405	8.1	59
74	Role of Interleukin-1 Signaling in a Mouse Model of Kawasaki Disease-Associated Abdominal Aortic Aneurysm. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 886-97	9.4	59
73	Quercetin Inhibits Inflammasome Activation by Interfering with ASC Oligomerization and Prevents Interleukin-1 Mediated Mouse Vasculitis. *Scientific Reports*, **2017**, 7, 41539	4.9	49
72	Intestinal Permeability and IgA Provoke Immune Vasculitis Linked to Cardiovascular Inflammation. *Immunity*, **2019**, 51, 508-521.e6	32.3	49
71	Rationale and study design for a phase I/IIa trial of anakinra in children with Kawasaki disease and early coronary artery abnormalities (the ANAKID trial). *Contemporary Clinical Trials*, **2016**, 48, 70-5	2.3	48

70	Multisystem inflammatory syndrome in children is driven by zonulin-dependent loss of gut mucosal barrier. *Journal of Clinical Investigation*, **2021**, 131,	15.9	46
69	SARS-CoV-2 specific antibody and neutralization assays reveal the wide range of the humoral immune response to virus. *Communications Biology*, **2021**, 4, 129	6.7	46
68	SARS-CoV-2-related MIS-C: A key to the viral and genetic causes of Kawasaki disease?. *Journal of Experimental Medicine*, **2021**, 218,	16.6	45
67	Group B Streptococcus Evades Host Immunity by Degrading Hyaluronan. *Cell Host and Microbe*, **2015**, 18, 694-704	23.4	42
66	Chlamydia pneumoniae Hijacks a Host Autoregulatory IL-1 Loop to Drive Foam Cell Formation and Accelerate Atherosclerosis. *Cell Metabolism*, **2018**, 28, 432-448.e4	24.6	41
65	Review: Found in Translation: International Initiatives Pursuing Interleukin-1 Blockade for Treatment of Acute Kawasaki Disease. *Arthritis and Rheumatology*, **2017**, 69, 268-276	9.5	41
64	HLA class I-associated expansion of TRBV11-2 T cells in multisystem inflammatory syndrome in children. *Journal of Clinical Investigation*, **2021**, 131,	15.9	39
63	Platelets Fuel the Inflammasome Activation of Innate Immune Cells. *Cell Reports*, **2020**, 31, 107615	10.6	37
62	Activated myeloid dendritic cells accumulate and co-localize with CD3+ T cells in coronary artery lesions in patients with Kawasaki disease. *Experimental and Molecular Pathology*, **2007**, 83, 93-103	4.4	36
61	Impact of South African 501.V2 Variant on SARS-CoV-2 Spike Infectivity and Neutralization: A Structure-based Computational Assessment		35
60	Inflammation and pyroptosis mediate muscle expansion in an interleukin-1 (IL-1) -dependent manner. *Journal of Biological Chemistry*, **2015**, 290, 6574-83	5.4	34
59	Immune pathogenesis of COVID-19-related multisystem inflammatory syndrome in children. *Journal of Clinical Investigation*, **2020**, 130, 5619-5621	15.9	34
58	Metformin inhibition of mitochondrial ATP and DNA synthesis abrogates NLRP3 inflammasome activation and pulmonary inflammation. *Immunity*, **2021**, 54, 1463-1477.e11	32.3	33
57	IL-1 receptor antagonist, anakinra, prevents myocardial dysfunction in a mouse model of Kawasaki disease vasculitis and myocarditis. *Clinical and Experimental Immunology*, **2019**, 198, 101-110	6.2	31
56	Young bone marrow transplantation preserves learning and memory in old mice. *Communications Biology*, **2019**, 2, 73	6.7	31
55	Intercepting the Lipid-Induced Integrated Stress Response Reduces Atherosclerosis. *Journal of the American College of Cardiology*, **2019**, 73, 1149-1169	15.1	30
54	CD8+ T Cells Contribute to the Development of Coronary Arteritis in the Lactobacillus casei Cell Wall Extract-Induced Murine Model of Kawasaki Disease. *Arthritis and Rheumatology*, **2017**, 69, 410-421	9.5	23
53	Nicotinamide exacerbates hypoxemia in ventilator-induced lung injury independent of neutrophil infiltration. *PLoS ONE*, **2015**, 10, e0123460	3.7	23

52	A single infection with Chlamydia pneumoniae is sufficient to exacerbate atherosclerosis in ApoE deficient mice. *Cellular Immunology*, **2015**, 294, 25-32	4.4	21
51	An insertion unique to SARS-CoV-2 exhibits superantigenic character strengthened by recent mutations **2020**,		21
50	Chlamydia pneumoniae infection in mice induces chronic lung inflammation, iBALT formation, and fibrosis. *PLoS ONE*, **2013**, 8, e77447	3.7	20
49	The autoimmune signature of hyperinflammatory multisystem inflammatory syndrome in children. *Journal of Clinical Investigation*, **2021**, 131,	15.9	20
48	Mast cells play an important role in chlamydia pneumoniae lung infection by facilitating immune cell recruitment into the airway. *Journal of Immunology*, **2015**, 194, 3840-51	5.3	19
47	A Comprehensive Update on Kawasaki Disease Vasculitis and Myocarditis. *Current Rheumatology Reports*, **2020**, 22, 6	4.9	19
46	Phase II Open Label Study of Anakinra in Intravenous Immunoglobulin-Resistant Kawasaki Disease. *Arthritis and Rheumatology*, **2021**, 73, 151-161	9.5	19
45	Autophagy Protects Against Developing Increased Lung Permeability and Hypoxemia by Down Regulating Inflammasome Activity and IL-1β in LPS Plus Mechanical Ventilation-Induced Acute Lung Injury. *Frontiers in Immunology*, **2020**, 11, 207	8.4	18
44	Chlamydia and Lipids Engage a Common Signaling Pathway That Promotes Atherogenesis. *Journal of the American College of Cardiology*, **2018**, 71, 1553-1570	15.1	18
43	ApoB-100-related peptide vaccine protects against angiotensin II-induced aortic aneurysm formation and rupture. *Journal of the American College of Cardiology*, **2015**, 65, 546-56	15.1	18
42	Sex-Specific Effects of the Nlrp3 Inflammasome on Atherogenesis in LDL Receptor-Deficient Mice. *JACC Basic To Translational Science*, **2020**, 5, 582-598	8.7	16
41	The Kawasaki Disease Comparative Effectiveness (KIDCARE) trial: A phase III, randomized trial of second intravenous immunoglobulin versus infliximab for resistant Kawasaki disease. *Contemporary Clinical Trials*, **2019**, 79, 98-103	2.3	15
40	Loss of testosterone impairs anti-tumor neutrophil function. *Nature Communications*, **2020**, 11, 1613	17.4	15
39	Seroprevalence of antibodies to SARS-CoV-2 in healthcare workers: a cross-sectional study. *BMJ Open*, **2021**, 11, e043584	3	15
38	A monoclonal antibody against staphylococcal enterotoxin B superantigen inhibits SARS-CoV-2 entry in vitro. *Structure*, **2021**, 29, 951-962.e3	5.2	13
37	Autophagy Limits Inflammasome During Infection. *Frontiers in Immunology*, **2019**, 10, 754	8.4	11
36	Macrophage IL-12p70 signaling prevents HSV-1-induced CNS autoimmunity triggered by autoaggressive CD4+ Tregs **2011**, 52, 2321-33		11
35	Myocardial fibrosis after adrenergic stimulation as a long-term sequela in a mouse model of Kawasaki disease vasculitis. *JCI Insight*, **2019**, 4,	9.9	11

34	Histone deacetylase inhibitors mediate DNA damage repair in ameliorating hemorrhagic cystitis. *Scientific Reports*, **2016**, 6, 39257	4.9	11
33	T-Cell-Intrinsic Receptor Interacting Protein 2 Regulates Pathogenic T Helper 17 Cell Differentiation. *Immunity*, **2018**, 49, 873-885.e7	32.3	11
32	Alternatively spliced myeloid differentiation protein-2 inhibits TLR4-mediated lung inflammation. *Journal of Immunology*, **2015**, 194, 1686-94	5.3	10
31	Interleukin-1 Beta-Mediated Sex Differences in Kawasaki Disease Vasculitis Development and Response to Treatment. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 802-818	9.4	10
30	IL-2 suppression of IL-12p70 by a recombinant HSV-1 expressing IL-2 induces T-cell auto-reactivity and CNS demyelination. *PLoS ONE*, **2011**, 6, e16820	3.7	10
29	Oxidative DNA Damage Accelerates Skin Inflammation in Pristane-Induced Lupus Model. *Frontiers in Immunology*, **2020**, 11, 554725	8.4	10
28	TGF-β inhibits the production of IFN in response to CpG DNA via ubiquitination of TNF receptor-associated factor (TRAF) 6. *Innate Immunity*, **2015**, 21, 770-7	2.7	8
27	Suppression of IL-12p70 formation by IL-2 or following macrophage depletion causes T-cell autoreactivity leading to CNS demyelination in HSV-1-infected mice. *PLoS Pathogens*, **2017**, 13, e1006401	7.6	8
26	Severe acute hepatitis in children: investigate SARS-CoV-2 superantigens.. *The Lancet Gastroenterology and Hepatology*, **2022**,	18.8	8
25	Recruitment of pro-IL-1β to mitochondrial cardiolipin, via shared LC3 binding domain, inhibits mitophagy and drives maximal NLRP3 activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	7
24	A monoclonal antibody against staphylococcal enterotoxin B superantigen inhibits SARS-CoV-2 entry **2020**,		6
23	Identification of a unique TCR repertoire, consistent with a superantigen selection process in Children with Multi-system Inflammatory Syndrome **2020**,		5
22	IL-1-dependent electrophysiological changes and cardiac neural remodeling in a mouse model of Kawasaki disease vasculitis. *Clinical and Experimental Immunology*, **2020**, 199, 303-313	6.2	5
21	A systems-level study reveals host-targeted repurposable drugs against SARS-CoV-2 infection. *Molecular Systems Biology*, **2021**, 17, e10239	12.2	5
20	TIR Domain-Containing Adapter-Inducing Beta Interferon (TRIF) Mediates Immunological Memory against Bacterial Pathogens. *Infection and Immunity*, **2015**, 83, 4404-15	3.7	4
19	Inositol-requiring enzyme-1 regulates phosphoinositide signaling lipids and macrophage growth. *EMBO Reports*, **2020**, 21, e51462	6.5	4
18	NLRP3 Inflammasome Mediates Immune-Stromal Interactions in Vasculitis. *Circulation Research*, **2021**, 129, e183-e200	15.7	4
17	Autophagy-mitophagy induction attenuates cardiovascular inflammation in a murine model of Kawasaki disease vasculitis. *JCI Insight*, **2021**, 6,	9.9	3

16	Quantification of Infectious Sendai Virus Using Plaque Assay. *Bio-protocol*, **2018**, 8,	0.9	2
15	Sendai Virus Propagation Using Chicken Eggs. *Bio-protocol*, **2018**, 8,	0.9	2
14	MicroRNA-223 Regulates the Development of Cardiovascular Lesions in LCWE-Induced Murine Kawasaki Disease Vasculitis by Repressing the NLRP3 Inflammasome. *Frontiers in Pediatrics*, **2021**, 9, 662953	3.4	2
13	Optimal tube length of orotracheal intubation for mice. *Laboratory Animals*, **2019**, 53, 79-83	2.6	2
12	Impact of new variants on SARS-CoV-2 infectivity and neutralization: A molecular assessment of the alterations in the spike-host protein interactions.. *IScience*, **2022**, 25, 103939	6.1	2
11	Deficiency of CCAAT/enhancer binding protein-epsilon reduces atherosclerotic lesions in LDLR-/- mice. *PLoS ONE*, **2014**, 9, e85341	3.7	1
10	Paradoxical sex-specific patterns of autoantibody response to SARS-CoV-2 infection.. *Journal of Translational Medicine*, **2021**, 19, 524	8.5	1
9	HMGB1 Mediates Endogenous TLR2 Activation And Brain Tumor Regression.. *FASEB Journal*, **2008**, 22, 515-515	0.9	1
8	Inhibition of IL-6 in the LCWE Mouse Model of Kawasaki Disease Inhibits Acute Phase Reactant Serum Amyloid A but Fails to Attenuate Vasculitis. *Frontiers in Immunology*, **2021**, 12, 630196	8.4	1
7	Characterization of the T Cell Response to Cell Wall Extract in Children With Kawasaki Disease and Its Potential Role in Vascular Inflammation. *Frontiers in Pediatrics*, **2021**, 9, 633244	3.4	1
6	Symptomology following mRNA vaccination against SARS-CoV-2. *Preventive Medicine*, **2021**, 153, 106860	4.3	0
5	POPsicle for Fever! Cooling Down the Inflammasome. *Immunity*, **2015**, 43, 213-5	32.3	
4	Validation of a bedside, on-line/smartphone algorithm to differentiate Kawasaki Disease from other febrile illnesses. *Journal of Pediatrics*, **2013**, 162, 1077-9	3.6	
3	Innate Immunity in Atherosclerosis136-146		
2	Rationale for Randomized Clinical Trials Investigating the Potential of BCG Vaccination in Preventing COVID-19 Infection. *Bladder Cancer*, **2021**, 7, 121-131	1	
1	Proteomics profiling reveals Spp1 deficiency to downregulate UCHL1 in macrophages and to associate with lysosome-mitochondria mediated apoptotic pathways.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 3, e055297	1.2	