

# Moshe Ardit

## List of Publications by Year in descending order

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88  
papers

6,579  
citations

101384

36  
h-index

71532

76  
g-index

94  
all docs

94  
docs citations

94  
times ranked

10095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidized Mitochondrial DNA Activates the NLRP3 Inflammasome during Apoptosis. <i>Immunity</i> , 2012, 36, 401-414.	6.6	1,618
2	Hexokinase Is an Innate Immune Receptor for the Detection of Bacterial Peptidoglycan. <i>Cell</i> , 2016, 166, 624-636.	13.5	401
3	Immunological Consequences of Intestinal Fungal Dysbiosis. <i>Cell Host and Microbe</i> , 2016, 19, 865-873.	5.1	329
4	Superantigenic character of an insert unique to SARS-CoV-2 spike supported by skewed TCR repertoire in patients with hyperinflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25254-25262.	3.3	252
5	Metformin inhibition of mitochondrial ATP and DNA synthesis abrogates NLRP3 inflammasome activation and pulmonary inflammation. <i>Immunity</i> , 2021, 54, 1463-1477.e11.	6.6	179
6	Interleukin-1 $\beta$ Is Crucial for the Induction of Coronary Artery Inflammation in a Mouse Model of Kawasaki Disease. <i>Circulation</i> , 2012, 125, 1542-1550.	1.6	178
7	Multisystem inflammatory syndrome in children is driven by zonulin-dependent loss of gut mucosal barrier. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	170
8	C9orf72 in myeloid cells suppresses STING-induced inflammation. <i>Nature</i> , 2020, 585, 96-101.	13.7	164
9	Kawasaki disease: pathophysiology and insights from mouse models. <i>Nature Reviews Rheumatology</i> , 2020, 16, 391-405.	3.5	147
10	Ogg1-Dependent DNA Repair Regulates NLRP3 Inflammasome and Prevents Atherosclerosis. <i>Circulation Research</i> , 2016, 119, e76-90.	2.0	135
11	HLA class II-associated expansion of TRBV11-2 T cells in multisystem inflammatory syndrome in children. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	130
12	Lipopolysaccharide Induces Alveolar Macrophage Necrosis via CD14 and the P2X7 Receptor Leading to Interleukin-1 $\beta$ Release. <i>Immunity</i> , 2015, 42, 640-653.	6.6	109
13	BCG vaccination history associates with decreased SARS-CoV-2 seroprevalence across a diverse cohort of health care workers. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	108
14	The autoimmune signature of hyperinflammatory multisystem inflammatory syndrome in children. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	103
15	SARS-CoV-2-related MIS-C: A key to the viral and genetic causes of Kawasaki disease?. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	100
16	Intestinal Permeability and IgA Provoke Immune Vasculitis Linked to Cardiovascular Inflammation. <i>Immunity</i> , 2019, 51, 508-521.e6.	6.6	96
17	Platelets Fuel the Inflammasome Activation of Innate Immune Cells. <i>Cell Reports</i> , 2020, 31, 107615.	2.9	96
18	SARS-CoV-2 specific antibody and neutralization assays reveal the wide range of the humoral immune response to virus. <i>Communications Biology</i> , 2021, 4, 129.	2.0	95

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19	Severe acute hepatitis in children: investigate SARS-CoV-2 superantigens. <i>The Lancet Gastroenterology and Hepatology</i> , 2022, 7, 594-595.	3.7	95
20	COVID-19-associated multisystem inflammatory syndrome in children (MIS-C): A novel disease that mimics toxic shock syndrome—the superantigen hypothesis. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 57-59.	1.5	87
21	Role of Interleukin-1 Signaling in a Mouse Model of Kawasaki Disease-Associated Abdominal Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 886-897.	1.1	85
22	TLR2 and MyD88 Contribute to <i>Lactobacillus casei</i> Extract-Induced Focal Coronary Arteritis in a Mouse Model of Kawasaki Disease. <i>Circulation</i> , 2005, 112, 2966-2973.	1.6	82
23	IL-1 Signaling Is Critically Required in Stromal Cells in Kawasaki Disease Vasculitis Mouse Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 2605-2616.	1.1	78
24	Quercetin Inhibits Inflammasome Activation by Interfering with ASC Oligomerization and Prevents Interleukin-1 Mediated Mouse Vasculitis. <i>Scientific Reports</i> , 2017, 7, 41539.	1.6	76
25	Involvement of Innate and Adaptive Immunity in a Murine Model of Coronary Arteritis Mimicking Kawasaki Disease. <i>Journal of Immunology</i> , 2009, 183, 5311-5318.	0.4	68
26	Group B Streptococcus Evades Host Immunity by Degrading Hyaluronan. <i>Cell Host and Microbe</i> , 2015, 18, 694-704.	5.1	66
27	<i>Chlamydia pneumoniae</i> Hijacks a Host Autoregulatory IL-1 <sup>β</sup> Loop to Drive Foam Cell Formation and Accelerate Atherosclerosis. <i>Cell Metabolism</i> , 2018, 28, 432-448.e4.	7.2	64
28	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). <i>Contemporary Clinical Trials</i> , 2016, 48, 70-75.	0.8	59
29	Immune pathogenesis of COVID-19-related multisystem inflammatory syndrome in children. <i>Journal of Clinical Investigation</i> , 2020, 130, 5619-5621.	3.9	58
30	Intercepting the Lipid-Induced Integrated Stress Response Reduces Atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1149-1169.	1.2	57
31	Multisystem Inflammatory Syndrome in Children and Long COVID: The SARS-CoV-2 Viral Superantigen Hypothesis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	56
32	Review: Found in Translation: International Initiatives Pursuing Interleukin-1 Blockade for Treatment of Acute Kawasaki Disease. <i>Arthritis and Rheumatology</i> , 2017, 69, 268-276.	2.9	51
33	Phase II Open Label Study of Anakinra in Intravenous Immunoglobulin-Resistant Kawasaki Disease. <i>Arthritis and Rheumatology</i> , 2021, 73, 151-161.	2.9	51
34	Young bone marrow transplantation preserves learning and memory in old mice. <i>Communications Biology</i> , 2019, 2, 73.	2.0	50
35	IL-1 receptor antagonist, anakinra, prevents myocardial dysfunction in a mouse model of Kawasaki disease vasculitis and myocarditis. <i>Clinical and Experimental Immunology</i> , 2019, 198, 101-110.	1.1	47
36	Inflammation and Pyroptosis Mediate Muscle Expansion in an Interleukin-1 <sup>β</sup> (IL-1 <sup>β</sup> )-dependent Manner. <i>Journal of Biological Chemistry</i> , 2015, 290, 6574-6583.	1.6	45

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37	Activated myeloid dendritic cells accumulate and co-localize with CD3+ T cells in coronary artery lesions in patients with Kawasaki disease. <i>Experimental and Molecular Pathology</i> , 2007, 83, 93-103.	0.9	43
38	Paradoxical sex-specific patterns of autoantibody response to SARS-CoV-2 infection. <i>Journal of Translational Medicine</i> , 2021, 19, 524.	1.8	42
39	Loss of testosterone impairs anti-tumor neutrophil function. <i>Nature Communications</i> , 2020, 11, 1613.	5.8	40
40	CD8+ T Cells Contribute to the Development of Coronary Arteritis in the <i>Lactobacillus casei</i> Cell Wall Extract-Induced Murine Model of Kawasaki Disease. <i>Arthritis and Rheumatology</i> , 2017, 69, 410-421.	2.9	38
41	A Comprehensive Update on Kawasaki Disease Vasculitis and Myocarditis. <i>Current Rheumatology Reports</i> , 2020, 22, 6.	2.1	37
42	Sex-Specific Effects of the Nlrp3 Inflammasome on Atherogenesis in LDL Receptor-Deficient Mice. <i>JACC Basic To Translational Science</i> , 2020, 5, 582-598.	1.9	36
43	Oxidative DNA Damage Accelerates Skin Inflammation in Pristane-Induced Lupus Model. <i>Frontiers in Immunology</i> , 2020, 11, 554725.	2.2	32
44	Impact of new variants on SARS-CoV-2 infectivity and neutralization: A molecular assessment of the alterations in the spike-host protein interactions. <i>IScience</i> , 2022, 25, 103939.	1.9	32
45	Nicotinamide Exacerbates Hypoxemia in Ventilator-Induced Lung Injury Independent of Neutrophil Infiltration. <i>PLoS ONE</i> , 2015, 10, e0123460.	1.1	31
46	Seroprevalence of antibodies to SARS-CoV-2 in healthcare workers: a cross-sectional study. <i>BMJ Open</i> , 2021, 11, e043584.	0.8	31
47	Autophagy Protects Against Developing Increased Lung Permeability and Hypoxemia by Down Regulating Inflammasome Activity and IL-1 $\beta$ in LPS Plus Mechanical Ventilation-Induced Acute Lung Injury. <i>Frontiers in Immunology</i> , 2020, 11, 207.	2.2	29
48	NLRP3 Inflammasome Mediates Immune-Stromal Interactions in Vasculitis. <i>Circulation Research</i> , 2021, 129, e183-e200.	2.0	29
49	Interleukin-1 Beta-Mediated Sex Differences in Kawasaki Disease Vasculitis Development and Response to Treatment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 802-818.	1.1	29
50	<i>Chlamydia pneumoniae</i> Infection in Mice Induces Chronic Lung Inflammation, iBALT Formation, and Fibrosis. <i>PLoS ONE</i> , 2013, 8, e77447.	1.1	29
51	A monoclonal antibody against staphylococcal enterotoxin B superantigen inhibits SARS-CoV-2 entry in vitro. <i>Structure</i> , 2021, 29, 951-962.e3.	1.6	28
52	Recruitment of pro-IL-1 $\beta$ to mitochondrial cardiolipin, via shared LC3 binding domain, inhibits mitophagy and drives maximal NLRP3 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
53	Mast Cells Play an Important Role in <i>Chlamydia pneumoniae</i> Lung Infection by Facilitating Immune Cell Recruitment into the Airway. <i>Journal of Immunology</i> , 2015, 194, 3840-3851.	0.4	23
54	Autophagy-mitophagy induction attenuates cardiovascular inflammation in a murine model of Kawasaki disease vasculitis. <i>JCI Insight</i> , 2021, 6, .	2.3	23

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55	A single infection with <i>Chlamydia pneumoniae</i> is sufficient to exacerbate atherosclerosis in ApoE deficient mice. <i>Cellular Immunology</i> , 2015, 294, 25-32.	1.4	22
56	ApoB-100-Related Peptide Vaccine Protects Against Angiotensin II-Induced Aortic Aneurysm Formation and Rupture. <i>Journal of the American College of Cardiology</i> , 2015, 65, 546-556.	1.2	22
57	<i>Chlamydia</i> and Lipids Engage a Common Signaling Pathway That Promotes Atherogenesis. <i>Journal of the American College of Cardiology</i> , 2018, 71, 1553-1570.	1.2	22
58	A systems-level study reveals host-targeted repurposable drugs against SARS-CoV-2 infection. <i>Molecular Systems Biology</i> , 2021, 17, e10239.	3.2	22
59	The Kawasaki Disease Comparative Effectiveness (KIDCARE) trial: A phase III, randomized trial of second intravenous immunoglobulin versus infliximab for resistant Kawasaki disease. <i>Contemporary Clinical Trials</i> , 2019, 79, 98-103.	0.8	21
60	Autophagy Limits Inflammasome During <i>Chlamydia pneumoniae</i> Infection. <i>Frontiers in Immunology</i> , 2019, 10, 754.	2.2	21
61	T-Cell-Intrinsic Receptor Interacting Protein 2 Regulates Pathogenic T Helper 17 Cell Differentiation. <i>Immunity</i> , 2018, 49, 873-885.e7.	6.6	19
62	Histone deacetylase inhibitors mediate DNA damage repair in ameliorating hemorrhagic cystitis. <i>Scientific Reports</i> , 2016, 6, 39257.	1.6	17
63	Inositol-requiring enzyme 1 regulates phosphoinositide signaling lipids and macrophage growth. <i>EMBO Reports</i> , 2020, 21, e51462.	2.0	16
64	Macrophage IL-12p70 Signaling Prevents HSV-1-Induced CNS Autoimmunity Triggered by Autoaggressive CD4 <sup>+</sup> Tregs. , 2011, 52, 2321.		15
65	Alternatively Spliced Myeloid Differentiation Protein-2 Inhibits TLR4-Mediated Lung Inflammation. <i>Journal of Immunology</i> , 2015, 194, 1686-1694.	0.4	14
66	Myocardial fibrosis after adrenergic stimulation as a long-term sequela in a mouse model of Kawasaki disease vasculitis. <i>JCI Insight</i> , 2019, 4, .	2.3	13
67	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. <i>PLoS Pathogens</i> , 2017, 13, e1006401.	2.1	13
68	MicroRNA-223 Regulates the Development of Cardiovascular Lesions in LCWE-Induced Murine Kawasaki Disease Vasculitis by Repressing the NLRP3 Inflammasome. <i>Frontiers in Pediatrics</i> , 2021, 9, 662953.	0.9	12
69	IL-2 Suppression of IL-12p70 by a Recombinant HSV-1 Expressing IL-2 Induces T-Cell Auto-Reactivity and CNS Demyelination. <i>PLoS ONE</i> , 2011, 6, e16820.	1.1	12
70	TGF- $\beta$ 1 inhibits the production of IFN in response to CpG DNA via ubiquitination of TNF receptor-associated factor (TRAF) 6. <i>Innate Immunity</i> , 2015, 21, 770-777.	1.1	10
71	IL-1-dependent electrophysiological changes and cardiac neural remodeling in a mouse model of Kawasaki disease vasculitis. <i>Clinical and Experimental Immunology</i> , 2020, 199, 303-313.	1.1	10
72	Optimal tube length of orotracheal intubation for mice. <i>Laboratory Animals</i> , 2019, 53, 79-83.	0.5	8

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73	Symptomology following mRNA vaccination against SARS-CoV-2. Preventive Medicine, 2021, 153, 106860.	1.6	7
74	Targeting IRE1 endoribonuclease activity alleviates cardiovascular lesions in a murine model of Kawasaki disease vasculitis. JCI Insight, 2022, 7, .	2.3	6
75	TIR Domain-Containing Adapter-Inducing Beta Interferon (TRIF) Mediates Immunological Memory against Bacterial Pathogens. Infection and Immunity, 2015, 83, 4404-4415.	1.0	4
76	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.	2.2	4
77	STOP the TRAFfic and Reduce the Plaque. Journal of the American College of Cardiology, 2018, 71, 543-546.	1.2	3
78	Quantification of Infectious Sendai Virus Using Plaque Assay. Bio-protocol, 2018, 8, .	0.2	3
79	Characterization of the T Cell Response to Lactobacillus casei Cell Wall Extract in Children With Kawasaki Disease and Its Potential Role in Vascular Inflammation. Frontiers in Pediatrics, 2021, 9, 633244.	0.9	2
80	Sendai virus propagation using chicken eggs. Bio-protocol, 2018, 8, .	0.2	2
81	Deficiency of CCAAT/Enhancer Binding Protein-Epsilon Reduces Atherosclerotic Lesions in LDLR <sup>-/-</sup> Mice. PLoS ONE, 2014, 9, e85341.	1.1	1
82	HMGB1 Mediates Endogenous TLR2 Activation And Brain Tumor Regression.. FASEB Journal, 2008, 22, 515-515.	0.2	1
83	Validation of a bedside, on-line/smartphone algorithm to differentiate Kawasaki Disease from other febrile illnesses. Journal of Pediatrics, 2013, 162, 1077-1079.	0.9	0
84	POPsicle for Fever! Cooling Down the Inflammasome. Immunity, 2015, 43, 213-215.	6.6	0
85	Rationale for Randomized Clinical Trials Investigating the Potential of BCG Vaccination in Preventing COVID-19 Infection. Bladder Cancer, 2021, 7, 121-131.	0.2	0
86	Innate Immunity in Atherosclerosis. , 0, , 136-146.		0
87	Abstract 12638: Autophagy-mitophagy Induction Improves Cardiovascular Inflammation in a Murine Model of Kawasaki Disease Vasculitis. Circulation, 2020, 142, .	1.6	0
88	Proteomics profiling reveals Spp1 deficiency to downregulate UCHL1 in macrophages and to associate with lysosomeâ€mitochondria mediated apoptotic pathways. Alzheimer's and Dementia, 2021, 17, e055297.	0.4	0