Hal M Hoffman

List of Publications by Year in Descending Order

112 papers	13,546 citations	53 h-index	116 g-index
126 ext. papers	16,249 ext. citations	11.4 avg, IF	6.22 L-index

#	Paper	IF	Citations
112	Nlrp3 activation causes spontaneous inflammation and fibrosis that mimics human NASH.. *Hepatology*, **2022**,	11.2	3
111	Targeting interleukin-1 for reversing fat browning and muscle wasting in infantile nephropathic cystinosis. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**, 12, 1296-1311	10.3	2
110	The role of IL-1 in adipose browning and muscle wasting in CKD-associated cachexia. *Scientific Reports*, **2021**, 11, 15141	4.9	2
109	Hepatocyte pyroptosis and release of inflammasome particles induce stellate cell activation and liver fibrosis. *Journal of Hepatology*, **2021**, 74, 156-167	13.4	68
108	Opportunistic Invasive Infection by Group A Streptococcus During Anti-Interleukin-6 Immunotherapy. *Journal of Infectious Diseases*, **2021**, 223, 1260-1264	7	3
107	Inhibition of the NLRP3 inflammasome prevents ovarian aging. *Science Advances*, **2021**, 7,	14.3	19
106	Inflammasome Activation in Children With Kawasaki Disease and Multisystem Inflammatory Syndrome. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 2509-2511	9.4	2
105	Neutrophil-specific gain-of-function mutations in Nlrp3 promote development of cryopyrin-associated periodic syndrome. *Journal of Experimental Medicine*, **2021**, 218,	16.6	6
104	ASK1 inhibition reduces cell death and hepatic fibrosis in an Nlrp3 mutant liver injury model. *JCI Insight*, **2020**, 5,	9.9	20
103	Vitamin D repletion ameliorates adipose tissue browning and muscle wasting in infantile nephropathic cystinosis-associated cachexia. *Journal of Cachexia, Sarcopenia and Muscle*, **2020**, 11, 120-134	10.3	13
102	Pediatric recurrent fever and autoinflammation from the perspective of an allergist/immunologist. *Journal of Allergy and Clinical Immunology*, **2020**, 146, 960-966.e2	11.5	3
101	Monogenic autoinflammatory disorders: Conceptual overview, phenotype, and clinical approach. *Journal of Allergy and Clinical Immunology*, **2020**, 146, 925-937	11.5	17
100	Vitamin D ameliorates adipose browning in chronic kidney disease cachexia. *Scientific Reports*, **2020** , 10, 14175	4.9	7
99	Differential Immune Activation in Fetal Macrophage Populations. *Scientific Reports*, **2019**, 9, 7677	4.9	9
98	Partial Jacobsen syndrome phenotype in a patient with a de novo frameshift mutation in the ETS1 transcription factor. *Journal of Physical Education and Sports Management*, **2019**, 5,	2.8	5
97	CAPS and NLRP3. *Journal of Clinical Immunology*, **2019**, 39, 277-286	5.7	70
96	Classification criteria for autoinflammatory recurrent fevers. *Annals of the Rheumatic Diseases*, **2019**, 78, 1025-1032	2.4	159

95	Choline Uptake and Metabolism Modulate Macrophage IL-1β and IL-18 Production. *Cell Metabolism*, **2019**, 29, 1350-1362.e7	24.6	74
94	Cryopyrin-Associated Periodic Syndromes (CAPS) **2019**, 347-365		1
93	Mutations in topoisomerase IIβ result in a B cell immunodeficiency. *Nature Communications*, **2019**, 10, 3644	17.4	24
92	Alternative splicing regulates stochastic NLRP3 activity. *Nature Communications*, **2019**, 10, 3238	17.4	33
91	NLR Family Pyrin Domain-Containing 3 Inflammasome Activation in Hepatic Stellate Cells Induces Liver Fibrosis in Mice. *Hepatology*, **2019**, 69, 845-859	11.2	49
90	TLR Activation Alters Bone Marrow-Derived Macrophage Differentiation. *Journal of Innate Immunity*, **2019**, 11, 99-108	6.9	2
89	New workflow for classification of genetic variantsSpathogenicity applied to hereditary recurrent fevers by the International Study Group for Systemic Autoinflammatory Diseases (INSAID). *Journal of Medical Genetics*, **2018**, 55, 530-537	5.8	73
88	Selective inhibition of the p38α-MAPK-MK2 axis inhibits inflammatory cues including inflammasome priming signals. *Journal of Experimental Medicine*, **2018**, 215, 1315-1325	16.6	37
87	NLRP3 inflammasome driven liver injury and fibrosis: Roles of IL-17 and TNF in mice. *Hepatology*, **2018**, 67, 736-749	11.2	98
86	JAK inhibitors in autoinflammation. *Journal of Clinical Investigation*, **2018**, 128, 2760-2762	15.9	10
85	Neutrophils: New insights and open questions. *Science Immunology*, **2018**, 3,	28	180
84	The innate immune response in fetal lung mesenchymal cells targets VEGFR2 expression and activity. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 312, L861-L872	5.8	3
83	Cutting Edge: Targeting Epithelial ORMDL3 Increases, Rather than Reduces, Airway Responsiveness and Is Associated with Increased Sphingosine-1-Phosphate. *Journal of Immunology*, **2017**, 198, 3017-3022	5.3	35
82	Diagnostic criteria for cryopyrin-associated periodic syndrome (CAPS). *Annals of the Rheumatic Diseases*, **2017**, 76, 942-947	2.4	122
81	mutation and cochlear autoinflammation cause syndromic and nonsyndromic hearing loss DFNA34 responsive to anakinra therapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7766-E7775	11.5	66
80	Group A streptococcal M protein activates the NLRP3 inflammasome. *Nature Microbiology*, **2017**, 2, 1425-1434	26.8	42
79	A guiding map for inflammation. *Nature Immunology*, **2017**, 18, 826-831	19.1	284
78	Increased Neutrophil Secretion Induced by Mutation Links the Inflammasome to Azurophilic Granule Exocytosis. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 507	5.9	14

77	Intestinal fungi contribute to development of alcoholic liver disease. *Journal of Clinical Investigation*, **2017**, 127, 2829-2841	15.9	209
76	TNF regulates transcription of NLRP3 inflammasome components and inflammatory molecules in cryopyrinopathies. *Journal of Clinical Investigation*, **2017**, 127, 4488-4497	15.9	84
75	Safety of vaccinations in patients with cryopyrin-associated periodic syndromes: a prospective registry based study. *Rheumatology*, **2017**, 56, 1484-1491	3.9	37
74	IL-1 is an innate immune sensor of microbial proteolysis. *Science Immunology*, **2016**, 1,	28	73
73	GSDMB induces an asthma phenotype characterized by increased airway responsiveness and remodeling without lung inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13132-13137	11.5	83
72	NF-B Restricts Inflammasome Activation via Elimination of Damaged Mitochondria. *Cell*, **2016**, 164, 896-910	56.2	606
71	IL-1and Inflammasome Activity Link Inflammation to Abnormal Fetal Airway Development. *Journal of Immunology*, **2016**, 196, 3411-20	5.3	32
70	The role of the inflammasome in patients with autoinflammatory diseases. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 3-14	11.5	46
69	The inflammasome adaptor ASC contributes to multiple innate immune processes in the resolution of otitis media. *Innate Immunity*, **2015**, 21, 203-14	2.7	24
68	Transplantation: Outcomes of prenatal immunosuppression. *Nature Reviews Nephrology*, **2015**, 11, 390-1	14.9	1
67	The PYRIN Domain-only Protein POP1 Inhibits Inflammasome Assembly and Ameliorates Inflammatory Disease. *Immunity*, **2015**, 43, 264-76	32.3	74
66	The inflammasomes and autoinflammatory syndromes. *Annual Review of Pathology: Mechanisms of Disease*, **2015**, 10, 395-424	34	190
65	NLRP3 mediates osteolysis through inflammation-dependent and -independent mechanisms. *FASEB Journal*, **2015**, 29, 1269-79	0.9	43
64	Tr1 Cells, but Not Foxp3+ Regulatory T Cells, Suppress NLRP3 Inflammasome Activation via an IL-10-Dependent Mechanism. *Journal of Immunology*, **2015**, 195, 488-97	5.3	80
63	Independent roles of the priming and the triggering of the NLRP3 inflammasome in the heart. *Cardiovascular Research*, **2015**, 105, 203-12	9.9	50
62	Inflammasome activation leads to Caspase-1-dependent mitochondrial damage and block of mitophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 15514-9	11.5	255
61	cASCading specks. *Nature Immunology*, **2014**, 15, 698-700	19.1	12
60	NLRP3 inflammasome activation is required for fibrosis development in NAFLD. *Journal of Molecular Medicine*, **2014**, 92, 1069-82	5.5	271

59	IB kinase activity drives fetal lung macrophage maturation along a non-M1/M2 paradigm. *Journal of Immunology*, **2014**, 193, 1184-93	5.3	14
58	Possible cold autoinflammatory syndrome. *Journal of Allergy and Clinical Immunology: in Practice*, **2014**, 2, 642	5.4	
57	NLRP3 inflammasome activation results in hepatocyte pyroptosis, liver inflammation, and fibrosis in mice. *Hepatology*, **2014**, 59, 898-910	11.2	503
56	Mutations of complement factor I and potential mechanisms of neuroinflammation in acute hemorrhagic leukoencephalitis. *Journal of Clinical Immunology*, **2013**, 33, 162-71	5.7	18
55	From NAFLD to NASH to cirrhosis-new insights into disease mechanisms. *Nature Reviews Gastroenterology and Hepatology*, **2013**, 10, 627-36	24.2	381
54	Divergence of IL-1, IL-18, and cell death in NLRP3 inflammasomopathies. *Journal of Clinical Investigation*, **2013**, 123, 4695-705	15.9	141
53	Cold urticaria, immunodeficiency, and autoimmunity related to PLCG2 deletions. *New England Journal of Medicine*, **2012**, 366, 330-8	59.2	288
52	Cutting edge: IL-6 is a marker of inflammation with no direct role in inflammasome-mediated mouse models. *Journal of Immunology*, **2012**, 189, 2707-11	5.3	52
51	Long-term efficacy and safety profile of rilonacept in the treatment of cryopryin-associated periodic syndromes: results of a 72-week open-label extension study. *Clinical Therapeutics*, **2012**, 34, 2091-103	3.5	84
50	Prolonged urticaria and fever in a toddler. *Allergy and Asthma Proceedings*, **2012**, 33, 297-301	2.6	3
49	Constitutively activated NLRP3 inflammasome causes inflammation and abnormal skeletal development in mice. *PLoS ONE*, **2012**, 7, e35979	3.7	78
48	Hoffman syndrome: New patients, new insights. *American Journal of Medical Genetics, Part A*, **2011**, 155A, 149-53	2.5	7
47	Recurrent fever syndromes in patients after recovery from Kawasaki syndrome. *Pediatrics*, **2011**, 127, e489-93	7.4	10
46	Autoinflammation: translating mechanism to therapy. *Journal of Leukocyte Biology*, **2011**, 90, 37-47	6.5	22
45	Genetic and molecular basis of inflammasome-mediated disease. *Journal of Biological Chemistry*, **2011**, 286, 10889-96	5.4	57
44	Interleukin 1 receptor signaling regulates DUBA expression and facilitates Toll-like receptor 9-driven antiinflammatory cytokine production. *Journal of Experimental Medicine*, **2010**, 207, 2799-807	16.6	57
43	An inflammasome-independent role for epithelial-expressed Nlrp3 in renal ischemia-reperfusion injury. *Journal of Immunology*, **2010**, 185, 6277-85	5.3	191
42	Inflammasome and IL-1beta-mediated disorders. *Current Allergy and Asthma Reports*, **2010**, 10, 229-35	5.6	112

41	Role of the leucine-rich repeat domain of cryopyrin/NALP3 in monosodium urate crystal-induced inflammation in mice. *Arthritis and Rheumatism*, **2010**, 62, 2170-9		42
40	NLRP3/cryopyrin is necessary for interleukin-1beta (IL-1beta) release in response to hyaluronan, an endogenous trigger of inflammation in response to injury. *Journal of Biological Chemistry*, **2009**, 284, 12762-71	5.4	219
39	Rilonacept for the treatment of cryopyrin-associated periodic syndromes (CAPS). *Expert Opinion on Biological Therapy*, **2009**, 9, 519-31	5.4	50
38	Glyburide inhibits the Cryopyrin/Nalp3 inflammasome. *Journal of Cell Biology*, **2009**, 187, 61-70	7.3	557
37	Inflammasome-mediated disease animal models reveal roles for innate but not adaptive immunity. *Immunity*, **2009**, 30, 875-87	32.3	238
36	Familial atypical cold urticaria: description of a new hereditary disease. *Journal of Allergy and Clinical Immunology*, **2009**, 124, 1245-50	11.5	56
35	Therapy of autoinflammatory syndromes. *Journal of Allergy and Clinical Immunology*, **2009**, 124, 1129-38; quiz 1139-40	11.5	70
34	Recurrent febrile syndromes: what a rheumatologist needs to know. *Nature Reviews Rheumatology*, **2009**, 5, 249-56	8.1	33
33	Hereditary Disorders with Urticaria or Angioedema **2009**, 261-284B		
32	The NLR gene family: a standard nomenclature. *Immunity*, **2008**, 28, 285-7	32.3	618
31	Misstatements on cryopyrin-associated periodic fevers. *Annals of Allergy, Asthma and Immunology*, **2008**, 101, 111-2	3.2	
30	Cryopyrin-associated periodic syndromes: development of a patient-reported outcomes instrument to assess the pattern and severity of clinical disease activity. *Current Medical Research and Opinion*, **2008**, 24, 2531-43	2.5	12
29	Insight into the inflammasome and caspase-activating mechanisms. *Expert Review of Clinical Immunology*, **2008**, 4, 61-77	5.1	6
28	The infevers autoinflammatory mutation online registry: update with new genes and functions. *Human Mutation*, **2008**, 29, 803-8	4.7	189
27	Efficacy and safety of rilonacept (interleukin-1 Trap) in patients with cryopyrin-associated periodic syndromes: results from two sequential placebo-controlled studies. *Arthritis and Rheumatism*, **2008**, 58, 2443-52		443
26	Monocytes from familial cold autoinflammatory syndrome patients are activated by mild hypothermia. *Journal of Allergy and Clinical Immunology*, **2007**, 119, 991-6	11.5	43
25	The clinical continuum of cryopyrinopathies: novel CIAS1 mutations in North American patients and a new cryopyrin model. *Arthritis and Rheumatism*, **2007**, 56, 1273-1285		304
24	Association between celiac sprue and cryopyrin associated autoinflammatory disorders: a case report. *Pediatric Rheumatology*, **2007**, 5, 12	3.5	8

23	Response to IL-1-receptor antagonist in a child with familial cold autoinflammatory syndrome. *Pediatric Dermatology*, **2007**, 24, 85-9	1.9	22
22	Successful treatment of renal amyloidosis due to familial cold autoinflammatory syndrome using an interleukin 1 receptor antagonist. *American Journal of Kidney Diseases*, **2007**, 49, 477-81	7.4	47
21	Hereditary immunologic disorders caused by pyrin and cryopyrin. *Current Allergy and Asthma Reports*, **2007**, 7, 323-30	5.6	7
20	MDP-induced interleukin-1beta processing requires Nod2 and CIAS1/NALP3. *Journal of Leukocyte Biology*, **2007**, 82, 177-83	6.5	113
19	Chapter 10 Episodic Autoinflammatory Disorders in Children. *Handbook of Systemic Autoimmune Diseases*, **2007**, 6, 119-281	0.3	4
18	Microbial pathogen-induced necrotic cell death mediated by the inflammasome components CIAS1/cryopyrin/NLRP3 and ASC. *Cell Host and Microbe*, **2007**, 2, 147-59	23.4	244
17	A severe case of chronic infantile neurologic, cutaneous, articular syndrome treated with biologic agents. *Arthritis and Rheumatism*, **2006**, 54, 2314-20		49
16	Anakinra for the treatment of neonatal-onset multisystem inflammatory disease. *Nature Clinical Practice Rheumatology*, **2006**, 2, 646-7		8
15	CATERPILLERs, pyrin and hereditary immunological disorders. *Nature Reviews Immunology*, **2006**, 6, 183-95	36.5	282
14	IL-converting enzyme/caspase-1 inhibitor VX-765 blocks the hypersensitive response to an inflammatory stimulus in monocytes from familial cold autoinflammatory syndrome patients. *Journal of Immunology*, **2005**, 175, 2630-4	5.3	145
13	Infevers: an evolving mutation database for auto-inflammatory syndromes. *Human Mutation*, **2004**, 24, 194-8	4.7	211
12	The spectrum of acquired and familial cold-induced urticaria/urticaria-like syndromes. *Immunology and Allergy Clinics of North America*, **2004**, 24, 259-86, vii	3.3	76
11	Structural, expression, and evolutionary analysis of mouse CIAS1. *Gene*, **2004**, 338, 25-34	3.8	43
10	Prevention of cold-associated acute inflammation in familial cold autoinflammatory syndrome by interleukin-1 receptor antagonist. *Lancet, The*, **2004**, 364, 1779-85	40	459
9	Fine structure mapping of CIAS1: identification of an ancestral haplotype and a common FCAS mutation, L353P. *Human Genetics*, **2003**, 112, 209-16	6.3	66
8	A large kindred with familial cold autoinflammatory syndrome. *Annals of Allergy, Asthma and Immunology*, **2003**, 90, 233-7	3.2	22
7	De novo CIAS1 mutations, cytokine activation, and evidence for genetic heterogeneity in patients with neonatal-onset multisystem inflammatory disease (NOMID): a new member of the expanding family of pyrin-associated autoinflammatory diseases. *Arthritis and Rheumatism*, **2002**, 46, 3340-8		617
6	The cardiac mechanical stretch sensor machinery involves a Z disc complex that is defective in a subset of human dilated cardiomyopathy. *Cell*, **2002**, 111, 943-55	56.2	631

5	Mutation of a new gene encoding a putative pyrin-like protein causes familial cold autoinflammatory syndrome and Muckle-Wells syndrome. *Nature Genetics*, **2001**, 29, 301-5	36.3	1237
4	Familial cold autoinflammatory syndrome: phenotype and genotype of an autosomal dominant periodic fever. *Journal of Allergy and Clinical Immunology*, **2001**, 108, 615-20	11.5	254
3	Humoral immunodeficiency with facial dysmorphology and limb anomalies: a new syndrome. *Clinical Dysmorphology*, **2001**, 10, 1-8	0.9	12
2	Identification of a locus on chromosome 1q44 for familial cold urticaria. *American Journal of Human Genetics*, **2000**, 66, 1693-8	11	94
1	Mast cell adenosine induced calcium mobilization via Gi3 and Gq proteins. *Inflammation*, **1997**, 21, 55-68	5.1	9