

Hal M Hoffman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Mutation of a new gene encoding a putative pyrin-like protein causes familial cold autoinflammatory syndrome and Muckle-Wells syndrome. <i>Nature Genetics</i> , 2001 , 29, 301-5	36.3	1237
111	The cardiac mechanical stretch sensor machinery involves a Z disc complex that is defective in a subset of human dilated cardiomyopathy. <i>Cell</i> , 2002 , 111, 943-55	56.2	631
110	The NLR gene family: a standard nomenclature. <i>Immunity</i> , 2008 , 28, 285-7	32.3	618
109	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. <i>Arthritis and Rheumatism</i> , 2002 , 46, 3340-8		617
108	NF- κ B Restricts Inflammasome Activation via Elimination of Damaged Mitochondria. <i>Cell</i> , 2016 , 164, 896-910	56.2	606
107	Glyburide inhibits the Cryopyrin/Nalp3 inflammasome. <i>Journal of Cell Biology</i> , 2009 , 187, 61-70	7.3	557
106	NLRP3 inflammasome activation results in hepatocyte pyroptosis, liver inflammation, and fibrosis in mice. <i>Hepatology</i> , 2014 , 59, 898-910	11.2	503
105	Prevention of cold-associated acute inflammation in familial cold autoinflammatory syndrome by interleukin-1 receptor antagonist. <i>Lancet, The</i> , 2004 , 364, 1779-85	40	459
104	Efficacy and safety of rilonacept (interleukin-1 Trap) in patients with cryopyrin-associated periodic syndromes: results from two sequential placebo-controlled studies. <i>Arthritis and Rheumatism</i> , 2008 , 58, 2443-52		443
103	From NAFLD to NASH to cirrhosis-new insights into disease mechanisms. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2013 , 10, 627-36	24.2	381
102	The clinical continuum of cryopyrinopathies: novel CIAS1 mutations in North American patients and a new cryopyrin model. <i>Arthritis and Rheumatism</i> , 2007 , 56, 1273-1285		304
101	Cold urticaria, immunodeficiency, and autoimmunity related to PLCG2 deletions. <i>New England Journal of Medicine</i> , 2012 , 366, 330-8	59.2	288
100	A guiding map for inflammation. <i>Nature Immunology</i> , 2017 , 18, 826-831	19.1	284
99	CATERPILLERS, pyrin and hereditary immunological disorders. <i>Nature Reviews Immunology</i> , 2006 , 6, 183-95.5	95.5	282
98	NLRP3 inflammasome activation is required for fibrosis development in NAFLD. <i>Journal of Molecular Medicine</i> , 2014 , 92, 1069-82	5.5	271
97	Inflammasome activation leads to Caspase-1-dependent mitochondrial damage and block of mitophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15514-9	11.5	255
96	Familial cold autoinflammatory syndrome: phenotype and genotype of an autosomal dominant periodic fever. <i>Journal of Allergy and Clinical Immunology</i> , 2001 , 108, 615-20	11.5	254

95	Microbial pathogen-induced necrotic cell death mediated by the inflammasome components CIAS1/cryopyrin/NLRP3 and ASC. <i>Cell Host and Microbe</i> , 2007 , 2, 147-59	23.4	244
94	Inflammasome-mediated disease animal models reveal roles for innate but not adaptive immunity. <i>Immunity</i> , 2009 , 30, 875-87	32.3	238
93	NLRP3/cryopyrin is necessary for interleukin-1beta (IL-1beta) release in response to hyaluronan, an endogenous trigger of inflammation in response to injury. <i>Journal of Biological Chemistry</i> , 2009 , 284, 12762-71	5.4	219
92	Infevers: an evolving mutation database for auto-inflammatory syndromes. <i>Human Mutation</i> , 2004 , 24, 194-8	4.7	211
91	Intestinal fungi contribute to development of alcoholic liver disease. <i>Journal of Clinical Investigation</i> , 2017 , 127, 2829-2841	15.9	209
90	An inflammasome-independent role for epithelial-expressed Nlrp3 in renal ischemia-reperfusion injury. <i>Journal of Immunology</i> , 2010 , 185, 6277-85	5.3	191
89	The inflammasomes and autoinflammatory syndromes. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2015 , 10, 395-424	34	190
88	The infevers autoinflammatory mutation online registry: update with new genes and functions. <i>Human Mutation</i> , 2008 , 29, 803-8	4.7	189
87	Neutrophils: New insights and open questions. <i>Science Immunology</i> , 2018 , 3,	28	180
86	Classification criteria for autoinflammatory recurrent fevers. <i>Annals of the Rheumatic Diseases</i> , 2019 , 78, 1025-1032	2.4	159
85	IL-converting enzyme/caspase-1 inhibitor VX-765 blocks the hypersensitive response to an inflammatory stimulus in monocytes from familial cold autoinflammatory syndrome patients. <i>Journal of Immunology</i> , 2005 , 175, 2630-4	5.3	145
84	Divergence of IL-1, IL-18, and cell death in NLRP3 inflammasomopathies. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4695-705	15.9	141
83	Diagnostic criteria for cryopyrin-associated periodic syndrome (CAPS). <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 942-947	2.4	122
82	MDP-induced interleukin-1beta processing requires Nod2 and CIAS1/NALP3. <i>Journal of Leukocyte Biology</i> , 2007 , 82, 177-83	6.5	113
81	Inflammasome and IL-1beta-mediated disorders. <i>Current Allergy and Asthma Reports</i> , 2010 , 10, 229-35	5.6	112
80	NLRP3 inflammasome driven liver injury and fibrosis: Roles of IL-17 and TNF in mice. <i>Hepatology</i> , 2018 , 67, 736-749	11.2	98
79	Identification of a locus on chromosome 1q44 for familial cold urticaria. <i>American Journal of Human Genetics</i> , 2000 , 66, 1693-8	11	94
78	Long-term efficacy and safety profile of riloncept in the treatment of cryopyrin-associated periodic syndromes: results of a 72-week open-label extension study. <i>Clinical Therapeutics</i> , 2012 , 34, 2091-103	3.5	84

77	TNF regulates transcription of NLRP3 inflammasome components and inflammatory molecules in cryopyrinopathies. <i>Journal of Clinical Investigation</i> , 2017 , 127, 4488-4497	15.9	84
76	GSDMB induces an asthma phenotype characterized by increased airway responsiveness and remodeling without lung inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13132-13137	11.5	83
75	Tr1 Cells, but Not Foxp3+ Regulatory T Cells, Suppress NLRP3 Inflammasome Activation via an IL-10-Dependent Mechanism. <i>Journal of Immunology</i> , 2015 , 195, 488-97	5.3	80
74	Constitutively activated NLRP3 inflammasome causes inflammation and abnormal skeletal development in mice. <i>PLoS ONE</i> , 2012 , 7, e35979	3.7	78
73	The spectrum of acquired and familial cold-induced urticaria/urticaria-like syndromes. <i>Immunology and Allergy Clinics of North America</i> , 2004 , 24, 259-86, vii	3.3	76
72	Choline Uptake and Metabolism Modulate Macrophage IL-1 β and IL-18 Production. <i>Cell Metabolism</i> , 2019 , 29, 1350-1362.e7	24.6	74
71	The PYRIN Domain-only Protein POP1 Inhibits Inflammasome Assembly and Ameliorates Inflammatory Disease. <i>Immunity</i> , 2015 , 43, 264-76	32.3	74
70	New workflow for classification of genetic variants Spathogenicity applied to hereditary recurrent fevers by the International Study Group for Systemic Autoinflammatory Diseases (INSAID). <i>Journal of Medical Genetics</i> , 2018 , 55, 530-537	5.8	73
69	IL-1 β is an innate immune sensor of microbial proteolysis. <i>Science Immunology</i> , 2016 , 1,	28	73
68	CAPS and NLRP3. <i>Journal of Clinical Immunology</i> , 2019 , 39, 277-286	5.7	70
67	Therapy of autoinflammatory syndromes. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 124, 1129-38; quiz 1139-40	11.5	70
66	Hepatocyte pyroptosis and release of inflammasome particles induce stellate cell activation and liver fibrosis. <i>Journal of Hepatology</i> , 2021 , 74, 156-167	13.4	68
65	mutation and cochlear autoinflammation cause syndromic and nonsyndromic hearing loss DFNA34 responsive to anakinra therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7766-E7775	11.5	66
64	Fine structure mapping of CIAS1: identification of an ancestral haplotype and a common FCAS mutation, L353P. <i>Human Genetics</i> , 2003 , 112, 209-16	6.3	66
63	Interleukin 1 receptor signaling regulates DUBA expression and facilitates Toll-like receptor 9-driven antiinflammatory cytokine production. <i>Journal of Experimental Medicine</i> , 2010 , 207, 2799-807	16.6	57
62	Genetic and molecular basis of inflammasome-mediated disease. <i>Journal of Biological Chemistry</i> , 2011 , 286, 10889-96	5.4	57
61	Familial atypical cold urticaria: description of a new hereditary disease. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 124, 1245-50	11.5	56
60	Cutting edge: IL-6 is a marker of inflammation with no direct role in inflammasome-mediated mouse models. <i>Journal of Immunology</i> , 2012 , 189, 2707-11	5.3	52

59	Independent roles of the priming and the triggering of the NLRP3 inflammasome in the heart. <i>Cardiovascular Research</i> , 2015 , 105, 203-12	9.9	50
58	Rilonacept for the treatment of cryopyrin-associated periodic syndromes (CAPS). <i>Expert Opinion on Biological Therapy</i> , 2009 , 9, 519-31	5.4	50
57	A severe case of chronic infantile neurologic, cutaneous, articular syndrome treated with biologic agents. <i>Arthritis and Rheumatism</i> , 2006 , 54, 2314-20		49
56	NLR Family Pyrin Domain-Containing 3 Inflammasome Activation in Hepatic Stellate Cells Induces Liver Fibrosis in Mice. <i>Hepatology</i> , 2019 , 69, 845-859	11.2	49
55	Successful treatment of renal amyloidosis due to familial cold autoinflammatory syndrome using an interleukin 1 receptor antagonist. <i>American Journal of Kidney Diseases</i> , 2007 , 49, 477-81	7.4	47
54	The role of the inflammasome in patients with autoinflammatory diseases. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 3-14	11.5	46
53	NLRP3 mediates osteolysis through inflammation-dependent and -independent mechanisms. <i>FASEB Journal</i> , 2015 , 29, 1269-79	0.9	43
52	Monocytes from familial cold autoinflammatory syndrome patients are activated by mild hypothermia. <i>Journal of Allergy and Clinical Immunology</i> , 2007 , 119, 991-6	11.5	43
51	Structural, expression, and evolutionary analysis of mouse CIAS1. <i>Gene</i> , 2004 , 338, 25-34	3.8	43
50	Group A streptococcal M protein activates the NLRP3 inflammasome. <i>Nature Microbiology</i> , 2017 , 2, 1425-1434	21.6	42
49	Role of the leucine-rich repeat domain of cryopyrin/NALP3 in monosodium urate crystal-induced inflammation in mice. <i>Arthritis and Rheumatism</i> , 2010 , 62, 2170-9		42
48	Selective inhibition of the p38/MAPK-MK2 axis inhibits inflammatory cues including inflammasome priming signals. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1315-1325	16.6	37
47	Safety of vaccinations in patients with cryopyrin-associated periodic syndromes: a prospective registry based study. <i>Rheumatology</i> , 2017 , 56, 1484-1491	3.9	37
46	Cutting Edge: Targeting Epithelial ORMDL3 Increases, Rather than Reduces, Airway Responsiveness and Is Associated with Increased Sphingosine-1-Phosphate. <i>Journal of Immunology</i> , 2017 , 198, 3017-3022	5.3	35
45	Alternative splicing regulates stochastic NLRP3 activity. <i>Nature Communications</i> , 2019 , 10, 3238	17.4	33
44	Recurrent febrile syndromes: what a rheumatologist needs to know. <i>Nature Reviews Rheumatology</i> , 2009 , 5, 249-56	8.1	33
43	IL-1 and Inflammasome Activity Link Inflammation to Abnormal Fetal Airway Development. <i>Journal of Immunology</i> , 2016 , 196, 3411-20	5.3	32
42	The inflammasome adaptor ASC contributes to multiple innate immune processes in the resolution of otitis media. <i>Innate Immunity</i> , 2015 , 21, 203-14	2.7	24

41	Mutations in topoisomerase III result in a B cell immunodeficiency. <i>Nature Communications</i> , 2019 , 10, 3644	17.4	24
40	Autoinflammation: translating mechanism to therapy. <i>Journal of Leukocyte Biology</i> , 2011 , 90, 37-47	6.5	22
39	Response to IL-1-receptor antagonist in a child with familial cold autoinflammatory syndrome. <i>Pediatric Dermatology</i> , 2007 , 24, 85-9	1.9	22
38	A large kindred with familial cold autoinflammatory syndrome. <i>Annals of Allergy, Asthma and Immunology</i> , 2003 , 90, 233-7	3.2	22
37	ASK1 inhibition reduces cell death and hepatic fibrosis in an Nlrp3 mutant liver injury model. <i>JCI Insight</i> , 2020 , 5,	9.9	20
36	Inhibition of the NLRP3 inflammasome prevents ovarian aging. <i>Science Advances</i> , 2021 , 7,	14.3	19
35	Mutations of complement factor I and potential mechanisms of neuroinflammation in acute hemorrhagic leukoencephalitis. <i>Journal of Clinical Immunology</i> , 2013 , 33, 162-71	5.7	18
34	Monogenic autoinflammatory disorders: Conceptual overview, phenotype, and clinical approach. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 146, 925-937	11.5	17
33	IRAK kinase activity drives fetal lung macrophage maturation along a non-M1/M2 paradigm. <i>Journal of Immunology</i> , 2014 , 193, 1184-93	5.3	14
32	Increased Neutrophil Secretion Induced by Mutation Links the Inflammasome to Azurophilic Granule Exocytosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 507	5.9	14
31	Vitamin D repletion ameliorates adipose tissue browning and muscle wasting in infantile nephropathic cystinosis-associated cachexia. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020 , 11, 120-134	10.3	13
30	cASCading specks. <i>Nature Immunology</i> , 2014 , 15, 698-700	19.1	12
29	Cryopyrin-associated periodic syndromes: development of a patient-reported outcomes instrument to assess the pattern and severity of clinical disease activity. <i>Current Medical Research and Opinion</i> , 2008 , 24, 2531-43	2.5	12
28	Humoral immunodeficiency with facial dysmorphism and limb anomalies: a new syndrome. <i>Clinical Dysmorphology</i> , 2001 , 10, 1-8	0.9	12
27	Recurrent fever syndromes in patients after recovery from Kawasaki syndrome. <i>Pediatrics</i> , 2011 , 127, e489-93	7.4	10
26	JAK inhibitors in autoinflammation. <i>Journal of Clinical Investigation</i> , 2018 , 128, 2760-2762	15.9	10
25	Differential Immune Activation in Fetal Macrophage Populations. <i>Scientific Reports</i> , 2019 , 9, 7677	4.9	9
24	Mast cell adenosine induced calcium mobilization via Gi3 and Gq proteins. <i>Inflammation</i> , 1997 , 21, 55-68	5.1	9

23	Association between celiac sprue and cryopyrin associated autoinflammatory disorders: a case report. <i>Pediatric Rheumatology</i> , 2007 , 5, 12	3.5	8
22	Anakinra for the treatment of neonatal-onset multisystem inflammatory disease. <i>Nature Clinical Practice Rheumatology</i> , 2006 , 2, 646-7		8
21	Hoffman syndrome: New patients, new insights. <i>American Journal of Medical Genetics, Part A</i> , 2011 , 155A, 149-53	2.5	7
20	Hereditary immunologic disorders caused by pyrin and cryopyrin. <i>Current Allergy and Asthma Reports</i> , 2007 , 7, 323-30	5.6	7
19	Vitamin D ameliorates adipose browning in chronic kidney disease cachexia. <i>Scientific Reports</i> , 2020 , 10, 14175	4.9	7
18	Insight into the inflammasome and caspase-activating mechanisms. <i>Expert Review of Clinical Immunology</i> , 2008 , 4, 61-77	5.1	6
17	Neutrophil-specific gain-of-function mutations in Nlrp3 promote development of cryopyrin-associated periodic syndrome. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	6
16	Partial Jacobsen syndrome phenotype in a patient with a de novo frameshift mutation in the ETS1 transcription factor. <i>Journal of Physical Education and Sports Management</i> , 2019 , 5,	2.8	5
15	Chapter 10 Episodic Autoinflammatory Disorders in Children. <i>Handbook of Systemic Autoimmune Diseases</i> , 2007 , 6, 119-281	0.3	4
14	The innate immune response in fetal lung mesenchymal cells targets VEGFR2 expression and activity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 312, L861-L872	5.8	3
13	Prolonged urticaria and fever in a toddler. <i>Allergy and Asthma Proceedings</i> , 2012 , 33, 297-301	2.6	3
12	Nlrp3 activation causes spontaneous inflammation and fibrosis that mimics human NASH.. <i>Hepatology</i> , 2022 ,	11.2	3
11	Pediatric recurrent fever and autoinflammation from the perspective of an allergist/immunologist. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 146, 960-966.e2	11.5	3
10	Opportunistic Invasive Infection by Group A Streptococcus During Anti-Interleukin-6 Immunotherapy. <i>Journal of Infectious Diseases</i> , 2021 , 223, 1260-1264	7	3
9	Targeting interleukin-1 for reversing fat browning and muscle wasting in infantile nephropathic cystinosis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 , 12, 1296-1311	10.3	2
8	The role of IL-1 in adipose browning and muscle wasting in CKD-associated cachexia. <i>Scientific Reports</i> , 2021 , 11, 15141	4.9	2
7	TLR Activation Alters Bone Marrow-Derived Macrophage Differentiation. <i>Journal of Innate Immunity</i> , 2019 , 11, 99-108	6.9	2
6	Inflammasome Activation in Children With Kawasaki Disease and Multisystem Inflammatory Syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2509-2511	9.4	2

- 5 Cryopyrin-Associated Periodic Syndromes (CAPS) **2019**, 347-365 1
- 4 Transplantation: Outcomes of prenatal immunosuppression. *Nature Reviews Nephrology*, **2015**, 11, 390-114.9 1
- 3 Possible cold autoinflammatory syndrome. *Journal of Allergy and Clinical Immunology: in Practice*, **2014**, 2, 642 5.4
- 2 Misstatements on cryopyrin-associated periodic fevers. *Annals of Allergy, Asthma and Immunology*, **2008**, 101, 111-2 3.2
- 1 Hereditary Disorders with Urticaria or Angioedema **2009**, 261-284B