Megan A Cooper

List of Publications by Year
in descending order

82 papers	11,548 citations	93792 39 h-index	73587 79 g-index
85 all docs	85 docs citations	85 times ranked	14213 citing authors

#	Article	IF	Citations
1	Gain-of-function mutations in RPA1 cause a syndrome with short telomeres and somatic genetic rescue. Blood, 2022, 139, 1039-1051.	0.6	29
2	<scp>TLR8</scp>/<scp>TLR7</scp> dysregulation due to a novel <i>TLR8</i> mutation causes severe autoimmune hemolytic anemia and autoinflammation in identical twins. American Journal of Hematology, 2022, 97, 338-351.	2.0	17
3	Case Report: â€œPrimary Immunodeficiencyâ€â€"Severe Autoimmune Enteropathy in a Pediatric Heart Transplant Recipient Treated With Abatacept and Alemtuzumab. Frontiers in Immunology, 2022, 13, 863218.	2.2	2
4	Lifelong Immune Modulation Versus Hematopoietic Cell Therapy for Inborn Errors of Immunity. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 628-639.	2.0	9
5	Recovery from COVID-19 in a Child with Chronic Granulomatous Disease and T Cell Lymphopenia. Journal of Clinical Immunology, 2021, 41, 23-25.	2.0	7
6	Economic burden of congenital athymia in the United States for patients receiving supportive care during the first 3 years of life. Journal of Medical Economics, 2021, 24, 962-971.	1.0	2
7	A Case of Severe Combined Immunodeficiency Missed by Newborn Screening. Journal of Clinical Immunology, 2021, 41, 1352-1355.	2.0	4
8	Genetics of Pediatric Immune-Mediated Diseases and Human Immunity. Annual Review of Immunology, 2021, 39, 227-249.	9.5	9
9	SARS-CoV-2â€"related MIS-C: A key to the viral and genetic causes of Kawasaki disease?. Journal of Experimental Medicine, 2021, 218, .	4.2	100
10	Genetic Mosaicism as a Cause of Inborn Errors of Immunity. Journal of Clinical Immunology, 2021, 41, 718-728.	2.0	24
11	Immunodeficiency and bone marrow failure with mosaic and germline TLR8 gain of function. Blood, 2021, 137, 2450-2462.	0.6	47
12	Reliance on Cox10 and oxidative metabolism for antigen-specific NK cell expansion. Cell Reports, 2021, 35, 109209.	2.9	16
13	Toll-Like Receptor Signaling in the Establishment and Function of the Immune System. Cells, 2021, 10, 1374.	1.8	51
14	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. Science Immunology, 2021, 6, .	5.6	267
15	Immunological Findings and Clinical Outcomes of Infants With Positive Newborn Screening for Severe Combined Immunodeficiency From a Tertiary Care Center in the U.S.. Frontiers in Immunology, 2021, 12, 734096.	2.2	8
16	Monogenic autoimmunity and infectious diseases: the double-edged sword of immune dysregulation. Current Opinion in Immunology, 2021, 72, 230-238.	2.4	7
17	STAT3 Gain-of-Function Mutations Underlie Deficiency in Human Nonclassical CD16+ Monocytes and CD141+ Dendritic Cells. Journal of Immunology, 2021, 207, 2423-2432.	0.4	11
18	Mycophenolate-Induced Colitis in Autoimmune Polyendocrinopathy-Candidiasis-Ectodermal Dystrophy Patients. JPGN Reports, 2021, 2, e131.	0.2	2

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19	Autoimmunity in Primary Immunodeficiency Disorders. , 2020, , 513-532.		1
20	NAPDH Oxidase-Specific Flow Cytometry Allows for Rapid Genetic Triage and Classification of Novel Variants in Chronic Granulomatous Disease. Journal of Clinical Immunology, 2020, 40, 191-202.	2.0	8
21	Siblings with a novel <scp><i>MED12</i></scp> variant and Odho syndrome with immune defects. Clinical Genetics, 2020, 98, 308-310.	1.0	5
22	Multiplexed Functional Assessment of Genetic Variants in CARD11. American Journal of Human Genetics, 2020, 107, 1029-1043.	2.6	38
23	Stage-Specific Requirement for Eomes in Mature NK Cell Homeostasis and Cytotoxicity. Cell Reports, 2020, 31, 107720.	2.9	40
24	Hematopoietic Cell Transplantation in Patients With Primary Immune Regulatory Disorders (PIRD): A Primary Immune Deficiency Treatment Consortium (PIDTC) Survey. Frontiers in Immunology, 2020, 11, 239.	2.2	57
25	Responsiveness of sphingosine phosphate lyase insufficiency syndrome to vitamin <scp>B6</scp> cofactor supplementation. Journal of Inherited Metabolic Disease, 2020, 43, 1131-1142.	1.7	21
26	ETV6 germline mutations cause HDAC3/NCOR2 mislocalization and upregulation of interferon response genes. JCI Insight, 2020, 5, .	2.3	15
27	MicroRNA-142 Is Critical for the Homeostasis and Function of Type 1 Innate Lymphoid Cells. Immunity, 2019, 51, 479-490.e6.	6.6	39
28	Heterozygous FOXN1 Variants Cause Low TRECs and Severe T Cell Lymphopenia, Revealing a Crucial Role of FOXN1 in Supporting Early Thymopoiesis. American Journal of Human Genetics, 2019, 105, 549-561.	2.6	52
29	Lymphocyte-driven regional immunopathology in pneumonitis caused by impaired central immune tolerance. Science Translational Medicine, 2019, 11, .	5.8	52
30	Rheumatologic and autoimmune manifestations in primary immune deficiency. Current Opinion in Allergy and Clinical Immunology, 2019, 19, 545-552.	1.1	5
31	Immunology of Cytokine Storm Syndromes: Natural Killer Cells. , 2019, , 163-181.		0
32	Is There Natural Killer Cell Memory and Can It Be Harnessed by Vaccination?. Cold Spring Harbor Perspectives in Biology, 2018, 10, a029512.	2.3	8
33	Somatic mutations and clonal hematopoiesis in congenital neutropenia. Blood, 2018, 131, 408-416.	0.6	91
34	Natural killer cells might adapt their inhibitory receptors for memory. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11357-11359.	3.3	8
35	Jakinibs for the treatment of immune dysregulation in patients with gain-of-function signal transducer and activator of transcription 1 (STAT1) or STAT3 mutations. Journal of Allergy and Clinical Immunology, 2018, 142, 1665-1669.	1.5	196
36	Comment on: Evidence of innate lymphoid cell redundancy in humans. Nature Immunology, 2018, 19, 788-789.	7.0	8

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37	Identification of enhanced IFN-Î³ signaling in polyarticular juvenile idiopathic arthritis with mass cytometry. JCI Insight, 2018, 3, .	2.3	22
38	Germline hypomorphic CARD11 mutations in severe atopic disease. Nature Genetics, 2017, 49, 1192-1201.	9.4	174
39	Azathioprine-Associated Complete NK Cell Deficiency. Journal of Clinical Immunology, 2017, 37, 514-516.	2.0	7
40	Low IgE Is Insufficiently Sensitive to Guide Genetic Testing of STAT3 Gain-of-Function Mutations. Clinical Chemistry, 2017, 63, 1539-1540.	1.5	4
41	Mutations in sphingosine-1-phosphate lyase cause nephrosis with ichthyosis and adrenal insufficiency. Journal of Clinical Investigation, 2017, 127, 912-928.	3.9	160
42	Glycolytic requirement for NK cell cytotoxicity and cytomegalovirus control. JCI Insight, 2017, 2, .	2.3	90
43	Metabolic Regulation of Natural Killer Cell IFN-Î³ Production. Critical Reviews in Immunology, 2016, 36, 131-147.	1.0	101
44	Assessment of NK Cell Metabolism. Methods in Molecular Biology, 2016, 1441, 27-42.	0.4	7
45	Teach Your NK Cells Well. Immunity, 2016, 45, 229-231.	6.6	4
46	Mechanism-Based Strategies for the Management of Autoimmunity and Immune Dysregulation in Primary Immunodeficiencies. Journal of Allergy and Clinical Immunology: in Practice, 2016, 4, 1089-1100.	2.0	61
47	Cytokine-induced memory-like natural killer cells exhibit enhanced responses against myeloid leukemia. Science Translational Medicine, 2016, 8, 357ra123.	5.8	621
48	Harnessing NK Cell Memory for Cancer Immunotherapy. Trends in Immunology, 2016, 37, 877-888.	2.9	90
49	Mesenteric vasculitis in children with systemic lupus erythematosus. Clinical Rheumatology, 2016, 35, 785-793.	1.0	16
50	Early-onset lymphoproliferation and autoimmunity caused by germline STAT3 gain-of-function mutations. Blood, 2015, 125, 591-599.	0.6	436
51	Activation-Specific Metabolic Requirements for NK Cell IFN-Î³ Production. Journal of Immunology, 2015, 194, 1954-1962.	0.4	227
52	The Ying and Yang of STAT3 in Human Disease. Journal of Clinical Immunology, 2015, 35, 615-623.	2.0	130
53	A71: Localized Myositis as a Manifestation of Systemic-Onset Juvenile Idiopathic Arthritis: A Case Series From a Tertiary-Care Hospital. Arthritis and Rheumatology, 2014, 66, S103-S103.	2.9	1
54	L-Plastin Is Essential for Alveolar Macrophage Production and Control of Pulmonary Pneumococcal Infection. Infection and Immunity, 2014, 82, 1982-1993.	1.0	26

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55	Elevated Double Negative T Cells in Pediatric Autoimmunity. Journal of Clinical Immunology, 2014, 34, 594-599.	2.0	46
56	Preactivation with IL-12, IL-15, and IL-18 Induces CD25 and a Functional High-Affinity IL-2 Receptor on Human Cytokine-Induced Memory-like Natural Killer Cells. Biology of Blood and Marrow Transplantation, 2014, 20, 463-473.	2.0	215
57	Hypogammaglobulinemia in pediatric systemic lupus erythematosus. Lupus, 2013, 22, 1382-1387.	0.8	17
58	Murine NK Cell Intrinsic Cytokine-Induced Memory-like Responses Are Maintained following Homeostatic Proliferation. Journal of Immunology, 2013, 190, 4754-4762.	0.4	87
59	Recurrent Parotitis as a Presentation of Primary Pediatric SjÃ¶gren Syndrome. Pediatrics, 2012, 129, e179-e182.	1.0	42
60	Cytokine activation induces human memory-like NK cells. Blood, 2012, 120, 4751-4760.	0.6	492
61	Vancomycin-induced DRESS with evidence of T-cell activation in a 22-month-old patient. Annals of Allergy, Asthma and Immunology, 2012, 109, 280-281.	0.5	8
62	Cytokine Activation and CD16 Cross-Linking Leads to the Generation of Human Memory-Like NK Cells. Blood, 2012, 120, 3291-3291.	0.6	1
63	Memoryâ€like responses of natural killer cells. Immunological Reviews, 2010, 235, 297-305.	2.8	64
64	Cytokine-induced memory-like natural killer cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1915-1919.	3.3	660
65	Hidden talents of natural killers: NK cells in innate and adaptive immunity. EMBO Reports, 2009, 10, 1103-1110.	2.0	106
66	Rituximab for the treatment of juvenile dermatomyositis: A report of four pediatric patients. Arthritis and Rheumatism, 2007, 56, 3107-3111.	6.7	119
67	In Vivo Murine Cytokine Models and the Genesis of Cancer. , 2007, , 199-209.		0
68	NK cell and DC interactions. Trends in Immunology, 2004, 25, 47-52.	2.9	395
69	Isolation and Characterization of Human Natural Killer Cell Subsets. Current Protocols in Immunology, 2004, 60, Unit 7.34.	3.6	20
70	CD56bright natural killer cells are present in human lymph nodes and are activated by T cell-derived IL-2: a potential new link between adaptive and innate immunity. Blood, 2003, 101, 3052-3057.	0.6	750
71	Cytokines and cancer. , 2003, , 1213-1232.		1
72	Immunologic manipulation in AML: from bench to bedside. Leukemia, 2002, 16, 736-737.	3.3	1

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73	In vivo evidence for a dependence on interleukin 15 for survival of natural killer cells. Blood, 2002, 100, 3633-3638.	0.6	382
74	Interleukin-2 and interleukin-15: immunotherapy for cancer. Cytokine and Growth Factor Reviews, 2002, 13, 169-183.	3.2	251
75	Fatal Leukemia in Interleukin-15 Transgenic Mice. Blood Cells, Molecules, and Diseases, 2001, 27, 223-230.	0.6	43
76	Human natural killer cells: a unique innate immunoregulatory role for the CD56bright subset. Blood, 2001, 97, 3146-3151.	0.6	1,201
77	Interleukin-1Î² costimulates interferon-Î³ production by human natural killer cells. European Journal of Immunology, 2001, 31, 792-801.	1.6	117
78	The biology of human natural killer-cell subsets. Trends in Immunology, 2001, 22, 633-640.	2.9	2,520
79	Fatal Leukemia in Interleukin 15 Transgenic Mice Follows Early Expansions in Natural Killer and Memory Phenotype Cd8+ T Cells. Journal of Experimental Medicine, 2001, 193, 219-232.	4.2	335
80	Coadministration of interleukin-18 and interleukin-12 induces a fatal inflammatory response in mice: critical role of natural killer cell interferon-Î³ production and STAT-mediated signal transduction. Blood, 2000, 96, 1465-1473.	0.6	95
81	Cutting Edge: IL-15 Costimulates the Generalized Shwartzman Reaction and Innate Immune IFN-Î³ Production In Vivo. Journal of Immunology, 2000, 164, 1643-1647.	0.4	59
82	Potential mechanisms of human natural killer cell expansion in vivo during low-dose IL-2 therapy. Journal of Clinical Investigation, 2000, 106, 117-124.	3.9	85