Alexei A Grom

List of Publications by Year
in descending order

65 papers	6,476 citations	87843 38 h-index	114418 63 g-index
65 all docs	65 docs citations	65 times ranked	5977 citing authors

#	Article	IF	Citations
1	On the Alert for Cytokine Storm: Immunopathology in <scp>COVID</scp>â€19. Arthritis and Rheumatology, 2020, 72, 1059-1063.	2.9	562
2	2016 Classification Criteria for Macrophage Activation Syndrome Complicating Systemic Juvenile Idiopathic Arthritis: A European League Against Rheumatism/American College of Rheumatology/Paediatric Rheumatology International Trials Organisation Collaborative Initiative. Arthritis and Rheumatology, 2016, 68, 566-576.	2.9	427
3	2016 Classification Criteria for Macrophage Activation Syndrome Complicating Systemic Juvenile Idiopathic Arthritis. Annals of the Rheumatic Diseases, 2016, 75, 481-489.	0.5	338
4	Macrophage activation syndrome in the era of biologic therapy. Nature Reviews Rheumatology, 2016, 12, 259-268.	3.5	323
5	The diagnostic significance of soluble CD163 and soluble interleukin-2 receptor Î±-chain in macrophage activation syndrome and untreated new-onset systemic juvenile idiopathic arthritis. Arthritis and Rheumatism, 2007, 56, 965-971.	6.7	294
6	Interleukin-18 diagnostically distinguishes and pathogenically promotes human and murine macrophage activation syndrome. Blood, 2018, 131, 1442-1455.	0.6	288
7	Pathogenesis of systemic juvenile idiopathic arthritis: some answers, more questions. Nature Reviews Rheumatology, 2011, 7, 416-426.	3.5	263
8	Natural killer cell dysfunction in patients with systemic-onset juvenile rheumatoid arthritis and macrophage activation syndrome. Journal of Pediatrics, 2003, 142, 292-296.	0.9	257
9	Elevated circulating levels of interferon-Î³ and interferon-Î³-induced chemokines characterise patients with macrophage activation syndrome complicating systemic juvenile idiopathic arthritis. Annals of the Rheumatic Diseases, 2017, 76, 166-172.	0.5	222
10	Gene expression profiling of peripheral blood from patients with untreated newâ€onset systemic juvenile idiopathic arthritis reveals molecular heterogeneity that may predict macrophage activation syndrome. Arthritis and Rheumatism, 2007, 56, 3793-3804.	6.7	216
11	Natural killer cell dysfunction: A common pathway in systemic-onset juvenile rheumatoid arthritis, macrophage activation syndrome, and hemophagocytic lymphohistiocytosis?. Arthritis and Rheumatism, 2004, 50, 689-698.	6.7	204
12	Macrophage activation syndrome: advances towards understanding pathogenesis. Current Opinion in Rheumatology, 2010, 22, 561-566.	2.0	178
13	Patterns of expression of tumor necrosis factor Î±, tumor necrosis factor Î², and their receptors in synovia of patients with juvenile rheumatoid arthritis and juvenile spondylarthropathy. Arthritis and Rheumatism, 1996, 39, 1703-1710.	6.7	167
14	Wholeâ€Exome Sequencing Reveals Overlap Between Macrophage Activation Syndrome in Systemic Juvenile Idiopathic Arthritis and Familial Hemophagocytic Lymphohistiocytosis. Arthritis and Rheumatology, 2014, 66, 3486-3495.	2.9	158
15	Macrophage activation syndrome in patients with systemic juvenile idiopathic arthritis is associated with MUNC13â€4 polymorphisms. Arthritis and Rheumatism, 2008, 58, 2892-2896.	6.7	155
16	Whole-Exome Sequencing Reveals Mutations in Genes Linked to Hemophagocytic Lymphohistiocytosis and Macrophage Activation Syndrome in Fatal Cases of H1N1 Influenza. Journal of Infectious Diseases, 2016, 213, 1180-1188.	1.9	133
17	Macrophage activation syndrome and reactive hemophagocytic lymphohistiocytosis: the same entities?. Current Opinion in Rheumatology, 2003, 15, 587-590.	2.0	130
18	Macrophage activation syndrome and cytokine-directed therapies. Best Practice and Research in Clinical Rheumatology, 2014, 28, 277-292.	1.4	127

#	Article	IF	Citations
19	Systemic Juvenile Idiopathic Arthritisâ€“Associated Lung Disease: Characterization and Risk Factors. Arthritis and Rheumatology, 2019, 71, 1943-1954.	2.9	124
20	Genetic architecture distinguishes systemic juvenile idiopathic arthritis from other forms of juvenile idiopathic arthritis: clinical and therapeutic implications. Annals of the Rheumatic Diseases, 2017, 76, 906-913.	0.5	123
21	Emergent high fatality lung disease in systemic juvenile arthritis. Annals of the Rheumatic Diseases, 2019, 78, 1722-1731.	0.5	122
22	Genetic Defects in Cytolysis in Macrophage Activation Syndrome. Current Rheumatology Reports, 2014, 16, 439.	2.1	113
23	Rate and Clinical Presentation of Macrophage Activation Syndrome in Patients With Systemic Juvenile Idiopathic Arthritis Treated With Canakinumab. Arthritis and Rheumatology, 2016, 68, 218-228.	2.9	103
24	Neutralization of IFN-Î³ reverts clinical and laboratory features in a mouse model of macrophage activation syndrome. Journal of Allergy and Clinical Immunology, 2018, 141, 1439-1449.	1.5	96
25	Gene expression profiling of peripheral blood mononuclear cells from children with active hemophagocytic lymphohistiocytosis. Blood, 2011, 117, e151-e160.	0.6	85
26	A Heterozygous <i>RAB27A</i> Mutation Associated with Delayed Cytolytic Granule Polarization and Hemophagocytic Lymphohistiocytosis. Journal of Immunology, 2016, 196, 2492-2503.	0.4	77
27	Inflammatory biomarkers in COVID-19-associated multisystem inflammatory syndrome in children, Kawasaki disease, and macrophage activation syndrome: a cohort study. Lancet Rheumatology, The, 2021, 3, e574-e584.	2.2	77
28	IL-18 as a biomarker linking systemic juvenile idiopathic arthritis and macrophage activation syndrome. Rheumatology, 2020, 59, 361-366.	0.9	73
29	Proinflammatory Cytokine Environments Can Drive Interleukinâ€•17 Overexpression by Î³/Î´ T Cells in Systemic Juvenile Idiopathic Arthritis. Arthritis and Rheumatology, 2017, 69, 1480-1494.	2.9	71
30	Monocyte MicroRNA Expression in Active Systemic Juvenile Idiopathic Arthritis Implicates MicroRNAâ€•125aâ€•5p in Polarized Monocyte Phenotypes. Arthritis and Rheumatology, 2016, 68, 2300-2313.	2.9	62
31	Targeting interferon-Î³ in hyperinflammation: opportunities and challenges. Nature Reviews Rheumatology, 2021, 17, 678-691.	3.5	57
32	Neutrophils From Children With Systemic Juvenile Idiopathic Arthritis Exhibit Persistent Proinflammatory Activation Despite Long-Standing Clinically Inactive Disease. Frontiers in Immunology, 2018, 9, 2995.	2.2	54
33	Janus kinase (JAK) inhibition with baricitinib in refractory juvenile dermatomyositis. Annals of the Rheumatic Diseases, 2021, 80, 406-408.	0.5	53
34	Urine S100 proteins as potential biomarkers of lupus nephritis activity. Arthritis Research and Therapy, 2017, 19, 242.	1.6	50
35	IL-18 as therapeutic target in a patient with resistant systemic juvenile idiopathic arthritis and recurrent macrophage activation syndrome. Rheumatology, 2020, 59, 442-445.	0.9	50
36	Early changes in gene expression and inflammatory proteins in systemic juvenile idiopathic arthritis patients on canakinumab therapy. Arthritis Research and Therapy, 2017, 19, 13.	1.6	49

#	Article	IF	Citations
37	A Novel Targeted Approach to the Treatment of Hemophagocytic Lymphohistiocytosis (HLH) with an Anti-Interferon Gamma (IFNÎ³) Monoclonal Antibody (mAb), NI-0501: First Results from a Pilot Phase 2 Study in Children with Primary HLH. Blood, 2015, 126, LBA-3-LBA-3.	0.6	48
38	A novel STING1 variant causes a recessive form of STING-associated vasculopathy with onset in infancy (SAVI). Journal of Allergy and Clinical Immunology, 2020, 146, 1204-1208.e6.	1.5	45
39	The limited role of interferonâ€Î³ in systemic juvenile idiopathic arthritis cannot be explained by cellular hyporesponsiveness. Arthritis and Rheumatism, 2012, 64, 3799-3808.	6.7	43
40	Expression of angiogenic factors in juvenile rheumatoid arthritis: Correlation with revascularization of human synovium engrafted into SCID mice. Arthritis and Rheumatism, 2001, 44, 794-801.	6.7	38
41	Comparative sequence analysis of the human T cell receptor ? chain in juvenile rheumatoid arthritis and juvenile spondylarthropathies: Evidence for antigenic selection of T cells in the synovium. Arthritis and Rheumatism, 1998, 41, 482-497.	6.7	37
42	Serum S100A8/A9 and S100A12 Levels in Children With Polyarticular Forms of Juvenile Idiopathic Arthritis: Relationship to Maintenance of Clinically Inactive Disease During Antiâ€"Tumor Necrosis Factor Therapy and Occurrence of Disease Flare After Discontinuation of Therapy. Arthritis and Rheumatology, 2019, 71, 451-459.	2.9	36
43	Repression of CTSG, ELANE and PRTN3-mediated histone H3 proteolytic cleavage promotes monocyte-to-macrophage differentiation. Nature Immunology, 2021, 22, 711-722.	7.0	36
44	Monocyte and bone marrow macrophage transcriptional phenotypes in systemic juvenile idiopathic arthritis reveal TRIM8 as a mediator of IFN-Î³ hyper-responsiveness and risk for macrophage activation syndrome. Annals of the Rheumatic Diseases, 2021, 80, 617-625.	0.5	31
45	Brief Report: Novel <i>UNC13D</i> Intronic Variant Disrupting an NFâ€ÎºB Enhancer in a Patient With Recurrent Macrophage Activation Syndrome and Systemic Juvenile Idiopathic Arthritis. Arthritis and Rheumatology, 2018, 70, 963-970.	2.9	30
46	Juvenile rheumatoid arthritis and the trimolecular complex (hla, t cell receptor, and antigen). Arthritis and Rheumatism, 1994, 37, 601-607.	6.7	29
47	Risk, Timing, and Predictors of Disease Flare After Discontinuation of Antiâ€"Tumor Necrosis Factor Therapy inÂChildren With Polyarticular Forms of Juvenile IdiopathicÂArthritis With Clinically Inactive Disease. Arthritis and Rheumatology, 2018, 70, 1508-1518.	2.9	26
48	The use of S100 proteins testing in juvenile idiopathic arthritis and autoinflammatory diseases in a pediatric clinical setting: a retrospective analysis. Pediatric Rheumatology, 2020, 18, 7.	0.9	24
49	Identification of enhanced IFN-Î³ signaling in polyarticular juvenile idiopathic arthritis with mass cytometry. JCI Insight, 2018, 3, .	2.3	22
50	11â€Monthâ€Old Infant With Periodic Fevers, Recurrent Liver Dysfunction, and Perforin Gene Polymorphism. Arthritis Care and Research, 2015, 67, 1173-1179.	1.5	19
51	MicroRNA networks associated with active systemic juvenile idiopathic arthritis regulate CD163 expression and anti-inflammatory functions in macrophages through two distinct mechanisms. Journal of Leukocyte Biology, 2018, 103, 71-85.	1.5	19
52	A Multiparameter Flow Cytometry Analysis Panel to Assess CD163 mRNA and Protein in Monocyte and Macrophage Populations in Hyperinflammatory Diseases. Journal of Immunology, 2019, 202, 1635-1643.	0.4	19
53	IFN-Î³ is essential for alveolar macrophageâ€"driven pulmonary inflammation in macrophage activation syndrome. JCI Insight, 2021, 6, .	2.3	18
54	Relationship of cell-free urine MicroRNA with lupus nephritis in children. Pediatric Rheumatology, 2016, 14, 4.	0.9	16

#	Article	IF	Citations
55	Safety and Efficacy of Emapalumab in Pediatric Patients with Primary Hemophagocytic Lymphohistiocytosis. Blood, 2018, 132, LBA-6-LBA-6.	0.6	15
56	Transcriptional profiles of JIA patient blood with subsequent poor response to methotrexate. Rheumatology, 2017, 56, 1542-1551.	0.9	12
57	Systemic onset juvenile idiopathic arthritis and exposure to fine particulate air pollution. Clinical and Experimental Rheumatology, 2016, 34, 946-952.	0.4	8
58	Lung Ultrasound in Children With Systemic Juvenile Idiopathic Arthritisâ€"Associated Interstitial Lung Disease. Arthritis Care and Research, 2023, 75, 983-988.	1.5	7
59	Canakinumab for the treatment of systemic juvenile idiopathic arthritis. Expert Review of Clinical Immunology, 2014, 10, 1427-1435.	1.3	6
60	Macrophage Activation Syndrome (MAS) in Systemic Juvenile Idiopathic Arthritis (sJIA): Treatment with Emapalumab, an Anti-Interferon Gamma (IFNÎ³) Monoclonal Antibody. Blood, 2021, 138, 2058-2058.	0.6	5
61	Trials in Progress: A Two-Cohort, Open-Label, Single-Arm Study of Emapalumab, an Anti-Interferon Gamma (IFNÎ³) Monoclonal Antibody, in Patients with Macrophage Activation Syndrome (MAS) in Rheumatic Diseases. Blood, 2021, 138, 4195-4195.	0.6	3
62	Reasons for canakinumab initiation among patients with periodic fever syndromes: a retrospective medical chart review from the United States. Pediatric Rheumatology, 2021, 19, 143.	0.9	1
63	Genetics of Macrophage Activation Syndrome in Systemic Juvenile Idiopathic Arthritis. , 2019, , 131-138.		1
64	Reasons for Initiating Canakinumab among Patients with Systemic Juvenile Idiopathic Arthritis and Adult-Onset Stillâ€™s Disease in the U.S. Real-World Settings. Rheumatology and Therapy, 2022, 9, 265-283.	1.1	1
65	Reply. Arthritis Care and Research, 2015, 67, 1615-1616.	1.5	0