

Aleixo M Muise

List of Publications by Year in descending order

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117
papers

7,643
citations

47006

47
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54911

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120
all docs

120
docs citations

120
times ranked

10468
citing authors

#	ARTICLE	IF	CITATIONS
1	The Diagnostic Approach to Monogenic Very Early Onset Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2014, 147, 990-1007.e3.	1.3	559
2	Common variants at five new loci associated with early-onset inflammatory bowel disease. <i>Nature Genetics</i> , 2009, 41, 1335-1340.	21.4	459
3	Interleukin-10 Receptor Signaling in Innate Immune Cells Regulates Mucosal Immune Tolerance and Anti-Inflammatory Macrophage Function. <i>Immunity</i> , 2014, 40, 706-719.	14.3	455
4	Interleukin 10 Receptor Signaling. <i>Advances in Immunology</i> , 2014, 122, 177-210.	2.2	239
5	Clinical outcome in IL-10 and IL-10 receptor deficient patients with or without hematopoietic stem cell transplantation. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 825-830.e9.	2.9	236
6	Incidence, Outcomes, and Health Services Burden of Very Early Onset Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2014, 147, 803-813.e7.	1.3	222
7	IL-10R Polymorphisms Are Associated with Very-early-onset Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 115-123.	1.9	212
8	Loss of the Arp2/3 complex component ARPC1B causes platelet abnormalities and predisposes to inflammatory disease. <i>Nature Communications</i> , 2017, 8, 14816.	12.8	176
9	Mutations in Tetratricopeptide Repeat Domain 7A Result in a Severe Form of Very Early Onset Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2014, 146, 1028-1039.	1.3	175
10	A eukaryotic transcriptional repressor with carboxypeptidase activity. <i>Nature</i> , 1995, 378, 92-96.	27.8	161
11	NADPH oxidase complex and IBD candidate gene studies: identification of a rare variant in <i>NCF2</i> that results in reduced binding to RAC2. <i>Gut</i> , 2012, 61, 1028-1035.	12.1	158
12	Interleukin 1 β Mediates Intestinal Inflammation in Mice and Patients With Interleukin 10 Receptor Deficiency. <i>Gastroenterology</i> , 2016, 151, 1100-1104.	1.3	156
13	Eating disorders in adolescent boys: a review of the adolescent and young adult literature. <i>Journal of Adolescent Health</i> , 2003, 33, 427-435.	2.5	148
14	Human RIPK1 deficiency causes combined immunodeficiency and inflammatory bowel diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 970-975.	7.1	130
15	Advances in Evaluation of Chronic Diarrhea in Infants. <i>Gastroenterology</i> , 2018, 154, 2045-2059.e6.	1.3	129
16	Defects in Nicotinamide-adenine Dinucleotide Phosphate Oxidase Genes NOX1 and DUOX2 in Very Early Onset Inflammatory Bowel Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 489-502.	4.5	127
17	Clinical Genomics in Inflammatory Bowel Disease. <i>Trends in Genetics</i> , 2017, 33, 629-641.	6.7	123
18	<i>Listeria monocytogenes</i> exploits efferocytosis to promote cell-to-cell spread. <i>Nature</i> , 2014, 509, 230-234.	27.8	118

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19	Reduced sodium/proton exchanger NHE3 activity causes congenital sodium diarrhea. Human Molecular Genetics, 2015, 24, 6614-6623.	2.9	111
20	Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. Science, 2019, 366, 460-467.	12.6	109
21	Host and bacterial factors that regulate LC3 recruitment to <i>Listeria monocytogenes</i> during the early stages of macrophage infection. Autophagy, 2013, 9, 985-995.	9.1	108
22	Variants in Nicotinamide Adenine Dinucleotide Phosphate Oxidase Complex Components Determine Susceptibility to Very Early Onset Inflammatory Bowel Disease. Gastroenterology, 2014, 147, 680-689.e2.	1.3	106
23	Regulation of Adipogenesis by a Transcriptional Repressor That Modulates MAPK Activation. Journal of Biological Chemistry, 2001, 276, 10199-10206.	3.4	105
24	Very Early Onset Inflammatory Bowel Disease: A Clinical Approach With a Focus on the Role of Genetics and Underlying Immune Deficiencies. Inflammatory Bowel Diseases, 2020, 26, 820-842.	1.9	100
25	Inherited p40phox deficiency differs from classic chronic granulomatous disease. Journal of Clinical Investigation, 2018, 128, 3957-3975.	8.2	99
26	Human TGF- β 1 deficiency causes severe inflammatory bowel disease and encephalopathy. Nature Genetics, 2018, 50, 344-348.	21.4	95
27	Intestinal Inflammation and Dysregulated Immunity in Patients With Inherited Caspase-8 Deficiency. Gastroenterology, 2019, 156, 275-278.	1.3	92
28	Variants in TRIM22 That Affect NOD2 Signaling Are Associated With Very-Early-Onset Inflammatory Bowel Disease. Gastroenterology, 2016, 150, 1196-1207.	1.3	88
29	The Age of Gene Discovery in Very Early Onset Inflammatory Bowel Disease. Gastroenterology, 2012, 143, 285-288.	1.3	85
30	The <i>NOD2</i> insC polymorphism is associated with worse outcome following ileal pouch-anal anastomosis for ulcerative colitis. Gut, 2013, 62, 1433-1439.	12.1	85
31	Very Early-onset Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2015, 21, 1166-1175.	1.9	82
32	Prevalence and Clinical Features of Inflammatory Bowel Diseases Associated With Monogenic Variants, Identified by Whole-Exome Sequencing in 1000 Children at a Single Center. Gastroenterology, 2020, 158, 2208-2220.	1.3	81
33	Clinical Genomics for the Diagnosis of Monogenic Forms of Inflammatory Bowel Disease. Journal of Pediatric Gastroenterology and Nutrition, 2021, 72, 456-473.	1.8	79
34	Infliximab Maintains Durable Response and Facilitates Catch-up Growth in Luminal Pediatric Crohn's Disease. Inflammatory Bowel Diseases, 2014, 20, 1177-1186.	1.9	78
35	Listeriolysin O Suppresses Phospholipase C-Mediated Activation of the Microbicidal NADPH Oxidase to Promote <i>Listeria monocytogenes</i> Infection. Cell Host and Microbe, 2011, 10, 627-634.	11.0	72
36	Higher Activity of the Inducible Nitric Oxide Synthase Contributes to Very Early Onset Inflammatory Bowel Disease. Clinical and Translational Gastroenterology, 2014, 5, e46.	2.5	71

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37	Single Nucleotide Polymorphisms That Increase Expression of the Guanosine Triphosphatase RAC1 Are Associated With Ulcerative Colitis. <i>Gastroenterology</i> , 2011, 141, 633-641.	1.3	67
38	Mucus sialylation determines intestinal host-commensal homeostasis. <i>Cell</i> , 2022, 185, 1172-1188.e28.	28.9	66
39	C-reactive protein (CRP), erythrocyte sedimentation rate (ESR) or both? A systematic evaluation in pediatric ulcerative colitis. <i>Journal of Crohn's and Colitis</i> , 2011, 5, 423-429.	1.3	63
40	Very Early Onset Inflammatory Bowel Disease Associated with Aberrant Trafficking of IL-10R1 and Cure by T Cell Replete Haploidentical Bone Marrow Transplantation. <i>Journal of Clinical Immunology</i> , 2014, 34, 331-339.	3.8	62
41	Infliximab-Induced Psoriasis and Psoriasiform Skin Lesions in Pediatric Crohn Disease and a Potential Association With IL-23 Receptor Polymorphisms. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2013, 56, 512-518.	1.8	61
42	Transcriptional regulation by the $\beta 5$ subunit of a heterotrimeric G protein during adipogenesis. <i>EMBO Journal</i> , 1999, 18, 4004-4012.	7.8	57
43	An ATG16L1-dependent pathway promotes plasma membrane repair and limits <i>Listeria monocytogenes</i> cell-to-cell spread. <i>Nature Microbiology</i> , 2018, 3, 1472-1485.	13.3	57
44	A Systematic Review of Monogenic Inflammatory Bowel Disease. <i>Clinical Gastroenterology and Hepatology</i> , 2022, 20, e653-e663.	4.4	57
45	Microvillus Inclusion Disease: Loss of Myosin Vb Disrupts Intracellular Traffic and Cell Polarity. <i>Traffic</i> , 2014, 15, 22-42.	2.7	56
46	Gain-of-function variants in SYK cause immune dysregulation and systemic inflammation in humans and mice. <i>Nature Genetics</i> , 2021, 53, 500-510.	21.4	56
47	Protein-Tyrosine Phosphatase Sigma Is Associated with Ulcerative Colitis. <i>Current Biology</i> , 2007, 17, 1212-1218.	3.9	53
48	Protein tyrosine phosphatase <i>Shf</i> targets apical junction complex proteins in the intestine and regulates epithelial permeability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 693-698.	7.1	53
49	Are Children With Kawasaki Disease and Prolonged Fever at Risk for Macrophage Activation Syndrome?. <i>Pediatrics</i> , 2003, 112, e495-e497.	2.1	52
50	A Frameshift in CSF2RB Predominant Among Ashkenazi Jews Increases Risk for Crohn's Disease and Reduces Monocyte Signaling via GM-CSF. <i>Gastroenterology</i> , 2016, 151, 710-723.e2.	1.3	51
51	The Diaphanous-Related Formins Promote Protrusion Formation and Cell-to-Cell Spread of <i>Listeria monocytogenes</i> . <i>Journal of Infectious Diseases</i> , 2015, 211, 1185-1195.	4.0	49
52	TTC7A: Steward of Intestinal Health. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 555-570.	4.5	48
53	Human <i>ALPI</i> deficiency causes inflammatory bowel disease and highlights a key mechanism of gut homeostasis. <i>EMBO Molecular Medicine</i> , 2018, 10, .	6.9	47
54	Diagnostic delay in Canadian children with inflammatory bowel disease is more common in Crohn's disease and associated with decreased height. <i>Archives of Disease in Childhood</i> , 2018, 103, 319-326.	1.9	45

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55	Interleukin-6 is associated with steroid resistance and reflects disease activity in severe pediatric ulcerative colitis. <i>Journal of Crohn's and Colitis</i> , 2013, 7, 916-922.	1.3	43
56	Mutations in Plasmalemma Vesicle Associated Protein Result in Sieving Protein-Losing Enteropathy Characterized by Hypoproteinemia, Hypoalbuminemia, and Hypertriglyceridemia. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 381-394.e7.	4.5	43
57	Mucosa-Associated Ileal Microbiota in New-Onset Pediatric Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 1533-1539.	1.9	43
58	Biliary Atresia With Choledochal Cyst: Implications for Classification. <i>Clinical Gastroenterology and Hepatology</i> , 2006, 4, 1411-1414.	4.4	39
59	Somatic mosaicism and common genetic variation contribute to the risk of very-early-onset inflammatory bowel disease. <i>Nature Communications</i> , 2020, 11, 995.	12.8	37
60	An Integrated Taxonomy for Monogenic Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2022, 162, 859-876.	1.3	37
61	Drug Screen Identifies Leflunomide for Treatment of Inflammatory Bowel Disease Caused by TTC7A Deficiency. <i>Gastroenterology</i> , 2020, 158, 1000-1015.	1.3	36
62	Inflammatory Bowel Disease. <i>Gastroenterology Clinics of North America</i> , 2018, 47, 755-772.	2.2	34
63	Fatal autoimmunity in mice reconstituted with human hematopoietic stem cells encoding defective FOXP3. <i>Blood</i> , 2015, 125, 3886-3895.	1.4	33
64	Large B-Cell Lymphoma in an Adolescent Patient With Interleukin-10 Receptor Deficiency and History of Infantile Inflammatory Bowel Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016, 63, e15-7.	1.8	31
65	Diagnostic Delay Is Associated With Complicated Disease and Growth Impairment in Paediatric Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 419-431.	1.3	30
66	Human autoinflammatory disease reveals ELF4 as a transcriptional regulator of inflammation. <i>Nature Immunology</i> , 2021, 22, 1118-1126.	14.5	30
67	Ankyrin repeat and zinc-finger domain-containing 1 mutations are associated with infantile-onset inflammatory bowel disease. <i>Journal of Biological Chemistry</i> , 2017, 292, 7904-7920.	3.4	29
68	Mutation spectrum of NOD2 reveals recessive inheritance as a main driver of Early Onset Crohn's Disease. <i>Scientific Reports</i> , 2021, 11, 5595.	3.3	29
69	Novel de novo mutations of the interleukin-10 receptor gene lead to infantile onset inflammatory bowel disease. <i>Journal of Crohn's and Colitis</i> , 2014, 8, 1551-1556.	1.3	28
70	Enhanced TH17 Responses in Patients with IL10 Receptor Deficiency and Infantile-onset IBD. <i>Inflammatory Bowel Diseases</i> , 2017, 23, 1950-1961.	1.9	28
71	Anti-TNF, Infliximab, and Adalimumab Can Be Effective in Eosinophilic Bowel Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2013, 56, 492-497.	1.8	27
72	CARMIL2 Deficiency Presenting as Very Early Onset Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 1788-1795.	1.9	26

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73	Intensified Infliximab Induction is Associated with Improved Response and Decreased Colectomy in Steroid-Refractory Paediatric Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2019, 13, 982-989.	1.3	26
74	Natural History of Very Early Onset Inflammatory Bowel Disease in North America: A Retrospective Cohort Study. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 295-302.	1.9	25
75	Enzymic characterization of a novel member of the regulatory B-like carboxypeptidase with transcriptional repression function: stimulation of enzymic activity by its target DNA. <i>Biochemical Journal</i> , 1999, 343, 341-345.	3.7	23
76	Low Levels of Procalcitonin During Episodes of Necrotizing Enterocolitis. <i>Digestive Diseases and Sciences</i> , 2007, 52, 2972-2976.	2.3	22
77	Rac2-Deficiency Leads to Exacerbated and Protracted Colitis in Response to <i>Citrobacter rodentium</i> Infection. <i>PLoS ONE</i> , 2013, 8, e61629.	2.5	22
78	Long-term outcomes for children with very early-onset colitis: Implications for surgical management. <i>Journal of Pediatric Surgery</i> , 2018, 53, 964-967.	1.6	22
79	Very early onset IBD: novel genetic aetiologies. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2018, 18, 470-480.	2.3	19
80	Clinical Phenotypes and Outcomes in Monogenic Versus Non-monogenic Very Early Onset Inflammatory Bowel Disease. <i>Journal of Crohn's and Colitis</i> , 2022, 16, 1380-1396.	1.3	19
81	Replication of genetic variation in the MYO9B gene in Crohn's disease. <i>Human Immunology</i> , 2011, 72, 592-597.	2.4	17
82	A Novel Nonsense Mutation in the EpCAM Gene in a Patient With Congenital Tufting Enteropathy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014, 58, 18-21.	1.8	17
83	Multilabel immunofluorescence and antigen reprobng on formalin-fixed paraffin-embedded sections: novel applications for precision pathology diagnosis. <i>Modern Pathology</i> , 2016, 29, 557-569.	5.5	17
84	Advanced Understanding of Monogenic Inflammatory Bowel Disease. <i>Frontiers in Pediatrics</i> , 2020, 8, 618918.	1.9	16
85	Monogenic Intestinal Epithelium Defects and the Development of Inflammatory Bowel Disease. <i>Physiology</i> , 2018, 33, 360-369.	3.1	15
86	Deficiency in X-linked inhibitor of apoptosis protein promotes susceptibility to microbial triggers of intestinal inflammation. <i>Science Immunology</i> , 2021, 6, eabf7473.	11.9	15
87	ARPC1B binds WASP to control actin polymerization and curtail tonic signaling in B cells. <i>JCI Insight</i> , 2021, 6, .	5.0	13
88	A CARD9 Polymorphism Is Associated with Decreased Likelihood of Persistent Conjugated Hyperbilirubinemia in Intestinal Failure. <i>PLoS ONE</i> , 2014, 9, e85915.	2.5	11
89	Novel CARMIL2 loss-of-function variants are associated with pediatric inflammatory bowel disease. <i>Scientific Reports</i> , 2021, 11, 5945.	3.3	11
90	Association between a Multi-Locus Genetic Risk Score and Inflammatory Bowel Disease. <i>Bioinformatics and Biology Insights</i> , 2013, 7, BBI.S11601.	2.0	9

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91	Rac1 Polymorphisms and Thiopurine Efficacy in Children With Inflammatory Bowel Disease. Journal of Pediatric Gastroenterology and Nutrition, 2015, 61, 404-407.	1.8	9
92	NOX1 Regulates Collective and Planktonic Cell Migration: Insights From Patients With Pediatric-Onset IBD and NOX1 Deficiency. Inflammatory Bowel Diseases, 2020, 26, 1166-1176.	1.9	9
93	Unrelated donor hematopoietic stem cell transplantation for infantile enteropathy due to <sc>IL</sc>â€10</sc>â€10 receptor defect. Pediatric Transplantation, 2015, 19, E101-3.	1.0	8
94	A Chromosomal Duplication Encompassing Interleukin-33 Causes a Novel Hyper IgE Phenotype Characterized by Eosinophilic Esophagitis and Generalized Autoimmunity. Gastroenterology, 2022, 163, 510-513.e3.	1.3	8
95	Apical junction complex proteins and ulcerative colitis: a focus on the <i>PTPRS</i> gene. Expert Review of Molecular Diagnostics, 2008, 8, 465-477.	3.1	7
96	Predictive Prenatal Diagnosis for Infantileâ€onset Inflammatory Bowel Disease Because of Interleukinâ€10 Signalling Defects. Journal of Pediatric Gastroenterology and Nutrition, 2021, 72, 276-281.	1.8	7
97	Variants in <i>STXBP3</i> are Associated with Very Early Onset Inflammatory Bowel Disease, Bilateral Sensorineural Hearing Loss and Immune Dysregulation. Journal of Crohn's and Colitis, 2021, 15, 1908-1919.	1.3	7
98	Very Early Onset IBD: How Very Different â€on Averageâ€™?. Journal of Crohn's and Colitis, 2017, 11, jjw217.	1.3	6
99	The risk of myocardial infarction in HIV-infected patients receiving HAART: a case report. International Journal of STD and AIDS, 2001, 12, 612-613.	1.1	5
100	Cutting Edge: NOX2 NADPH Oxidase Controls Infection by an Intracellular Bacterial Pathogen through Limiting the Type 1 IFN Response. Journal of Immunology, 2021, 206, 323-328.	0.8	5
101	Whipple disease mimicking inflammatory bowel disease. Intestinal Research, 2021, 19, 119-125.	2.6	5
102	The E3 ubiquitin ligase UBR5 interacts with TTC7A and may be associated with very early onset inflammatory bowel disease. Scientific Reports, 2020, 10, 18648.	3.3	4
103	Novel Exonic Deletions in TTC7A in a Newborn with Multiple Intestinal Atresia and Combined Immunodeficiency. Journal of Clinical Immunology, 2019, 39, 616-619.	3.8	3
104	Application of Whole Exome Sequencing in Congenital Secretory Diarrhea Diagnosis. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, e106-e108.	1.8	2
105	Utilization of Whole Exome Sequencing Data to Identify Clinically Relevant Pharmacogenomic Variants in Pediatric Inflammatory Bowel Disease. Clinical and Translational Gastroenterology, 2020, 11, e00263.	2.5	1
106	Multisystem Autoimmune Inflammatory Disease, Including Colitis, Due to Inborn Error of Immunity. Pediatrics, 2021, 148, e2021050614.	2.1	1
107	Platelet VPS16B is dependent on VPS33B expression, as determined in two siblings with arthrogyrosis, renal dysfunction and cholestasis (ARC) syndrome. Journal of Thrombosis and Haemostasis, 2022, , .	3.8	1
108	NADPH oxidase complex and IBD Candidate Gene studies. Inflammatory Bowel Diseases, 2011, 17, S8.	1.9	0

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109	The Authors' reply: Figure 1. Gut, 2012, 61, 1097.2-1098.	12.1	0
110	Inflammatory Bowel Disease in Primary Immunodeficiencies. , 2018, , 167-181.		0
111	Very Early Onset Inflammatory Bowel Disease (VEOIBD). , 2019, , 383-404.		0
112	Pediatric Diarrheal Disorders. , 2020, , 143-157.		0
113	2019 Harry Shwachman Award. Journal of Pediatric Gastroenterology and Nutrition, 2020, 70, 405-405.	1.8	0
114	Sequencing and Mapping IBD Genes to Individual Causative Variants and Their Clinical Relevance. , 2019, , 117-139.		0
115	A Machine Learning Approach to Identifying Causal Monogenic Variants in Inflammatory Bowel Disease. , 2022, 1, 171-179.		0
116	Valosin-containing protein-regulated endoplasmic reticulum stress causes NOD2-dependent inflammatory responses. Scientific Reports, 2022, 12, 3906.	3.3	0
117	Histopathological Features of Monogenic Inflammatory Bowel Disease: Sub-Analysis of Systematic Review. , 2022, , .		0