

Subra Kugathanan

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

26,287
citations

50276

46
h-index

27406

106
g-index

122
all docs

122
docs citations

122
times ranked

39013
citing authors

#	ARTICLE	IF	CITATIONS
1	The mutational constraint spectrum quantified from variation in 141,456 humans. <i>Nature</i> , 2020, 581, 434-443.	27.8	6,140
2	Host-microbe interactions have shaped the genetic architecture of inflammatory bowel disease. <i>Nature</i> , 2012, 491, 119-124.	27.8	4,038
3	The Treatment-Naive Microbiome in New-Onset Crohn's Disease. <i>Cell Host and Microbe</i> , 2014, 15, 382-392.	11.0	2,582
4	Genome-wide meta-analysis increases to 71 the number of confirmed Crohn's disease susceptibility loci. <i>Nature Genetics</i> , 2010, 42, 1118-1125.	21.4	2,284
5	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. <i>Nature</i> , 2019, 569, 655-662.	27.8	1,638
6	Induction and Maintenance Infliximab Therapy for the Treatment of Moderate-to-Severe Crohn's Disease in Children. <i>Gastroenterology</i> , 2007, 132, 863-873.	1.3	754
7	Epidemiologic and clinical characteristics of children with newly diagnosed inflammatory bowel disease in wisconsin: a statewide population-based study. <i>Journal of Pediatrics</i> , 2003, 143, 525-531.	1.8	574
8	Single-Cell Analysis of Crohn's Disease Lesions Identifies a Pathogenic Cellular Module Associated with Resistance to Anti-TNF Therapy. <i>Cell</i> , 2019, 178, 1493-1508.e20.	28.9	519
9	Prediction of complicated disease course for children newly diagnosed with Crohn's disease: a multicentre inception cohort study. <i>Lancet, The</i> , 2017, 389, 1710-1718.	13.7	482
10	A novel <i>Ruminococcus gnavus</i> clade enriched in inflammatory bowel disease patients. <i>Genome Medicine</i> , 2017, 9, 103.	8.2	478
11	Pediatric Crohn disease patients exhibit specific ileal transcriptome and microbiome signature. <i>Journal of Clinical Investigation</i> , 2014, 124, 3617-3633.	8.2	431
12	Differentiating Ulcerative Colitis from Crohn Disease in Children and Young Adults: Report of a Working Group of the North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition and the Crohn's and Colitis Foundation of America. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2007, 44, 653-674.	1.8	429
13	Dynamics of metatranscription in the inflammatory bowel disease gut microbiome. <i>Nature Microbiology</i> , 2018, 3, 337-346.	13.3	408
14	Genetics of Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2015, 149, 1163-1176.e2.	1.3	319
15	Evaluation of the Pediatric Crohn Disease Activity Index: A Prospective Multicenter Experience. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2005, 41, 416-421.	1.8	271
16	Severe Pediatric Ulcerative Colitis: A Prospective Multicenter Study of Outcomes and Predictors of Response. <i>Gastroenterology</i> , 2010, 138, 2282-2291.	1.3	233
17	Increased Immune Reactivity Predicts Aggressive Complicating Crohn's Disease in Children. <i>Clinical Gastroenterology and Hepatology</i> , 2008, 6, 1105-1111.	4.4	231
18	Increased Effectiveness of Early Therapy With Anti-Tumor Necrosis Factor- α vs an Immunomodulator in Children With Crohn's Disease. <i>Gastroenterology</i> , 2014, 146, 383-391.	1.3	224

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19	Ulcerative colitis mucosal transcriptomes reveal mitochondriopathy and personalized mechanisms underlying disease severity and treatment response. <i>Nature Communications</i> , 2019, 10, 38.	12.8	215
20	IL-10R Polymorphisms Are Associated with Very-early-onset Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 115-123.	1.9	212
21	Dysbiosis, inflammation, and response to treatment: a longitudinal study of pediatric subjects with newly diagnosed inflammatory bowel disease. <i>Genome Medicine</i> , 2016, 8, 75.	8.2	211
22	Compositional and Temporal Changes in the Gut Microbiome of Pediatric Ulcerative Colitis Patients Are Linked to Disease Course. <i>Cell Host and Microbe</i> , 2018, 24, 600-610.e4.	11.0	193
23	Infliximab Is Not Associated With Increased Risk of Malignancy or Hemophagocytic Lymphohistiocytosis in Pediatric Patients With Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2017, 152, 1901-1914.e3.	1.3	180
24	Laboratory Values for Children With Newly Diagnosed Inflammatory Bowel Disease. <i>Pediatrics</i> , 2007, 119, 1113-1119.	2.1	149
25	Transcriptional risk scores link GWAS to eQTLs and predict complications in Crohn's disease. <i>Nature Genetics</i> , 2017, 49, 1517-1521.	21.4	146
26	Growth Abnormalities Persist in Newly Diagnosed Children With Crohn Disease Despite Current Treatment Paradigms. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009, 48, 168-174.	1.8	124
27	Clinical and biological predictors of response to standardised paediatric colitis therapy (PROTECT): a multicentre inception cohort study. <i>Lancet, The</i> , 2019, 393, 1708-1720.	13.7	121
28	Genome-Wide Association Study Identifies African-Specific Susceptibility Loci in African Americans With Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2017, 152, 206-217.e2.	1.3	120
29	A Pleiotropic Missense Variant in SLC39A8 Is Associated With Crohn's Disease and Human Gut Microbiome Composition. <i>Gastroenterology</i> , 2016, 151, 724-732.	1.3	109
30	Methotrexate Following Unsuccessful Thiopurine Therapy in Pediatric Crohn's Disease. <i>American Journal of Gastroenterology</i> , 2007, 102, 2804-2812.	0.4	99
31	Body Mass Index in Children with Newly Diagnosed Inflammatory Bowel Disease: Observations from Two Multicenter North American Inception Cohorts. <i>Journal of Pediatrics</i> , 2007, 151, 523-527.	1.8	98
32	CARD15 gene mutations and risk for early surgery in pediatric-onset Crohn's disease. <i>Clinical Gastroenterology and Hepatology</i> , 2004, 2, 1003-1009.	4.4	93
33	Blood-Derived DNA Methylation Signatures of Crohn's Disease and Severity of Intestinal Inflammation. <i>Gastroenterology</i> , 2019, 156, 2254-2265.e3.	1.3	91
34	Incidence, Clinical Characteristics, and Natural History of Pediatric IBD in Wisconsin. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 1218-1223.	1.9	87
35	The Age of Gene Discovery in Very Early Onset Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2012, 143, 285-288.	1.3	85
36	Age of diagnosis influences serologic responses in children with Crohn's disease: A possible clue to etiology?. <i>Inflammatory Bowel Diseases</i> , 2009, 15, 714-719.	1.9	76

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37	Real-time tool to display the predicted disease course and treatment response for children with Crohn's disease. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 30-38.	1.9	72
38	Factors associated with early outcomes following standardised therapy in children with ulcerative colitis (PROTECT): a multicentre inception cohort study. <i>The Lancet Gastroenterology and Hepatology</i> , 2017, 2, 855-868.	8.1	72
39	Comparative Phenotypic and CARD15 Mutational Analysis Among African American, Hispanic, and White Children with Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2005, 11, 631-638.	1.9	70
40	Characterization of Genetic Loci That Affect Susceptibility to Inflammatory Bowel Diseases in African Americans. <i>Gastroenterology</i> , 2015, 149, 1575-1586.	1.3	65
41	A myeloid-stromal niche and gp130 rescue in NOD2-driven Crohn's disease. <i>Nature</i> , 2021, 593, 275-281.	27.8	65
42	Clinical and Genomic Correlates of Neutrophil Reactive Oxygen Species Production in Pediatric Patients With Crohn's Disease. <i>Gastroenterology</i> , 2018, 154, 2097-2110.	1.3	63
43	Mucosal Expression of Type 2 and Type 17 Immune Response Genes Distinguishes Ulcerative Colitis From Colon-Only Crohn's Disease in Treatment-Naive Pediatric Patients. <i>Gastroenterology</i> , 2017, 152, 1345-1357.e7.	1.3	59
44	Deconvolution of monocyte responses in inflammatory bowel disease reveals an IL-1 cytokine network that regulates IL-23 in genetic and acquired IL-10 resistance. <i>Gut</i> , 2021, 70, 1023-1036.	12.1	58
45	Microbiota-sensitive epigenetic signature predicts inflammation in Crohn's disease. <i>JCI Insight</i> , 2018, 3, .	5.0	54
46	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
47	Exome Sequencing Identifies a Novel FOXP3 Mutation in a 2-Generation Family With Inflammatory Bowel Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014, 58, 561-568.	1.8	47
48	A Microbiome Foundation for the Study of Crohn's Disease. <i>Cell Host and Microbe</i> , 2017, 21, 301-304.	11.0	46
49	Long ncRNA Landscape in the Ileum of Treatment-Naive Early-Onset Crohn Disease. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 346-360.	1.9	46
50	Disease-specific regulation of gene expression in a comparative analysis of juvenile idiopathic arthritis and inflammatory bowel disease. <i>Genome Medicine</i> , 2018, 10, 48.	8.2	46
51	Altered Intestinal ACE2 Levels Are Associated With Inflammation, Severe Disease, and Response to Anti-Cytokine Therapy in Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2021, 160, 809-822.e7.	1.3	45
52	Common and Rare Variant Prediction and Penetrance of IBD in a Large, Multi-ethnic, Health System-based Biobank Cohort. <i>Gastroenterology</i> , 2021, 160, 1546-1557.	1.3	43
53	Improved risk prediction for Crohn's disease with a multi-locus approach. <i>Human Molecular Genetics</i> , 2011, 20, 2435-2442.	2.9	42
54	PFOA and ulcerative colitis. <i>Environmental Research</i> , 2018, 165, 317-321.	7.5	42

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55	Inflammatory bowel disease in children: current trends. <i>Journal of Gastroenterology</i> , 2010, 45, 673-682.	5.1	38
56	The Microbiome in Patients With Inflammatory Diseases. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 243-255.	4.4	38
57	Progress in basic inflammatory bowel disease research. <i>Seminars in Pediatric Surgery</i> , 2007, 16, 146-153.	1.1	35
58	Dissecting Allele Architecture of Early Onset IBD Using High-Density Genotyping. <i>PLoS ONE</i> , 2015, 10, e0128074.	2.5	35
59	The Effect of Early-Life Environmental Exposures on Disease Phenotype and Clinical Course of Crohn's Disease in Children. <i>American Journal of Gastroenterology</i> , 2018, 113, 1524-1529.	0.4	33
60	Histologic Correlates of Clinical and Endoscopic Severity in Children Newly Diagnosed With Ulcerative Colitis. <i>American Journal of Surgical Pathology</i> , 2017, 41, 1491-1498.	3.7	31
61	Serum Protein Biomarkers of Fibrosis Aid in Risk Stratification of Future Stricturing Complications in Pediatric Crohn's Disease. <i>American Journal of Gastroenterology</i> , 2019, 114, 777-785.	0.4	31
62	Contribution of higher risk genes and European admixture to Crohn's disease in African Americans. <i>Inflammatory Bowel Diseases</i> , 2012, 18, 2277-2287.	1.9	29
63	Inflammatory Bowel Disease—Environmental Modification and Genetic Determinants. <i>Pediatric Clinics of North America</i> , 2006, 53, 727-749.	1.8	28
64	Enhanced Contribution of HLA in Pediatric Onset Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 829-838.	1.9	23
65	Machine learning identifies novel blood protein predictors of penetrating and stricturing complications in newly diagnosed paediatric Crohn's disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2021, 53, 281-290.	3.7	23
66	Severe Colitis in Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2005, 41, 375-385.	1.8	22
67	Genetic variants and pathways implicated in a pediatric inflammatory bowel disease cohort. <i>Genes and Immunity</i> , 2019, 20, 131-142.	4.1	22
68	Whole-genome sequencing of African Americans implicates differential genetic architecture in inflammatory bowel disease. <i>American Journal of Human Genetics</i> , 2021, 108, 431-445.	6.2	21
69	Predicting disease course in ulcerative colitis using stool proteins identified through an aptamer-based screen. <i>Nature Communications</i> , 2021, 12, 3989.	12.8	21
70	Inflammatory bowel disease. <i>Adolescent Medicine Clinics</i> , 2004, 15, 67-90.	0.8	20
71	Variation in Care in the Management of Children With Crohn's Disease: Data From a Multicenter Inception Cohort Study. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 1208-1217.	1.9	20
72	Mucosal Inflammatory and Wound Healing Gene Programmes Reveal Targets for Stricturing Behaviour in Paediatric Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 273-286.	1.3	20

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73	Improved integrative framework combining association data with gene expression features to prioritize Crohn's disease genes. <i>Human Molecular Genetics</i> , 2015, 24, 4147-4157.	2.9	19
74	Multi-Site Comparison of Patient, Parent, and Pediatric Provider Perspectives on Transition to Adult Care in IBD. <i>Journal of Pediatric Nursing</i> , 2018, 39, 49-54.	1.5	19
75	Challenges in IBD Research: Pragmatic Clinical Research. <i>Inflammatory Bowel Diseases</i> , 2019, 25, S40-S47.	1.9	19
76	Age-of-diagnosis dependent ileal immune intensification and reduced alpha-defensin in older versus younger pediatric Crohn Disease patients despite already established dysbiosis. <i>Mucosal Immunology</i> , 2019, 12, 491-502.	6.0	18
77	Management of Acute Severe Colitis in Children With Ulcerative Colitis in the Biologics Era. <i>Pediatrics</i> , 2016, 137, .	2.1	17
78	Prioritizing Crohn's disease genes by integrating association signals with gene expression implicates monocyte subsets. <i>Genes and Immunity</i> , 2019, 20, 577-588.	4.1	16
79	Nonclassic Inflammatory Bowel Disease in Young Infants. <i>Pediatric Clinics of North America</i> , 2017, 64, 139-160.	1.8	15
80	Evolution of Pediatric Inflammatory Bowel Disease Unclassified (IBD-U): Incorporated With Serological and Gene Expression Profiles. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 2285-2290.	1.9	15
81	Association Between Plasma Level of Collagen Type III Alpha 1 Chain and Development of Strictures in Pediatric Patients With Crohn's Disease. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 1799-1806.	4.4	14
82	Ileal Derived Organoids From Crohn's Disease Patients Show Unique Transcriptomic and Secretomic Signatures. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 1267-1280.	4.5	14
83	Site- and Taxa-Specific Disease-Associated Oral Microbial Structures Distinguish Inflammatory Bowel Diseases. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 1889-1900.	1.9	14
84	Eicosatetraenoic Acid and Butyrate Regulate Human Intestinal Organoid Mitochondrial and Extracellular Matrix Pathways Implicated in Crohn's Disease Strictures. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 988-1003.	1.9	12
85	Clinical and Host Biological Factors Predict Colectomy Risk in Children Newly Diagnosed With Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2021, , .	1.9	11
86	Profiling non-coding RNA levels with clinical classifiers in pediatric Crohn's disease. <i>BMC Medical Genomics</i> , 2021, 14, 194.	1.5	11
87	Pancreatitis as a Presenting Manifestation of Pediatric Crohn's Disease: A Report of Three Cases. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2002, 35, 96-98.	1.8	10
88	Bowel Location Rather Than Disease Subtype Dominates Transcriptomic Heterogeneity in Pediatric IBD. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 6, 474-476.e3.	4.5	10
89	Early Onset Granulomatous Colitis Associated with a Mutation in NCF4 Resolved with Hematopoietic Stem Cell Transplantation. <i>Journal of Pediatrics</i> , 2019, 210, 220-225.	1.8	10
90	Association of Baseline Luminal Narrowing With Ileal Microbial Shifts and Gene Expression Programs and Subsequent Transmural Healing in Pediatric Crohn Disease. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 1707-1718.	1.9	9

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91	Pediatric Inflammatory Bowel Disease Clinical Innovations Meeting of the Crohn's & Colitis Foundation: Charting the Future of Pediatric IBD. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 27-32.	1.9	8
92	Genetic and Transcriptomic Variation Linked to Neutrophil Granulocyte-Macrophage Colony-Stimulating Factor Signaling in Pediatric Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 547-560.	1.9	8
93	Altered splicing associated with the pathology of inflammatory bowel disease. <i>Human Genomics</i> , 2021, 15, 47.	2.9	7
94	Stratification of risk of progression to colectomy in ulcerative colitis via measured and predicted gene expression. <i>American Journal of Human Genetics</i> , 2021, 108, 1765-1779.	6.2	6
95	It Takes Two to Make It Right: Dual Biologic and Small Molecule Therapy for Treatment-Refractory Pediatric Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2020, 27, 1361-1362.	1.9	5
96	Approach to a Child with Colitis. <i>Indian Journal of Pediatrics</i> , 2016, 83, 1444-1451.	0.8	4
97	Multilocus Heterotopic Gastric Mucosa of Ileum Masquerading as VEOIBD in a Newborn. <i>Pediatrics</i> , 2019, 143, .	2.1	4
98	Performance of Interferon-Gamma Release Assays for Tuberculosis Screening in Pediatric Inflammatory Bowel Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019, 69, e111-e116.	1.8	4
99	Combination Therapy in Pediatric Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2017, 23, 1774-1776.	1.9	3
100	Familial Association of Granulocyte-Macrophage Colony-Stimulating Factor Autoantibodies in Inflammatory Bowel Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 66, 767-772.	1.8	3
101	Pediatric inflammatory bowel disease. <i>Current Opinion in Gastroenterology</i> , 2019, 35, 265-274.	2.3	3
102	MMR and IBD: The Only Thing We Have To Fear Is...Fear Itself. <i>Inflammatory Bowel Diseases</i> , 2001, 7, 349-350.	1.9	2
103	In vivo negative regulation of SARS-CoV-2 receptor, ACE2, by interferons and its genetic control. <i>Wellcome Open Research</i> , 0, 6, 47.	1.8	2
104	Rising Incidence of Inflammatory Bowel Disease in Young Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2011, 53, 128-128.	1.8	2
105	Methylation quantitative trait loci are largely consistent across disease states in Crohn's disease. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	2
106	Targeted Gene Sequencing in Children with Crohn's Disease and Their Parents: Implications for Missing Heritability. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2881-2888.	1.8	1
107	Exclusive and partial enteral nutrition for Crohn's disease - Authors' reply. <i>Lancet, The</i> , 2017, 390, 1486-1487.	13.7	0
108	Reply. <i>Gastroenterology</i> , 2017, 152, 2083-2084.	1.3	0

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109	Response to Biologics Delay Progression of Crohn's Disease in Children but Not Early Surgery. <i>Clinical Gastroenterology and Hepatology</i> , 2018, 16, 1398-1400.	4.4	0
110	Anti-TNF Therapy Is Emerging as the Primary Treatment Modality in Pediatric Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2019, 26, 139-140.	1.9	0
111	Similar Long-Term Outcomes in Children Presenting With Abscess vs Phlegmon at Diagnosis of Crohn Disease. <i>Crohn's & Colitis</i> 360, 2020, 2, .	1.1	0