

Matthias Zilbauer

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,682
citations

147801

31
h-index

149698

56
g-index

68
all docs

68
docs citations

68
times ranked

5924
citing authors

#	ARTICLE	IF	CITATIONS
1	Disease Prognostic Biomarkers in Inflammatory Bowel Diseases—A Reality Check. <i>Journal of Crohn's and Colitis</i> , 2022, 16, 162-165.	1.3	9
2	An Integrated Taxonomy for Monogenic Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2022, 162, 859-876.	1.3	37
3	Epigenetics in IBD: a conceptual framework for disease pathogenesis. <i>Frontline Gastroenterology</i> , 2022, 13, e22-e27.	1.8	6
4	The growing gap between demand and availability of clinical psychology in Paediatric Gastroenterology: a retrospective analysis of clinical routine care. <i>European Journal of Pediatrics</i> , 2021, 180, 1307-1312.	2.7	4
5	Transcription and DNA Methylation Patterns of Blood-Derived CD8+ T Cells Are Associated With Age and Inflammatory Bowel Disease But Do Not Predict Prognosis. <i>Gastroenterology</i> , 2021, 160, 232-244.e7.	1.3	42
6	Guidance on the interpretation of faecal calprotectin levels in children. <i>PLoS ONE</i> , 2021, 16, e0246091.	2.5	9
7	Disease-associated DNA methylation signatures in esophageal biopsies of children diagnosed with Eosinophilic Esophagitis. <i>Clinical Epigenetics</i> , 2021, 13, 81.	4.1	1
8	Reply. <i>Gastroenterology</i> , 2021, 160, 2211-2212.	1.3	0
9	Improving prediction of disease outcome for inflammatory bowel disease: progress through systems medicine. <i>Expert Review of Clinical Immunology</i> , 2021, 17, 871-881.	3.0	2
10	Obtaining purified human intestinal epithelia for single-cell analysis and organoid culture. <i>STAR Protocols</i> , 2021, 2, 100597.	1.2	4
11	Cells of the human intestinal tract mapped across space and time. <i>Nature</i> , 2021, 597, 250-255.	27.8	266
12	A roadmap for the Human Developmental Cell Atlas. <i>Nature</i> , 2021, 597, 196-205.	27.8	114
13	A functional genetic toolbox for human tissue-derived organoids. <i>ELife</i> , 2021, 10, .	6.0	33
14	Biobanking of human gut organoids for translational research. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1451-1458.	7.7	21
15	Activating Transcription Factor 6 Mediates Inflammatory Signals in Intestinal Epithelial Cells Upon Endoplasmic Reticulum Stress. <i>Gastroenterology</i> , 2020, 159, 1357-1374.e10.	1.3	73
16	The Gut Microbiome and the Triple Environmental Hit Concept of Inflammatory Bowel Disease Pathogenesis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 71, 589-595.	1.8	22
17	Single-Cell Sequencing of Developing Human Gut Reveals Transcriptional Links to Childhood Crohn's Disease. <i>Developmental Cell</i> , 2020, 55, 771-783.e5.	7.0	164
18	High-Resolution mRNA and Secretome Atlas of Human Enteroendocrine Cells. <i>Cell</i> , 2020, 181, 1291-1306.e19.	28.9	110

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19	Guanylate-binding proteins convert cytosolic bacteria into caspase-4 signaling platforms. <i>Nature Immunology</i> , 2020, 21, 880-891.	14.5	182
20	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
21	Norovirus Replication in Human Intestinal Epithelial Cells Is Restricted by the Interferon-Induced JAK/STAT Signaling Pathway and RNA Polymerase II-Mediated Transcriptional Responses. <i>MBio</i> , 2020, 11, .	4.1	61
22	The value of blood derived DNA methylation signatures in advancing our understanding of Crohn's Disease pathogenesis. <i>Translational Gastroenterology and Hepatology</i> , 2019, 4, 60-60.	3.0	0
23	Clinical outcomes in pediatric intestinal failure: a meta-analysis and meta-regression. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 430-436.	4.7	35
24	Intestinal Epithelial Organoids as Tools to Study Epigenetics in Gut Health and Disease. <i>Stem Cells International</i> , 2019, 2019, 1-7.	2.5	22
25	The landscape of somatic mutation in normal colorectal epithelial cells. <i>Nature</i> , 2019, 574, 532-537.	27.8	468
26	An upstream protein-coding region in enteroviruses modulates virus infection in gut epithelial cells. <i>Nature Microbiology</i> , 2019, 4, 280-292.	13.3	94
27	Genome-Wide Epigenetic and Transcriptomic Characterization of Human-Induced Pluripotent Stem Cell-Derived Intestinal Epithelial Organoids. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 285-288.	4.5	11
28	DNA methylation defines regional identity of human intestinal epithelial organoids and undergoes dynamic changes during development. <i>Gut</i> , 2019, 68, 49-61.	12.1	116
29	Early Treatment Response Predicts Outcome in Paediatric Ulcerative Colitis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 67, 217-220.	1.8	4
30	DNA Methylation and Transcription Patterns in Intestinal Epithelial Cells From Pediatric Patients With Inflammatory Bowel Diseases Differentiate Disease Subtypes and Associate With Outcome. <i>Gastroenterology</i> , 2018, 154, 585-598.	1.3	226
31	Interleukin-22 promotes phagolysosomal fusion to induce protection against <i>Salmonella enterica</i> Typhimurium in human epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10118-10123.	7.1	33
32	Interleukin-2 induces the in vitro maturation of human pluripotent stem cell-derived intestinal organoids. <i>Nature Communications</i> , 2018, 9, 3039.	12.8	85
33	Reply. <i>Gastroenterology</i> , 2018, 155, 230-231.	1.3	0
34	Stem Cells in Repair of Gastrointestinal Epithelia. <i>Physiology</i> , 2017, 32, 278-289.	3.1	59
35	Epigenetics in Gastrointestinal Health and Disease: Spotlight on DNA Methylation in the Intestinal Epithelium. <i>Nestle Nutrition Institute Workshop Series</i> , 2017, 88, 35-44.	0.1	3
36	Reconstruction of the mouse extrahepatic biliary tree using primary human extrahepatic cholangiocyte organoids. <i>Nature Medicine</i> , 2017, 23, 954-963.	30.7	210

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37	Epigenetics in Paediatric Gastroenterology, Hepatology, and Nutrition. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016, 62, 521-529.	1.8	15
38	Paediatric gastrointestinal endoscopy. <i>European Journal of Gastroenterology and Hepatology</i> , 2016, 28, 25-29.	1.6	6
39	Clinical course and outcomes of diagnosing Inflammatory Bowel Disease in children 10 years and under: retrospective cohort study from two tertiary centres in the United Kingdom and in Italy. <i>BMC Gastroenterology</i> , 2016, 16, 35.	2.0	17
40	Differential Expression of Mucosal Trefoil Factors and Mucins in Pediatric Inflammatory Bowel Diseases. <i>Scientific Reports</i> , 2015, 4, 7343.	3.3	33
41	Assessing quality of care in paediatric inflammatory bowel disease: Focusing on self-reported outcomes. <i>Digestive and Liver Disease</i> , 2015, 47, 347-348.	0.9	1
42	Coeliac Disease in Children With Type 1 Diabetes. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014, 59, 600-603.	1.8	13
43	Assessing phenotype and disease course in children with earlier onset of IBD (<11 years). Data from two tertiary centres in the United Kingdom and Italy. <i>Digestive and Liver Disease</i> , 2014, 46, e92.	0.9	0
44	Epigeneticsâ€”a novel concept with exciting prospects for paediatric research. <i>Archives of Disease in Childhood: Education and Practice Edition</i> , 2014, 99, 67-69.	0.5	2
45	Genome-wide methylation analyses of primary human leukocyte subsets identifies functionally important cell-typeâ€”specific hypomethylated regions. <i>Blood</i> , 2013, 122, e52-e60.	1.4	63
46	Assessing Quality Outcome Measures in Children with Coeliac Diseaseâ€”Experience from Two UK Centres. <i>Nutrients</i> , 2013, 5, 4605-4613.	4.1	9
47	DNA Methylation Analysis in the Intestinal Epitheliumâ€”Effect of Cell Separation on Gene Expression and Methylation Profile. <i>PLoS ONE</i> , 2013, 8, e55636.	2.5	24
48	Epigenetics in inflammatory bowel disease. <i>Current Opinion in Gastroenterology</i> , 2012, 28, 577-584.	2.3	41
49	Human Î²-defensin 2 expression in ELBW infants with severe necrotizing enterocolitis. <i>Pediatric Research</i> , 2012, 72, 513-520.	2.3	44
50	Intussusception: Incidence and Treatmentâ€”Insights From the Nationwide German Surveillance. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2011, 52, 446-451.	1.8	59
51	Facial palsy: Etiology, outcome and management in children. <i>European Journal of Paediatric Neurology</i> , 2011, 15, 209-213.	1.6	59
52	H3.5 is a novel hominid-specific histone H3 variant that is specifically expressed in the seminiferous tubules of human testes. <i>Chromosoma</i> , 2011, 120, 275-285.	2.2	71
53	Intestinal alpha-defensin expression in pediatric inflammatory bowel disease I. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 2076-2086.	1.9	25
54	Feasibility of a finger prick-based self-testing kit in first- and second-degree relatives of children with coeliac disease. <i>World Journal of Gastroenterology</i> , 2011, 17, 1840.	3.3	9

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55	Prevalence of epileptiform discharges in healthy children – New data from a prospective study using digital EEG. <i>Epilepsia</i> , 2010, 51, 1185-1188.	5.1	53
56	Expression of Human Beta-Defensins in Children with Chronic Inflammatory Bowel Disease. <i>PLoS ONE</i> , 2010, 5, e15389.	2.5	39
57	Delineation of the Innate and Adaptive T-Cell Immune Outcome in the Human Host in Response to <i>Campylobacter jejuni</i> Infection. <i>PLoS ONE</i> , 2010, 5, e15398.	2.5	61
58	Late-onset cardiac arrhythmia associated with vagus nerve stimulation. <i>Journal of Neurology</i> , 2009, 256, 1578-1580.	3.6	20
59	Defining Eosinophilic Colitis in Children: Insights From a Retrospective Case Series. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009, 49, 208-215.	1.8	39
60	<i>Campylobacter jejuni</i> -mediated disease pathogenesis: an update. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2008, 102, 123-129.	1.8	121
61	A major role for intestinal epithelial nucleotide oligomerization domain 1 (NOD1) in eliciting host bactericidal immune responses to <i>Campylobacter jejuni</i> . <i>Cellular Microbiology</i> , 2007, 9, 2404-2416.	2.1	95
62	A major role for intestinal epithelial nucleotide oligomerization domain 1 (NOD1) in eliciting host bactericidal immune responses to <i>Campylobacter jejuni</i> . <i>Cellular Microbiology</i> , 2007, 9, 2541-2541.	2.1	11
63	Intestinal Innate Immunity to <i>Campylobacter jejuni</i> Results in Induction of Bactericidal Human Beta-Defensins 2 and 3. <i>Infection and Immunity</i> , 2005, 73, 7281-7289.	2.2	81
64	Innate immune defence in the human gastrointestinal tract. <i>Molecular Immunology</i> , 2005, 42, 903-912.	2.2	84