Deconvolution of Monocyte Responses in Inflammatory
Cytokine Network That Regulates IL-23 in Genetic and

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Citation Report

#	Article	IF	Citations
1	A Review of Selected IBD Biomarkers: From Animal Models to Bedside. Diagnostics, 2021, 11, 207.	4.9	13
2	IL-23 Contributes to Campylobacter jejuni-Induced Intestinal Pathology via Promoting IL-17 and IFNγ Responses by Innate Lymphoid Cells. Frontiers in Immunology, 2021, 11, 579615.	6.9	10
3	Intestinal Immunoregulation: Lessons From Human Mendelian Diseases. Mucosal Immunology, 2021, 14, 1017-1037.	5.5	22
4	The Role of Epigenetic Modifications for the Pathogenesis of Crohn's Disease. Clinical Epigenetics, 2021, 13, 1-14.	6.0	46
5	Targeting JAK/STAT Signaling Pathways in Treatment of Inflammatory Bowel Disease. Inflammation Research, 2021, 70, 753-764.	6.4	65
6	How Early-Life Gut Microbiota Alteration Sets Trajectories for Health and Inflammatory Bowel Disease?. Frontiers in Nutrition, 2021, 8, 690073.	5.6	24
7	Early Diagnosis, Early Stratification, and Early Intervention to Deliver Precision Medicine in IBD. Inflammatory Bowel Diseases, 2022, 28, 1254-1264.	5.5	63
8	IL-1-Driven Stromal–Neutrophil Interactions Define a Subset of Patients With Inflammatory Bowel Disease That Does Not Respond to Therapies. Nature Medicine, 2021, 27, 1970-1981.	51.2	278
9	Network Biology Approaches to Achieve Precision Medicine in Inflammatory Bowel Disease. Frontiers in Genetics, 2021, 12, 760501.	3.2	18
10	An Integrated Taxonomy for Monogenic Inflammatory Bowel Disease. Gastroenterology, 2022, 162, 859-876.	12.5	93
11	The Future of Precision Medicine to Predict Outcomes and Control Tissue Remodeling in Inflammatory Bowel Disease. Gastroenterology, 2022, 162, 1525-1542.	12.5	63
12	Pattern Recognition Receptor Signaling and Cytokine Networks in Microbial Defenses and Regulation of Intestinal Barriers: Implications for Inflammatory Bowel Disease. Gastroenterology, 2022, 162, 1602-1616.e6.	12.5	127
13	Interleukin-23 in the Pathogenesis of Inflammatory Bowel Disease and Implications for Therapeutic Intervention. Journal of Crohn's and Colitis, 2022, 16, ii3-ii19.	8.8	141
14	Altered Gut Microbiome and Fecal Immune Phenotype in Early Preterm Infants With Leaky Gut. Frontiers in Immunology, 2022, 13, 815046.	6.9	40
15	Interleukin 1β Blockade Reduces Intestinal Inflammation in a Murine Model of Tumor Necrosis Factor–Independent Ulcerative Colitis. Cellular and Molecular Gastroenterology and Hepatology, 2022, 14, 151-171.	7.3	56
16	Weakly Supervised End-to-End Artificial Intelligence in Gastrointestinal Endoscopy. Scientific Reports, 2022, 12, 1-13.	5.2	10
17	A Method for the Inference of Cytokine Interaction Networks. PLoS Computational Biology, 2022, 18, e1010112.	3.9	7
18	Monogenic Inflammatory Bowel Disease-Genetic Variants, Functional Mechanisms and Personalised Medicine in Clinical Practice. Human Genetics, 2023, 142, 599-611.	3.6	22

#	Article	IF	Citations
19	Intestinal Inflammation Promotes MDL-1+ Osteoclast Precursor Expansion to Trigger Osteoclastogenesis and Bone Loss. Cellular and Molecular Gastroenterology and Hepatology, 2022, 14, 731-750.	7.3	29
20	Mendelian Randomization Study for the Roles of IL-18 and IL-1 Receptor Antagonist in the Development of Inflammatory Bowel Disease. International Immunopharmacology, 2022, 110, 109020.	5.6	18
21	Identification of Potential Predictive Biomarkers and Biological Pathways and the Correction With Immune Infiltration in the Activation of Crohn's Disease. Immunogenetics, 2022, 74, 527-537.	2.4	5
22	A Protective Role of NOD2 on Oxazolone-Induced Intestinal Inflammation Through IL-1β-Mediated Signalling Pathway. Journal of Crohn's and Colitis, 2023, 17, 111-122.	8.8	4
23	DNA Sensor-Associated Type I Interferon Signaling Is Increased in Ulcerative Colitis and Induces JAK-Dependent Inflammatory Cell Death in Colonic Organoids. American Journal of Physiology - Renal Physiology, 2022, 323, G439-G460.	3.0	55
24	Hermansky-Pudlak Syndrome Type 1 Causes Impaired Anti-Microbial Immunity and Inflammation Due to Dysregulated Immunometabolism. Mucosal Immunology, 2022, 15, 1431-1446.	5.5	10
25	Analysis of Ferroptosis-Associated Genes in Crohn's Disease Based on Bioinformatics. Frontiers in Medicine, 2023, 9, 1058076.	3.7	9
26	The Effects of Mesenteric Inflammation on Intestinal Fibrosis. Progress in inflammation research, 2023, .	0.0	2
27	Assessment of Anti-Inflammatory Efficacy of Acupuncture in Patients With Inflammatory Bowel Disease: A Systematic Review and Meta-Analysis. Complementary Therapies in Medicine, 2023, 74, 102946.	4.3	21
28	Distal Fecal Wash Host Transcriptomics Identifies Inflammation Throughout the Colon and Terminal Ileum. Cellular and Molecular Gastroenterology and Hepatology, 2023, 16, 1-15.	7.3	9
29	Macrophages in Intestinal Homeostasis and Inflammatory Bowel Disease. Nature Reviews Gastroenterology and Hepatology, 2023, 20, 538-553.	61.7	356
30	The Role of IL-23 in the Pathogenesis and Therapy of Inflammatory Bowel Disease. International Journal of Molecular Sciences, 2023, 24, 10172.	5.9	78
31	Dissecting the Effect of Ileal Faecal Diversion on the Intestine Using Single-Cell Sequencing. Clinical and Translational Medicine, 2023, 13, e1321.	9.5	8
32	Molecular Medicine-Based IBD Treatment Strategies—We Take It Personally!. Frontiers in Gastroenterology, 2023, 2, 1226048.	1.4	2
33	Role of Serum Interleukin-6, Interleukin-1β and Interleukin-10 in Assessment of Disease Activity and Nutritional Status in Patients With Inflammatory Bowel Disease. Journal of Clinical Medicine, 2023, 12, 5956.	3.8	12
34	Systems Biology and Cytokines Potential Role in Lung Cancer Immunotherapy Targeting Autophagic Axis. Biomedicines, 2023, 11, 2706.	4.9	12
35	Colitis-Associated Carcinogenesis: Crosstalk Between Tumors, Immune Cells and Gut Microbiota. Cell and Bioscience, 2023, 13, 1-19.	6.7	47
36	Gut–Brain Crosstalk and the Central Mechanisms of Orofacial Pain. Brain Sciences, 2023, 13, 1456.	3.9	12

#	Article	IF	Citations
37	Serum Cytokines MCP-1 and GCS-F as Potential Biomarkers in Pediatric Inflammatory Bowel Disease. PLoS ONE, 2023, 18, e0288147.	3.2	13
38	Concerted Changes in the Pediatric Single-Cell Intestinal Ecosystem Before and After Anti-TNF Blockade. ELife, 2023, .	5.2	13
39	A Narrative Review of Cytokine Networks: Pathophysiological and Therapeutic Implications for Inflammatory Bowel Disease Pathogenesis. Biomedicines, 2023, 11, 3229.	4.9	69
40	Biomarkers for Personalizing IBD Therapy: The Quest Continues. Clinical Gastroenterology and Hepatology, 2024, 0, 1353-1364.	10.5	69
41	Intestinal Inflammation and Regeneration—Interdigitating Processes Controlled by Dietary Lipids in Inflammatory Bowel Disease. International Journal of Molecular Sciences, 2024, 25, 1311.	5.9	17
42	The Relationship Between Extreme Inter-Individual Variation in Macrophage Gene Expression and Genetic Susceptibility to Inflammatory Bowel Disease. Human Genetics, 2024, 143, 233-261.	3.6	14
43	Exploration of Gut Microbiome and Inflammation: A Review on Key Signalling Pathways. Cellular Signalling, 2024, 118, 111140.	4.8	29
44	Strategies for Targeting Cytokines in Inflammatory Bowel Disease. Nature Reviews Immunology, 2024, 24, 559-576.	78.4	423
45	Causal Role of Immune Cells in Inflammatory Bowel Disease: A Mendelian Randomization Study. Medicine (United States), 2024, 103, e37537.	2.1	2
46	Blimp-1 and c-Maf Regulate Immune Gene Networks to Protect Against Distinct Pathways of Pathobiont-Induced Colitis. Nature Immunology, 2024, 25, 886-901.	26.2	14
47	Inferring Gene Regulatory Networks From Single-Cell Multiome Data Using Atlas-Scale External Data. Nature Biotechnology, 2025, 43, 1-11.	45.5	110
48	Inflammatory Gene Panel Guiding the Study of Genetics in Inflammatory Bowel Disease. Molecular Diagnosis and Therapy, 2024, 28, 389-401.	6.4	3
49	Immune Cell Signatures and Causal Association With Irritable Bowel Syndrome: A Mendelian Randomization Study. World Journal of Clinical Cases, 2024, 12, 3094-3104.	1.6	5
50	An Isoform Quantitative Trait Locus in SBNO2 Links Genetic Susceptibility to Crohn's Disease With Defective Antimicrobial Activity. Nature Communications, 2024, 15, 1-13.	18.1	7
51	Aryl Hydrocarbon Receptor Confers Protection Against Macrophage Pyroptosis and Intestinal Inflammation Through Regulating Polyamine Biosynthesis. Theranostics, 2024, 14, 4218-4239.	14.3	51
52	Monocyte Transcriptome in Different Phases of Chronic Hepatitis B Virus Infection Uncovers Potential Functional Roles. Viral Immunology, 2024, 37, 287-297.	1.5	1
53	Neutralizing Autoantibodies Against Interleukin-10 in Inflammatory Bowel Disease. New England Journal of Medicine, 2024, 391, 434-441.	76.6	64
54	Potential Interventions and Interactions of Bioactive Polyphenols and Functional Polysaccharides to Alleviate Inflammatory Bowel Disease – A Review. Food Chemistry, 2025, 462, 140951.	11.2	49

#	Article	IF	Citations
55	Identification of Novel Indolinone Derivatives as CTSC Inhibitors to Treat Inflammatory Bowel Disease by Modulating Inflammatory Factors. European Journal of Medicinal Chemistry, 2024, 280, 116914.	6.9	8
56	Whole Exome Sequencing Identifies Epithelial and Immune Dysfunction-Related Biomarkers in Food Protein-Induced Enterocolitis Syndrome. Clinical and Experimental Allergy, 2024, 54, 919-929.	2.9	8
57	A Longitudinal Single-Cell Atlas of Anti-Tumour Necrosis Factor Treatment in Inflammatory Bowel Disease. Nature Immunology, 2024, 25, 1-14.	26.2	105
58	Targeting Aryl Hydrocarbon Receptor Functionally Restores Tolerogenic Dendritic Cells Derived From Patients With Multiple Sclerosis. Journal of Clinical Investigation, 2024, .	12.9	17
59	Clinical Analysis and Identification of Pediatric Patients With Colonic Ulceration. BMC Pediatrics, 2024, 24, 1-11.	2.6	1
60	Common Diagnostic Biomarkers and Molecular Mechanisms of Helicobacter pylori Infection and Inflammatory Bowel Disease. Frontiers in Immunology, 2024, 15, 1492810.	6.9	12
61	A Snapshot of Cytokine Dynamics: A Fine Balance Between Health and Disease. Journal of Cellular Biochemistry, 2025, 126, e30680.	3.3	12
62	Progress in Study on Pathogenesis of Inflammatory Bowel Disease. Bioprocess, 2024, 14, 225-234.	0.1	0
63	Familial Mediterranean Fever With Sigmoid Colon Stricture. Clinical Journal of Gastroenterology, 2025, 18, 302-309.	1.0	1
64	Immune-Mediated Bidirectional Causality Between Inflammatory Bowel Disease and Chronic Periodontitis: Evidence From Mendelian Randomization and Integrative Bioinformatics Analysis. Biomedicines, 2025, 13, 476.	4.9	4
65	Spleen Volume in Relation to Ulcerative Colitis and Crohn's Disease: A Mendelian Randomization Study. Scientific Reports, 2025, 15, 1-11.	5.2	11
66	MyD88-Mediated Signaling in Intestinal Fibroblasts Regulates Macrophage Antimicrobial Defense and Prevents Dysbiosis in the Gut. Cell Reports, 2025, 44, 115553.	7.7	7
67	Differential Effects of Tofacitinib on Macrophage Activation Contribute to Lack of Response in Ulcerative Colitis Patients. Journal of Crohn's and Colitis, 2025, .	8.8	14
68	Paradoxical Activation of Entheseal Myeloid Cells by JAK1 and Tyk2 Inhibitors via Interleukin-10 Antagonism. Arthritis and Rheumatology, 2025, 77, 1373-1386.	9.1	11
69	Circulating Mediators Linking Cardiometabolic Diseases to HFpEF: A Mediation Mendelian Randomization Analysis. Cardiovascular Diabetology, 2025, 24, 1-17.	15.7	24
70	Targeting the IL-23 Receptor Gene: A Promising Approach in Inflammatory Bowel Disease Treatment. International Journal of Molecular Sciences, 2025, 26, 4775.	5.9	19
71	Unveiling the Hidden Dance: SPP1 + Macrophages Identified in Ulcerative Colitis Reveal Crosstalk With CHI3L1 + Fibroblasts. Journal of Translational Medicine, 2025, 23, 1-17.	9.4	15
72	Phenotype and Function of Human Monocytes Remain Mainly Unaffected by Very Small Superparamagnetic Iron Oxide Particles. Frontiers in Nanotechnology, 2025, 7, 1584000.	6.3	1

#	Article	IF	Citations
73	Identification of Neutrophil Extracellular Trap-Related Biomarkers in Ulcerative Colitis Based on Bioinformatics and Machine Learning. Frontiers in Genetics, 2025, 16, 1589999.	3.2	4
74	Advances in Hydrogels for Capturing and Neutralizing Inflammatory Cytokines. Journal of Tissue Engineering, 2025, 16, 20417314251342175.	9.9	20
75	IL1A Regulates MSU-Induced Apoptosis and Inflammatory Response Through TLR4/MyD88/NF-κB Signaling Pathway. International Journal of Medical Sciences, 2025, 22, 3070-3083.	3.8	9
76	Single-Cell Transcriptional Landscape of Peripheral Myeloid Cells in Autoimmune Diseases. IScience, 2025, 28, 113026.	4.5	2
77	Correlation Study of JAK2-STAT3 Signaling Pathway and CD4 + T Lymphocyte Subset Changes in CMPA Children. Technology and Health Care, 2025, .	1.5	0
78	In Vivo Systematic Analysis of Microbiota-Prebiotic Crosstalk Reveals a Synbiotic That Effectively Ameliorates DSS-Induced Colitis in Mice. Gut Microbes, 2025, 17, 2541028.	15.6	8
79	Junctional Epithelial Plakoglobin Facilitates Intestinal Inflammation by p38MAPK-Dependent Activation of the Inflammasome. Mucosal Immunology, 2025, 0, 1257-1270.	5.5	7
80	Discovery of 7-Azaindole-3-Acrylamide Inhibitors of Inflammasomes/IL-1β for the Treatment of Inflammatory Bowel Disease. Molecular Diversity, 2026, 30, 1-18.	4.6	1
81	Unraveling the Converging Roles of ASC-Dependent Inflammasomes, Interleukin-1 Superfamily Members, Serum Amyloid a, and Non-Sterile Inflammation in Disease Pathology and Fibrosis in Inflammatory Bowel Disease and Primary Sclerosing Cholangitis. International Journal of Molecular Sciences, 2025, 26, 8042.	5.9	2
82	Revealing Potential Interfering Genes Between Abdominal Aortic Aneurysm and Periodontitis Through Machine Learning and Bioinformatics Analysis. PLoS ONE, 2025, 20, e0329592.	3.2	2
83	Probiotics in IBD: Evidence and Perspectives on Patient Health and Disease Management. International Journal of Molecular Sciences, 2025, 26, 9065.	5.9	9
84	Lactobacillus fermentum Inhibits the Development of Colitis by Regulating the Intestinal Microbiota and Metabolites to Enhance the Intestinal Barrier and Decrease Inflammatory Responses. International Journal of Molecular Sciences, 2025, 26, 9181.	5.9	3
85	Fibroblast-Mediated MMP2 Contribution to Nonresponse in Anti-TNFα Therapy for Crohn's Disease. Inflammatory Bowel Diseases, 2026, 32, 118-129.	5.5	4
86	Mendelian Randomization Study of Age-Related Macular Degeneration and Inflammatory Bowel Disease. Current Eye Research, 2026, 51, 461-469.	2.2	0
87	The Prognostic Value of miR-323b-5p in Non-Small Cell Lung Cancer and Its Mechanism of Targeting IL1A in Regulating the Proliferation and Cell Cycle of Non-Small Cell Lung Cancer Cells. Discover Oncology, 2026, 17, 314.	2.9	0
88	Deciphering the Immunocellular Regulatory Network in Inflammatory Bowel Disease: From Susceptibility Genes to Cellular Effectors and Toward Precision Therapies. Frontiers in Immunology, 2026, 16, 1719366.	6.9	4
89	TWEAK Is Increased in Ulcerative Colitis and Contributes to Fibroblast-Mediated Monocyte Activation via Heterologous Non-Canonical NF-kB/STAT3 Signaling. Journal of Crohn's and Colitis, 2026, .	8.8	1
90	Integrating Multi-Omics and Network Pharmacology: A Novel Approach to Elucidate Chinese Medicine Mechanisms in Crohn's Disease Treatment. Critical Reviews in Microbiology, 2026, 52, 715-733.	8.6	1

#	Article	IF	Citations
91	Psoriasis Modulates Inflammatory Bowel Disease Risk and Intestinal Epithelium Lipid Metabolism via IL-1β-Producing Macrophages. Cell Metabolism, 2026, 38, 963-980.e12.	30.8	5
92	Etude de l'influence du TGF-β sur les sous-populations de fibroblastes associés au cancer et leur implication pronostique dans les cancers du pancréas. , 0, .		0
93	Analyse phénotypique de la choriodécidue humaine en lien avec la parturition. , 0, .		0
94	Étude de la méthylation des gènes STAT3, IL2RA et CDH1 dans la maladie de Crohn iléale. , 0, .		0
95	REACH: C—Cause. Journal of Crohn's and Colitis, 2026, 20, ii38-ii51.	8.8	0
96	Development and Validation of a Diagnostic Nomogram Based on Peripheral Blood Composite Inflammatory Markers for Complicated Acute Appendicitis: A Retrospective Study. Frontiers in Surgery, 2026, 13, 1784195.	2.2	0
97	Sex-Related Peripheral Immune Profile in Ulcerative Colitis: Links to Fatigue. Frontiers in Immunology, 2026, 17, 1824822.	6.9	0
98	Antioxidative and Anti-Inflammatory Properties of Exopolysaccharides From Porphyridium purpureum. Archives of Medical Research, 2026, 57, 103451.	3.7	0
99	Serum Cytokine Profiles in Patients With Inflammatory Bowel Disease in Clinical Remission: A Cross-Sectional Comparison by Anti-TNF Therapy. Journal of Inflammation Research, 2026, 19, 1-11.	4.6	0
100	Vitamin D Receptor–Macrophage–IL-23 Axis in Inflammatory Bowel Disease: Pathogenic Mechanisms and Therapeutic Hope. Journal of Clinical Medicine, 2026, 15, 4296.	3.8	3
101	A Single-Cell Atlas of Ulcerative Colitis Reveals Neutrophil–Stromal Circuits Linked to Biologic Therapy Resistance. Frontiers in Immunology, 2026, 17, 1705328.	6.9	0
102	The Dual Balance of the Cytokine Network: Key Messengers of Immune Activation and Triggers of Cytokine Storm. Biomarker Research, 2026, 14, 73.	14.2	5
103	Development and Functional Adaptation of Intestinal Macrophages Across the Lifespan. Clinical and Translational Immunology, 2026, 15, e70111.	3.6	1
104	Neutralising Autoantibodies Against IL-10 and HLA-DRB1*01:03 In Paediatric Patients With Inflammatory Bowel Disease. Gut, 2026, .	19.5	1
105	A Macrophage-Targeted TIMD4 Peptide-Nanoparticle Attenuates Colitis Symptoms and Monocyte Recruitment in a Mouse Model. PLoS Biology, 2026, 24, e3004056.	5.9	0
106	IL-10 Beyond Immunosuppression: Unraveling Spatial, Cellular, and Metabolic Mechanisms of Gut Protection. International Journal of Molecular Sciences, 2026, 27, 9472.	5.9	0
107	Macrophage-Directed Immunotherapy in Inflammatory Bowel Disease: Advances in Reprogramming Intestinal Phagocytes. Immunotherapy, 2026, .	2.3	0