Scott B Snapper

List of Publications by Year
in descending order

111 papers	12,627 citations	66315 42 h-index	26591 107 g-index
115 all docs	115 docs citations	115 times ranked	21400 citing authors

#	Article	IF	Citations
1	SARS-CoV-2 Receptor ACE2 Is an Interferon-Stimulated Gene in Human Airway Epithelial Cells and Is Detected in Specific Cell Subsets across Tissues. Cell, 2020, 181, 1016-1035.e19.	13.5	1,956
2	Inflammatory Bowel Disease and Mutations Affecting the Interleukin-10 Receptor. New England Journal of Medicine, 2009, 361, 2033-2045.	13.9	1,244
3	Anti-inflammatory effect of IL-10 mediated by metabolic reprogramming of macrophages. Science, 2017, 356, 513-519.	6.0	886
4	Individual intestinal symbionts induce a distinct population of RORÎ³ ⁺ regulatory T cells. Science, 2015, 349, 993-997.	6.0	707
5	The Diagnostic Approach to Monogenic Very Early Onset Inflammatory Bowel Disease. Gastroenterology, 2014, 147, 990-1007.e3.	0.6	559
6	Prediction of complicated disease course for children newly diagnosed with Crohn's disease: a multicentre inception cohort study. Lancet, The, 2017, 389, 1710-1718.	6.3	482
7	Wiskott-Aldrich Syndrome Protein-Deficient Mice Reveal a Role for WASP in T but Not B Cell Activation. Immunity, 1998, 9, 81-91.	6.6	470
8	Interleukin-10 Receptor Signaling in Innate Immune Cells Regulates Mucosal Immune Tolerance and Anti-Inflammatory Macrophage Function. Immunity, 2014, 40, 706-719.	6.6	455
9	Haematopoietic stem and progenitor cells from human pluripotent stem cells. Nature, 2017, 545, 432-438.	13.7	395
10	Phenotype, penetrance, and treatment of 133 cytotoxic T-lymphocyte antigen 4â€“insufficient subjects. Journal of Allergy and Clinical Immunology, 2018, 142, 1932-1946.	1.5	344
11	Interleukin 10 Receptor Signaling. Advances in Immunology, 2014, 122, 177-210.	1.1	239
12	Incidence, Outcomes, and Health Services Burden of Very Early Onset Inflammatory Bowel Disease. Gastroenterology, 2014, 147, 803-813.e7.	0.6	222
13	Genetic tracing reveals a stereotyped sensory map in the olfactory cortex. Nature, 2001, 414, 173-179.	13.7	220
14	THE WISKOTT-ALDRICH SYNDROME PROTEIN (WASP): Roles in Signaling and Cytoskeletal Organization. Annual Review of Immunology, 1999, 17, 905-929.	9.5	219
15	Mutations in Tetratricopeptide Repeat Domain 7A Result in a Severe Form of Very Early Onset Inflammatory Bowel Disease. Gastroenterology, 2014, 146, 1028-1039.	0.6	175
16	Protective mucosal immunity mediated by epithelial CD1d and IL-10. Nature, 2014, 509, 497-502.	13.7	172
17	Single-Cell Analyses of Colon and Blood Reveal Distinct Immune Cell Signatures of Ulcerative Colitis and Crohnâ€™s Disease. Gastroenterology, 2020, 159, 591-608.e10.	0.6	160
18	Interleukin 1Î² Mediates Intestinal Inflammation in Mice and Patients With Interleukin 10 Receptor Deficiency. Gastroenterology, 2016, 151, 1100-1104.	0.6	156

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19	AHR Activation Is Protective against Colitis Driven by T Cells in Humanized Mice. Cell Reports, 2016, 17, 1318-1329.	2.9	147
20	CD55 Deficiency, Early-Onset Protein-Losing Enteropathy, and Thrombosis. New England Journal of Medicine, 2017, 377, 52-61.	13.9	138
21	Human RIPK1 deficiency causes combined immunodeficiency and inflammatory bowel diseases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 970-975.	3.3	130
22	Defects in Nicotinamide-adenine Dinucleotide Phosphate Oxidase Genes NOX1 and DUOX2 in Very Early Onset Inflammatory Bowel Disease. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 489-502.	2.3	127
23	Variants in Nicotinamide Adenine Dinucleotide Phosphate Oxidase Complex Components Determine Susceptibility to Very Early Onset Inflammatory Bowel Disease. Gastroenterology, 2014, 147, 680-689.e2.	0.6	106
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.	0.9	100
25	WASP confers selective advantage for specific hematopoietic cell populations and serves a unique role in marginal zone B-cell homeostasis and function. Blood, 2008, 112, 4139-4147.	0.6	99
26	Human TGF-Î²1 deficiency causes severe inflammatory bowel disease and encephalopathy. Nature Genetics, 2018, 50, 344-348.	9.4	95
27	Intestinal Inflammation and Dysregulated Immunity in Patients With Inherited Caspase-8 Deficiency. Gastroenterology, 2019, 156, 275-278.	0.6	92
28	Variants in TRIM22 That Affect NOD2 Signaling Are Associated With Very-Early-Onset Inflammatory Bowel Disease. Gastroenterology, 2016, 150, 1196-1207.	0.6	88
29	Efficient uptake of Yersinia pseudotuberculosis via integrin receptors involves a Rac1-Arp 2/3 pathway that bypasses N-WASP function. Molecular Microbiology, 2008, 42, 689-703.	1.2	87
30	The Age of Gene Discovery in Very Early Onset Inflammatory Bowel Disease. Gastroenterology, 2012, 143, 285-288.	0.6	85
31	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.	0.6	81
32	Increased Risk for Malignancies in 131 Affected CTLA4 Mutation Carriers. Frontiers in Immunology, 2018, 9, 2012.	2.2	79
33	North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition Position Paper on the Evaluation and Management for Patients With Very Earlyâ€onset Inflammatory Bowel Disease. Journal of Pediatric Gastroenterology and Nutrition, 2020, 70, 389-403.	0.9	79
34	Higher Activity of the Inducible Nitric Oxide Synthase Contributes to Very Early Onset Inflammatory Bowel Disease. Clinical and Translational Gastroenterology, 2014, 5, e46.	1.3	71
35	Therapeutic options for CTLA-4 insufficiency. Journal of Allergy and Clinical Immunology, 2022, 149, 736-746.	1.5	68
36	Activating WASP mutations associated with X-linked neutropenia result in enhanced actin polymerization, altered cytoskeletal responses, and genomic instability in lymphocytes. Journal of Experimental Medicine, 2010, 207, 1145-1152.	4.2	67

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37	Mucus sialylation determines intestinal host-commensal homeostasis. Cell, 2022, 185, 1172-1188.e28.	13.5	66
38	Clinical and Genomic Correlates of Neutrophil Reactive Oxygen Species Production in Pediatric Patients With Crohnâ€™s Disease. Gastroenterology, 2018, 154, 2097-2110.	0.6	63
39	Very Early Onset Inflammatory Bowel Disease Associated with Aberrant Trafficking of IL-10R1 and Cure by T Cell Replete Haploidentical Bone Marrow Transplantation. Journal of Clinical Immunology, 2014, 34, 331-339.	2.0	62
40	The Pediatric Cell Atlas: Defining the Growth Phase of Human Development at Single-Cell Resolution. Developmental Cell, 2019, 49, 10-29.	3.1	57
41	A Systematic Review of Monogenic Inflammatory Bowel Disease. Clinical Gastroenterology and Hepatology, 2022, 20, e653-e663.	2.4	57
42	Gain-of-function variants in SYK cause immune dysregulation and systemic inflammation in humans and mice. Nature Genetics, 2021, 53, 500-510.	9.4	56
43	Molecular Comparison of Adult and Pediatric Ulcerative Colitis Indicates Broad Similarity of Molecular Pathways in Disease Tissue. Journal of Pediatric Gastroenterology and Nutrition, 2018, 67, 45-52.	0.9	47
44	Ultrasound-Mediated Delivery of RNA to Colonic Mucosa of LiveÂMice. Gastroenterology, 2017, 152, 1151-1160.	0.6	46
45	Common and Rare Variant Prediction and Penetrance of IBD in a Large, Multi-ethnic, Health System-based Biobank Cohort. Gastroenterology, 2021, 160, 1546-1557.	0.6	43
46	STAT1 signaling shields T cells from NK cell-mediated cytotoxicity. Nature Communications, 2019, 10, 912.	5.8	41
47	WASP-mediated regulation of anti-inflammatory macrophages is IL-10 dependent and is critical for intestinal homeostasis. Nature Communications, 2018, 9, 1779.	5.8	40
48	Novel exonic mutation inducing aberrant splicing in the IL10RA gene and resulting in infantile-onset inflammatory bowel disease: a case report. BMC Gastroenterology, 2016, 16, 10.	0.8	39
49	High-dimensional immune phenotyping and transcriptional analyses reveal robust recovery of viable human immune and epithelial cells from frozen gastrointestinal tissue. Mucosal Immunology, 2018, 11, 1684-1693.	2.7	38
50	Childrenâ€™s rare disease cohorts: an integrative research and clinical genomics initiative. Npj Genomic Medicine, 2020, 5, 29.	1.7	38
51	Somatic mosaicism and common genetic variation contribute to the risk of very-early-onset inflammatory bowel disease. Nature Communications, 2020, 11, 995.	5.8	37
52	An Integrated Taxonomy for Monogenic Inflammatory Bowel Disease. Gastroenterology, 2022, 162, 859-876.	0.6	37
53	Drug Screen Identifies Leflunomide for Treatment of Inflammatory Bowel Disease Caused by TTC7A Deficiency. Gastroenterology, 2020, 158, 1000-1015.	0.6	36
54	Constitutive activation of WASp in X-linked neutropenia renders neutrophils hyperactive. Journal of Clinical Investigation, 2018, 128, 4115-4131.	3.9	35

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55	Fatal autoimmunity in mice reconstituted with human hematopoietic stem cells encoding defective FOXP3. Blood, 2015, 125, 3886-3895.	0.6	33
56	In utero human intestine harbors unique metabolome, including bacterial metabolites. JCI Insight, 2020, 5, .	2.3	33
57	Wiskottâ€“Aldrich Syndrome Protein Deficiency in Innate Immune Cells Leads to Mucosal Immune Dysregulation and Colitis in Mice. Gastroenterology, 2012, 143, 719-729.e2.	0.6	32
58	Large Bâ€Cell Lymphoma in an Adolescent Patient With Interleukinâ€10 Receptor Deficiency and History of Infantile Inflammatory Bowel Disease. Journal of Pediatric Gastroenterology and Nutrition, 2016, 63, e15-7.	0.9	31
59	Deletion of Wiskottâ€“Aldrich syndrome protein triggers Rac2 activity and increased cross-presentation by dendritic cells. Nature Communications, 2016, 7, 12175.	5.8	31
60	N-WASP Is Required for Structural Integrity of the Blood-Testis Barrier. PLoS Genetics, 2014, 10, e1004447.	1.5	30
61	Inhibition of Inflammatory Gene Transcription by IL-10 Is Associated with Rapid Suppression of Lipopolysaccharide-Induced Enhancer Activation. Journal of Immunology, 2017, 198, 2906-2915.	0.4	30
62	Foxo1 controls gut homeostasis and commensalism by regulating mucus secretion. Journal of Experimental Medicine, 2021, 218, .	4.2	30
63	Attaching-and-Effacing Pathogens Exploit Junction Regulatory Activities of N-WASP and SNX9 to Disrupt the Intestinal Barrier. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 273-288.	2.3	29
64	Enhanced TH17 Responses in Patients with IL10 Receptor Deficiency and Infantile-onset IBD. Inflammatory Bowel Diseases, 2017, 23, 1950-1961.	0.9	28
65	CD16+CD163+ monocytes traffic to sites of inflammation during necrotizing enterocolitis in premature infants. Journal of Experimental Medicine, 2021, 218, .	4.2	28
66	Macrophage dysfunction initiates colitis during weaning of infant mice lacking the interleukin-10 receptor. ELife, 2017, 6, .	2.8	26
67	The Impact of Combination Therapy on Infliximab Levels and Antibodies in Children and Young Adults With Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2018, 24, 1344-1351.	0.9	26
68	CARMIL2 Deficiency Presenting as Very Early Onset Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2019, 25, 1788-1795.	0.9	26
69	IL-10 induces a STAT3-dependent autoregulatory loop in T _H 2 cells that promotes Blimp-1 restriction of cell expansion via antagonism of STAT5 target genes. Science Immunology, 2016, 1, .	5.6	26
70	Deletion of WASp and N-WASp in B cells cripples the germinal center response and results in production of IgM autoantibodies. Journal of Autoimmunity, 2015, 62, 81-92.	3.0	25
71	Oocyte-specific deletion ofN-WASPdoes not affect oocyte polarity, but causes failure of meiosis II completion. Molecular Human Reproduction, 2016, 22, 613-621.	1.3	25
72	A probabilistic pathway score (PROPS) for classification with applications to inflammatory bowel disease. Bioinformatics, 2018, 34, 985-993.	1.8	25

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73	Low-Dose Interleukin-2 Ameliorates Colitis in a Preclinical Humanized Mouse Model. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 193-195.	2.3	25
74	Natural History ofâ€‰ Very Early Onset Inflammatory Bowel Disease in North America: A Retrospective Cohort Study. Inflammatory Bowel Diseases, 2021, 27, 295-302.	0.9	25
75	Live cell tagging tracking and isolation for spatial transcriptomics using photoactivatable cell dyes. Nature Communications, 2021, 12, 4995.	5.8	25
76	N-WASP is required for B-cellâ€“mediated autoimmunity in Wiskott-Aldrich syndrome. Blood, 2016, 127, 216-220.	0.6	24
77	An integrated clinical program and crowdsourcing strategy for genomic sequencing and Mendelian disease gene discovery. Npj Genomic Medicine, 2018, 3, 21.	1.7	24
78	An algorithm for the classification of mRNA patterns in eosinophilic esophagitis: Integration of machine learning. Journal of Allergy and Clinical Immunology, 2018, 141, 1354-1364.e9.	1.5	22
79	Genetic variants and pathways implicated in a pediatric inflammatory bowel disease cohort. Genes and Immunity, 2019, 20, 131-142.	2.2	22
80	A Unique Presentation of Infantile-Onset Colitis and Eosinophilic Disease without Recurrent Infections Resulting from a Novel Homozygous CARMIL2 Variant. Journal of Clinical Immunology, 2019, 39, 430-439.	2.0	21
81	Treatment-Specific Composition of the Gut Microbiota Is Associated With Disease Remission in a Pediatric Crohnâ€™s Disease Cohort. Inflammatory Bowel Diseases, 2019, 25, 1927-1938.	0.9	20
82	Variation in Care in the Management of Children With Crohnâ€™s Disease: Data From a Multicenter Inception Cohort Study. Inflammatory Bowel Diseases, 2019, 25, 1208-1217.	0.9	20
83	Small intestinal immunopathology and GI-associated antibody formation in hereditary alpha-tryptasemia. Journal of Allergy and Clinical Immunology, 2021, 148, 813-821.e7.	1.5	17
84	Nuclear Wiskottâ€“Aldrich syndrome protein co-regulates T cell factor 1-mediated transcription in T cells. Genome Medicine, 2017, 9, 91.	3.6	16
85	Evolution of Pediatric Inflammatory Bowel Disease Unclassified (IBD-U): Incorporated With Serological and Gene Expression Profiles. Inflammatory Bowel Diseases, 2018, 24, 2285-2290.	0.9	15
86	Immunologic Alterations Associated With Oral Delivery of Anti-CD3 (OKT3) Monoclonal Antibodies in Patients With Moderate-to-Severe Ulcerative Colitis. Crohn's & Colitis 360, 2019, 1, otz009.	0.5	13
87	Aerodigestive sampling reveals altered microbial exchange between lung, oropharyngeal, and gastric microbiomes in children with impaired swallow function. PLoS ONE, 2019, 14, e0216453.	1.1	12
88	Genetic and Structural Analysis of a SKIV2L Mutation Causing Tricho-hepato-enteric Syndrome. Digestive Diseases and Sciences, 2018, 63, 1192-1199.	1.1	11
89	A quantitative single-cell assay for retrograde membrane traffic enables rapid detection of defects in cellular organization. Molecular Biology of the Cell, 2020, 31, 511-519.	0.9	11
90	Alterations in T and B Cell Receptor Repertoires Patterns in Patients With IL10 Signaling Defects and History of Infantile-Onset IBD. Frontiers in Immunology, 2020, 11, 109.	2.2	11

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91	Novel CARMIL2 loss-of-function variants are associated with pediatric inflammatory bowel disease. Scientific Reports, 2021, 11, 5945.	1.6	11
92	The Development and Initial Findings of A Study of a Prospective Adult Research Cohort with Inflammatory Bowel Disease (SPARC IBD). Inflammatory Bowel Diseases, 2022, 28, 192-199.	0.9	11
93	ADAMTS13 Deficiency Worsens Colitis and Exogenous ADAMTS13 Administration Decreases Colitis Severity in Mice. TH Open, 2017, 01, e11-e23.	0.7	10
94	The Treatment of Inflammatory Bowel Disease in Patients with Selected Primary Immunodeficiencies. Journal of Clinical Immunology, 2018, 38, 579-588.	2.0	10
95	Mucosal Gene Expression in Pediatric and Adult Patients With Ulcerative Colitis Permits Modeling of Ideal Biopsy Collection Strategy for Transcriptomic Analysis. Inflammatory Bowel Diseases, 2018, 24, 2565-2578.	0.9	10
96	An RTEL1 Mutation Links to Infantile-Onset Ulcerative Colitis and Severe Immunodeficiency. Journal of Clinical Immunology, 2020, 40, 1010-1019.	2.0	10
97	Restored Macrophage Function Ameliorates Disease Pathophysiology in a Mouse Model for IL10 Receptor-deficient Very Early Onset Inflammatory Bowel Disease. Journal of Crohn's and Colitis, 2021, 15, 1588-1595.	0.6	10
98	CCR2 promotes monocyte recruitment and intestinal inflammation in mice lacking the interleukin-10 receptor. Scientific Reports, 2022, 12, 452.	1.6	10
99	Genetic and Transcriptomic Variation Linked to Neutrophil Granulocyteâ€“Macrophage Colony-Stimulating Factor Signaling in Pediatric Crohnâ€™s Disease. Inflammatory Bowel Diseases, 2019, 25, 547-560.	0.9	8
100	Utilizing a reductionist model to study host-microbe interactions in intestinal inflammation. Microbiome, 2021, 9, 215.	4.9	8
101	Constitutive activation of WASp leads to abnormal cytotoxic cells with increased granzyme B and degranulation response to target cells. JCI Insight, 2021, 6, .	2.3	7
102	Variants in STXBP3 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.	0.6	7
103	Monogenic Inflammatory Bowel Disease: It's Never Too Late to Make a Diagnosis. Frontiers in Immunology, 2020, 11, 1775.	2.2	6
104	16S rRNA sequencing analysis: the devil is in the details. Gut Microbes, 2020, 11, 1139-1142.	4.3	6
105	Humanized mouse models of genetic immune disorders and hematological malignancies. Biochemical Pharmacology, 2020, 174, 113671.	2.0	5
106	The E3 ubiquitin ligase UBR5 interacts with TTC7A and may be associated with very early onset inflammatory bowel disease. Scientific Reports, 2020, 10, 18648.	1.6	4
107	Hematopoietic Stem and Progenitor Cells from Human Pluripotent Stem Cells Via Transcription Factor Conversion of Hemogenic Endothelium. Blood, 2016, 128, 371-371.	0.6	3
108	Interleukin-10 Signaling in Hematopoietic Stem and Progenitor Cells Maintains Stem Cell Function and Regulates Inflammation-Induced Myeloid Cell Output. Blood, 2018, 132, 2407-2407.	0.6	3

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109	Gradual disappearance of intestinal CD103+ dendritic cells in intestinal mucosa of CCR9â^'/â^' mice in an experimental chronic DSS-mediated colitis. Inflammatory Bowel Diseases, 2011, 17, S76.	0.9	0
110	Colitis in mice with WASP-Deficient myleoid cells is associated with defects in IL-10 secretion and can be rescued with exogenous IL-10. Inflammatory Bowel Diseases, 2011, 17, S74-S75.	0.9	0
111	Gastrointestinal Manifestations of Immunodeficiency. , 2021, , 429-450.e7.		0