

Jakob Begun

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

3,618
citations

25
h-index

60
g-index

93
ext. papers

4,851
ext. citations

7.2
avg. IF

4.92
L-index

#	Paper	IF	Citations
80	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
79	Long-lived <i>C. elegans</i> daf-2 mutants are resistant to bacterial pathogens. <i>Science</i> , 2003 , 300, 1921	33.3	428
78	<i>Caenorhabditis elegans</i> as a model host for <i>Staphylococcus aureus</i> pathogenesis. <i>Infection and Immunity</i> , 2003 , 71, 2208-17	3.7	240
77	IL-1 receptor blockade restores autophagy and reduces inflammation in chronic granulomatous disease in mice and in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3526-31	11.5	229
76	The worm has turned--microbial virulence modeled in <i>Caenorhabditis elegans</i> . <i>Trends in Microbiology</i> , 2005 , 13, 119-27	12.4	226
75	Crystal structure of an Xrcc4-DNA ligase IV complex. <i>Nature Structural Biology</i> , 2001 , 8, 1015-9		200
74	The LRR and RING domain protein LRSAM1 is an E3 ligase crucial for ubiquitin-dependent autophagy of intracellular <i>Salmonella Typhimurium</i> . <i>Cell Host and Microbe</i> , 2012 , 12, 778-90	23.4	175
73	Review article: consensus statements on therapeutic drug monitoring of anti-tumour necrosis factor therapy in inflammatory bowel diseases. <i>Alimentary Pharmacology and Therapeutics</i> , 2017 , 46, 1037-1053	6.1	165
72	High Fat Diets Induce Colonic Epithelial Cell Stress and Inflammation that is Reversed by IL-22. <i>Scientific Reports</i> , 2016 , 6, 28990	4.9	159
71	Deep resequencing of GWAS loci identifies rare variants in CARD9, IL23R and RNF186 that are associated with ulcerative colitis. <i>PLoS Genetics</i> , 2013 , 9, e1003723	6	149
70	<i>Staphylococcal</i> biofilm exopolysaccharide protects against <i>Caenorhabditis elegans</i> immune defenses. <i>PLoS Pathogens</i> , 2007 , 3, e57	7.6	126
69	MHC Class II Antigen Presentation by the Intestinal Epithelium Initiates Graft-versus-Host Disease and Is Influenced by the Microbiota. <i>Immunity</i> , 2019 , 51, 885-898.e7	32.3	84
68	DAF-16-dependent suppression of immunity during reproduction in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2008 , 178, 903-18	4	78
67	Substrate-Based Cyclic Peptidomimetics of Phe-Ile-Val That Inhibit HIV-1 Protease Using a Novel Enzyme-Binding Mode. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3375-3379	16.4	72
66	<i>Staphylococcus aureus</i> virulence factors identified by using a high-throughput <i>Caenorhabditis elegans</i> -killing model. <i>Infection and Immunity</i> , 2005 , 73, 872-7	3.7	69
65	Genetic Coding Variant in GPR65 Alters Lysosomal pH and Links Lysosomal Dysfunction with Colitis Risk. <i>Immunity</i> , 2016 , 44, 1392-405	32.3	68
64	Gastrointestinal ultrasound in inflammatory bowel disease: an underused resource with potential paradigm-changing application. <i>Gut</i> , 2018 , 67, 973-985	19.2	61

63	Molecular recognition of macrocyclic peptidomimetic inhibitors by HIV-1 protease. <i>Biochemistry</i> , 1999 , 38, 7978-88	3.2	55
62	Getting the adrenaline going: crystal structure of the adrenaline-synthesizing enzyme PNMT. <i>Structure</i> , 2001 , 9, 977-85	5.2	54
61	Colonic microbiota can promote rapid local improvement of murine colitis by thioguanine independently of T lymphocytes and host metabolism. <i>Gut</i> , 2017 , 66, 59-69	19.2	43
60	The gut bacterium and pathobiont <i>Bacteroides vulgatus</i> activates NF- κ B in a human gut epithelial cell line in a strain and growth phase dependent manner. <i>Anaerobe</i> , 2017 , 47, 209-217	2.8	40
59	Cancer therapeutics with epigallocatechin-3-gallate encapsulated in biopolymeric nanoparticles. <i>International Journal of Pharmaceutics</i> , 2017 , 518, 220-227	6.5	36
58	The role of barrier function, autophagy, and cytokines in maintaining intestinal homeostasis. <i>Seminars in Cell and Developmental Biology</i> , 2017 , 61, 51-59	7.5	36
57	Integrated Genomics of Crohn's Disease Risk Variant Identifies a Role for CLEC12A in Antibacterial Autophagy. <i>Cell Reports</i> , 2015 , 11, 1905-18	10.6	32
56	A systematic review and meta-analysis of mindfulness based interventions and yoga in inflammatory bowel disease. <i>Journal of Psychosomatic Research</i> , 2019 , 116, 44-53	4.1	26
55	Australian consensus statements for the regulation, production and use of faecal microbiota transplantation in clinical practice. <i>Gut</i> , 2020 , 69, 801-810	19.2	25
54	The role of IL-22 in the resolution of sterile and nonsterile inflammation. <i>Clinical and Translational Immunology</i> , 2018 , 7, e1017	6.8	23
53	pH - Responsive colloidal carriers assembled from β -lactoglobulin and Epsilon poly-L-lysine for oral drug delivery. <i>Journal of Colloid and Interface Science</i> , 2021 , 589, 45-55	9.3	16
52	Towards an integrated understanding of the therapeutic utility of exclusive enteral nutrition in the treatment of Crohn's disease. <i>Food and Function</i> , 2016 , 7, 1741-51	6.1	14
51	Infliximab, adalimumab and vedolizumab concentrations across pregnancy and vedolizumab concentrations in infants following intrauterine exposure. <i>Alimentary Pharmacology and Therapeutics</i> , 2020 , 52, 1551-1562	6.1	14
50	MUC13 promotes the development of colitis-associated colorectal tumors via β -catenin activity. <i>Oncogene</i> , 2019 , 38, 7294-7310	9.2	13
49	Distinct Tissue-Specific Roles for the Disease-Associated Autophagy Genes ATG16L2 and ATG16L1. <i>Journal of Immunology</i> , 2019 , 203, 1820-1829	5.3	12
48	IFN- γ therapy prevents severe gastrointestinal graft-versus-host disease. <i>Blood</i> , 2021 , 138, 722-737	2.2	12
47	One-Pot Synthesis of pH-Responsive Eudragit-Mesoporous Silica Nanocomposites Enable Colonic Delivery of Glucocorticoids for the Treatment of Inflammatory Bowel Disease. <i>Advanced Therapeutics</i> , 2021 , 4, 2000165	4.9	12
46	Letter: vedolizumab drug concentrations in neonates following intrauterine exposure. <i>Alimentary Pharmacology and Therapeutics</i> , 2018 , 48, 1328-1330	6.1	12

45	AHG0090 is a Genetically Tractable Bacterium and Produces a Secreted Peptidic Bioactive that Suppresses Nuclear Factor Kappa B Activation in Human Gut Epithelial Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 790	8.4	10
44	Autophagy at the crossroads of metabolism and cellular defense. <i>Current Opinion in Gastroenterology</i> , 2013 , 29, 588-96	3	10
43	Gastrointestinal ultrasound in inflammatory bowel disease care: Patient perceptions and impact on disease-related knowledge. <i>JGH Open</i> , 2020 , 4, 267-272	1.8	10
42	Malnutrition and quality of life among adult inflammatory bowel disease patients. <i>JGH Open</i> , 2020 , 4, 454-460	1.8	10
41	Protocol for a pilot randomised controlled trial of mindfulness-based cognitive therapy in youth with inflammatory bowel disease and depression. <i>BMJ Open</i> , 2019 , 9, e025568	3	8
40	Colonic thioguanine pro-drug: Investigation of microbiome and novel host metabolism. <i>Gut Microbes</i> , 2018 , 9, 175-178	8.8	8
39	Faecal calprotectin testing for identifying patients with organic gastrointestinal disease: systematic review and meta-analysis. <i>Medical Journal of Australia</i> , 2019 , 211, 461-467	4	8
38	Standardisation of intestinal ultrasound scoring in clinical trials for luminal Crohn's disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2021 , 53, 873-886	6.1	6
37	Vedolizumab for ulcerative colitis: Real world outcomes from a multicenter observational cohort of Australia and Oxford. <i>World Journal of Gastroenterology</i> , 2020 , 26, 4428-4441	5.6	6
36	Practical management of inflammatory bowel disease patients during the COVID-19 pandemic: expert commentary from the Gastroenterological Society of Australia Inflammatory Bowel Disease faculty. <i>Internal Medicine Journal</i> , 2020 , 50, 798-804	1.6	6
35	Switching Australian patients with moderate to severe inflammatory bowel disease from originator to biosimilar infliximab: a multicentre, parallel cohort study. <i>Medical Journal of Australia</i> , 2021 , 214, 1284-1334	4.33	6
34	Clinical decision support improves quality of care in patients with ulcerative colitis. <i>Alimentary Pharmacology and Therapeutics</i> , 2019 , 49, 1040-1051	6.1	5
33	Monitoring Inflammatory Bowel Disease in Pregnancy Using Gastrointestinal Ultrasonography. <i>Journal of Crohn's and Colitis</i> , 2020 , 14, 1405-1412	1.5	5
32	Crystallization and preliminary X-ray analysis of thiaminase I from <i>Bacillus thiaminolyticus</i> : space group change upon freezing of crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998 , 54, 448-50		5
31	Crohn's Colitis Care (CCCare): bespoke cloud-based clinical management software for inflammatory bowel disease. <i>Scandinavian Journal of Gastroenterology</i> , 2020 , 55, 1419-1426	2.4	4
30	Crystallization of PNMT, the adrenaline-synthesizing enzyme, is critically dependent on a high protein concentration. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002 , 58, 314-5		4
29	Mindfulness-Based Cognitive Therapy Experiences in Youth With Inflammatory Bowel Disease and Depression: Protocol for a Mixed Methods Qualitative Study. <i>JMIR Research Protocols</i> , 2019 , 8, e14432	2	4
28	Mindfulness-based cognitive therapy experiences in youth with inflammatory bowel disease and depression: findings from a mixed methods qualitative study. <i>BMJ Open</i> , 2020 , 10, e041140	3	4

27	A Nucleotide Analog Prevents Colitis-Associated Cancer via Beta-Catenin Independently of Inflammation and Autophagy. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 11, 33-53	7.9	4
26	IgM and IgA augmented autoantibody signatures improve early-stage detection of colorectal cancer prior to nodal and distant spread. <i>Clinical and Translational Immunology</i> , 2021 , 10, e1330	6.8	3
25	Secreted NF- κ B suppressive microbial metabolites modulate gut inflammation.. <i>Cell Reports</i> , 2022 , 39, 110646	10.6	3
24	Enteroliths in a Kock continent ileostomy: case report and review of the literature. <i>Endoscopy</i> , 2015 , 47 Suppl 1 UCTN, E200-1	3.4	2
23	The psychosocial burden of inflammatory bowel disease in adolescents and young adults. <i>Internal Medicine Journal</i> , 2020 ,	1.6	2
22	Prospective randomised controlled trial of adults with perianal fistulising Crohn's disease and optimised therapeutic infliximab levels: PROACTIVE trial study protocol. <i>BMJ Open</i> , 2021 , 11, e043921	3	2
21	Higher Anti-tumor Necrosis Factor- α Levels Correlate With Improved Radiologic Outcomes in Crohn's Perianal Fistulas. <i>Clinical Gastroenterology and Hepatology</i> , 2021 ,	6.9	2
20	Ustekinumab levels in pregnant women with inflammatory bowel disease and infants exposed in utero.. <i>Alimentary Pharmacology and Therapeutics</i> , 2021 ,	6.1	2
19	Multinational evaluation of clinical decision-making in the treatment and management of mild-to-moderate ulcerative colitis.. <i>Scandinavian Journal of Gastroenterology</i> , 2021 , 1-8	2.4	2
18	Facile synthesis of dendrimer like mesoporous silica nanoparticles to enhance targeted delivery of interleukin-22. <i>Biomaterials Science</i> , 2021 , 9, 7402-7411	7.4	1
17	Secreted microbial metabolites modulate gut immunity and inflammatory tone		1
16	Adhesion to E-selectin primes macrophages for activation through AKT and mTOR. <i>Immunology and Cell Biology</i> , 2021 , 99, 622-639	5	1
15	SARS-CoV-2 vaccination in patients with inflammatory bowel disease. <i>GastroHep</i> , 2021 , 3, 212-228	1	1
14	Inflammatory bowel disease in the clinic: Escalation and de-escalation of therapy: A longitudinal case-based discussion. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2016 , 31 Suppl 1, 12-3	4	1
13	Gut microbiota shape the inflammatory response in mice with an epithelial defect. <i>Gut Microbes</i> , 2021 , 13, 1-18	8.8	1
12	Expression of CD49f defines subsets of human regulatory T cells with divergent transcriptional landscape and function that correlate with ulcerative colitis disease activity. <i>Clinical and Translational Immunology</i> , 2021 , 10, e1334	6.8	1
11	Mindfulness based cognitive therapy for youth with inflammatory bowel disease and depression - Findings from a pilot randomised controlled trial. <i>Journal of Psychosomatic Research</i> , 2021 , 149, 110594	4.1	1
10	Inhibition of the master regulator of <i>Listeria monocytogenes</i> virulence enables bacterial clearance from spacious replication vacuoles in infected macrophages.. <i>PLoS Pathogens</i> , 2022 , 18, e1010166	7.6	0

9	Successful Manipulation of the Gut Microbiome to Treat Spontaneous and Induced Murine Models of Colitis 2022 , 1, 359-374	0
8	The future of faecal microbiota transplantation in gastrointestinal illness. <i>Microbiology Australia</i> , 2020 , 41, 70	0.8
7	Aeromedical retrievals for gastrointestinal disorders in rural and remote Australia: the need for improved access to specialist advice. <i>Internal Medicine Journal</i> , 2020 , 50, 619-623	1.6
6	ATG16L1 T300A Dependent Differential Gene Expression Identifies Genes Required for Anti-Bacterial Autophagy. <i>Inflammatory Bowel Diseases</i> , 2012 , 18, S103	4.5
5	So many therapies-So little data: How to choose? Session two summary. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2021 , 36 Suppl 1, 14-15	4
4	Selectively targeting the gut in inflammatory bowel disease: Session four summary. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2018 , 33 Suppl 3, 25	4
3	Positioning biologics-A case-based discussion: Ustekinumab. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2018 , 33 Suppl 3, 16-17	4
2	Personalizing inflammatory bowel disease treatment symposium: Foreward. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2018 , 33 Suppl 3, 3	4
1	Predictors in inflammatory bowel disease: Looking into the magic ball: Session one summary. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2018 , 33 Suppl 3, 4	4