

# Oliver Bachmann

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

3,898  
citations

186265

28  
h-index

168389

53  
g-index

59  
all docs

59  
docs citations

59  
times ranked

4562  
citing authors

#	ARTICLE	IF	CITATIONS
1	ECCO Guidelines on Therapeutics in Crohn's Disease: Medical Treatment. Journal of Crohn's and Colitis, 2020, 14, 4-22.	1.3	741
2	ECCO Guidelines on Therapeutics in Crohn's Disease: Surgical Treatment. Journal of Crohn's and Colitis, 2020, 14, 155-168.	1.3	478
3	Diagnosis, monitoring and management of immune-related adverse drug reactions of anti-PD-1 antibody therapy. Cancer Treatment Reviews, 2016, 45, 7-18.	7.7	354
4	ECCO Guidelines on Therapeutics in Ulcerative Colitis: Medical Treatment. Journal of Crohn's and Colitis, 2022, 16, 2-17.	1.3	288
5	Myeloid-Derived Suppressor Cells in Inflammatory Bowel Disease: A New Immunoregulatory Pathway. Gastroenterology, 2008, 135, 871-881.e5.	1.3	262
6	Use of Intestinal Ultrasound to Monitor Crohn's Disease Activity. Clinical Gastroenterology and Hepatology, 2017, 15, 535-542.e2.	4.4	165
7	Vedolizumab induction therapy for inflammatory bowel disease in clinical practice – a nationwide consecutive German cohort study. Alimentary Pharmacology and Therapeutics, 2016, 43, 1090-1102.	3.7	155
8	ECCO Guidelines on Therapeutics in Ulcerative Colitis: Surgical Treatment. Journal of Crohn's and Colitis, 2022, 16, 179-189.	1.3	120
9	Apoptosis of regulatory T lymphocytes is increased in chronic inflammatory bowel disease and reversed by anti-TNF $\alpha$ treatment. Gut, 2011, 60, 1345-1353.	12.1	91
10	The Na <sup>+</sup> /H <sup>+</sup> exchanger isoform 2 is the predominant NHE isoform in murine colonic crypts and its lack causes NHE3 upregulation. American Journal of Physiology - Renal Physiology, 2004, 287, G125-G133.	3.4	78
11	Loss of downregulated in adenoma (DRA) impairs mucosal HCO <sub>3</sub> <sup>-</sup> secretion in murine ileocolonic inflammation. Inflammatory Bowel Diseases, 2012, 18, 101-111.	1.9	78
12	Transcutaneous perianal sonography: A sensitive method for the detection of perianal inflammatory lesions in Crohn's disease. World Journal of Gastroenterology, 2004, 10, 2859.	3.3	66
13	Alcohol, microbiome, and their effect on psychiatric disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 85, 105-115.	4.8	61
14	NHE3 inhibition by cAMP and Ca <sup>2+</sup> is abolished in PDZ-domain protein PDZK1-deficient murine enterocytes. Journal of Physiology, 2007, 581, 1235-1246.	2.9	60
15	Serotonin 5-HT <sub>7</sub> Receptor Is Critically Involved in Acute and Chronic Inflammation of the Gastrointestinal Tract. Inflammatory Bowel Diseases, 2014, 20, 1516-1529.	1.9	57
16	Preserved Na <sup>+</sup> /H <sup>+</sup> exchanger isoform 3 expression and localization, but decreased NHE3 function indicate regulatory sodium transport defect in ulcerative colitis. Inflammatory Bowel Diseases, 2010, 16, 1149-1161.	1.9	54
17	A Randomised, Double-blind, Placebo-controlled Trial of <i>Trichuris suis</i> ova in Active Crohn's disease. Journal of Crohn's and Colitis, 2017, 11, jcw184.	1.3	54
18	Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> cotransport and expression of NBC1 and NBC2 in rabbit gastric parietal and mucous cells. Gastroenterology, 1999, 116, 1389-1398.	1.3	52

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19	Differential expression and regulation of Na <sup>+</sup> /H <sup>+</sup> exchanger isoforms in rabbit parietal and mucous cells. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G447-G458.	3.4	52
20	Differential expression and regulation of AE2 anion exchanger subtypes in rabbit parietal and mucous cells. <i>Journal of Physiology</i> , 2001, 534, 837-848.	2.9	45
21	Basolateral ion transporters involved in colonic epithelial electrolyte absorption, anion secretion and cellular homeostasis. <i>Acta Physiologica</i> , 2011, 201, 33-46.	3.8	44
22	Carbachol increases Na <sup>+</sup> -HCO <sub>3</sub> <sup>-</sup> cotransport activity in murine colonic crypts in a M3 <sup>-</sup> , Ca <sup>2+</sup> /calmodulin-, and PKC-dependent manner. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, G650-G657.	3.4	37
23	Expression and Regulation of the Na <sup>+</sup> + K <sup>+</sup> + 2Cl <sup>-</sup> Cotransporter NKCC1 in the Normal and CFTR <sup>-</sup> Deficient Murine Colon. <i>Journal of Physiology</i> , 2003, 549, 525-536.	2.9	34
24	BaiCD gene cluster abundance is negatively correlated with <i>Clostridium difficile</i> infection. <i>PLoS ONE</i> , 2018, 13, e0196977.	2.5	34
25	Inflammatory Cutaneous Lesions in Inflammatory Bowel Disease Treated With Vedolizumab or Ustekinumab: An ECCO CONFER Multicentre Case Series. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 1488-1493.	1.3	34
26	Non-celiac gluten/wheat sensitivity (NCGS) – a currently undefined disorder without validated diagnostic criteria and of unknown prevalence. <i>Allergo Journal International</i> , 2018, 27, 147-151.	2.0	33
27	Knockout mouse models for intestinal electrolyte transporters and regulatory PDZ adaptors: new insights into cystic fibrosis, secretory diarrhoea and fructose-induced hypertension. <i>Experimental Physiology</i> , 2009, 94, 175-179.	2.0	31
28	Detection of cytomegalovirus (CMV) by real-time PCR in fecal samples for the non-invasive diagnosis of CMV intestinal disease. <i>Journal of Clinical Virology</i> , 2014, 61, 517-522.	3.1	29
29	Evidence for a causal link between adaptor protein PDZK1 downregulation and Na <sup>+</sup> /H <sup>+</sup> exchanger NHE3 dysfunction in human and murine colitis. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 1795-1807.	2.8	29
30	News from the End of the Gut-How the Highly Segmental Pattern of Colonic HCO <sub>3</sub> <sup>-</sup> Transport Relates to Absorptive Function and Mucosal Integrity. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 794-802.	1.4	28
31	Secretagogue stimulation enhances NBCe1 (electrogenic Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> cotransporter) surface expression in murine colonic crypts. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, G1223-G1231.	3.4	27
32	Essential role of the electroneutral Na <sup>+</sup> -HCO <sub>3</sub> <sup>-</sup> cotransporter NBCn1 in murine duodenal acid-base balance and colonic mucus layer build-up <i>in vivo</i> . <i>Journal of Physiology</i> , 2013, 591, 2189-2204.	2.9	27
33	Increased Epithelial Permeability Is the Primary Cause for Bicarbonate Loss in Inflamed Murine Colon. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 904-911.	1.9	26
34	The impact of technical and clinical factors on fecal microbiota transfer outcomes for the treatment of recurrent <i>Clostridioides difficile</i> infections in Germany. <i>United European Gastroenterology Journal</i> , 2019, 7, 716-722.	3.8	24
35	Mechanisms of secretion-associated shrinkage and volume recovery in cultured rabbit parietal cells. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G711-G717.	3.4	23
36	Expression and Function of Na <sup>+</sup> -HCO <sub>3</sub> <sup>-</sup> Cotransporters in the Gastrointestinal Tract. <i>Annals of the New York Academy of Sciences</i> , 2000, 915, 1-14.	3.8	20

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37	Agonist-induced cytoplasmic volume changes in cultured rabbit parietal cells. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 279, G40-G48.	3.4	19
38	Recent advances in the molecular and functional characterization of acid/base and electrolyte transporters in the basolateral membranes of gastric and duodenal epithelial cells. <i>Acta Physiologica</i> , 2011, 201, 3-20.	3.8	19
39	cAMP-dependent and cholinergic regulation of the electrogenic intestinal/pancreatic Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> -cotransporter pNBC1 in human embryonic kidney (HEK293) cells. <i>BMC Cell Biology</i> , 2008, 9, 70.	3.0	11
40	Quality of Life Is Associated With Wearable-Based Physical Activity in Patients With Inflammatory Bowel Disease: A Prospective, Observational Study. <i>Clinical and Translational Gastroenterology</i> , 2019, 10, e00094.	2.5	10
41	Short-Term Regulation of Murine Colonic NBCe1-B (Electrogenic Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> Cotransporter) Membrane Expression and Activity by Protein Kinase C. <i>PLoS ONE</i> , 2014, 9, e92275.	2.5	7
42	Regional differences in health care of patients with inflammatory bowel disease in Germany. <i>Health Economics Review</i> , 2015, 5, 29.	2.0	7
43	Microbiota-associated Risk Factors for <i>Clostridioides difficile</i> Acquisition in Hospitalized Patients: A Prospective, Multicentric Study. <i>Clinical Infectious Diseases</i> , 2021, 73, e2625-e2634.	5.8	6
44	Fecal calprotectin is significantly linked to azathioprine metabolite concentrations in Crohn's disease. <i>European Journal of Gastroenterology and Hepatology</i> , 2019, 31, 99-108.	1.6	3
45	T1875 Molecular and Functional Evidence for a Predominant Role of Electrogenic Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> Cotransport (NBCe1) Compared to Electroneutral Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> Cotransport (NBCn1) in Murine Colon. <i>Gastroenterology</i> , 2010, 138, S-597.	1.3	1
46	The electroneutral Na <sup>+</sup> + HCO <sub>3</sub> <sup>-</sup> cotransporter NBCn1 plays an essential role in duodenal acid/base balance and colonic mucus layer build-up in anaesthetised mice. <i>FASEB Journal</i> , 2013, 27, 730.4.	0.5	1
47	The AE2 subtypes are differentially expressed and regulated in rabbit parietal and mucous cells. <i>Gastroenterology</i> , 2000, 118, A33.	1.3	0
48	Nhe2 is predominantly crypt-localized in murine proximal colon and its lack causes an anion secretory defect in NHE2 <sup>-/-</sup> mice. <i>Gastroenterology</i> , 2003, 124, A40.	1.3	0
49	12. Clostridium difficile und andere gastrointestinale Infektionen. , 2016, , .		0
50	Parietal Cell Volume Regulation During Acid Secretion. , 2002, , 221-232.		0