

# Guy Boeckxstaens

## List of Publications by Year in descending order

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Version: 2024-02-01

121  
papers

10,794  
citations

44069

48  
h-index

31849

101  
g-index

127  
all docs

127  
docs citations

127  
times ranked

9788  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local immune response as novel disease mechanism underlying abdominal pain in patients with irritable bowel syndrome. <i>Acta Clinica Belgica</i> , 2022, 77, 889-896.	1.2	4
2	Muscularis macrophages: trained guardians of enteric neurons. <i>Cell Research</i> , 2022, 32, 229-230.	12.0	6
3	Immune activation in irritable bowel syndrome: what is the evidence?. <i>Nature Reviews Immunology</i> , 2022, 22, 674-686.	22.7	29
4	Inhibition of Serine Proteases as a Novel Therapeutic Strategy for Abdominal Pain in IBS. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	3
5	Pneumatic balloon dilatation versus laparoscopic Heller myotomy for achalasia: a failed attempt at meta-analysis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 602-611.	2.4	12
6	Effect of resolvins on sensitisation of TRPV1 and visceral hypersensitivity in IBS. <i>Gut</i> , 2021, 70, 1275-1286.	12.1	44
7	Local immune response to food antigens drives meal-induced abdominal pain. <i>Nature</i> , 2021, 590, 151-156.	27.8	153
8	Bioelectronics in the brain-gut axis: focus on inflammatory bowel disease (IBD). <i>International Immunology</i> , 2021, 33, 337-348.	4.0	7
9	Shining light on the neuro-immune axis in the gut. <i>Immunity</i> , 2021, 54, 850-852.	14.3	0
10	The alternative serotonin transporter promoter P2 impacts gene function in females with irritable bowel syndrome. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 8047-8061.	3.6	5
11	Vagus Nerve Stimulation Promotes Epithelial Proliferation and Controls Colon Monocyte Infiltration During DSS-Induced Colitis. <i>Frontiers in Medicine</i> , 2021, 8, 694268.	2.6	12
12	Niche-specific functional heterogeneity of intestinal resident macrophages. <i>Gut</i> , 2021, 70, 1383-1395.	12.1	52
13	Intestinal neuro-immune interactions: focus on macrophages, mast cells and innate lymphoid cells. <i>Current Opinion in Neurobiology</i> , 2020, 62, 68-75.	4.2	36
14	Comparison between the cervical and abdominal vagus nerves in mice, pigs, and humans. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13889.	3.0	44
15	Intestinal resident macrophages: Multitaskers of the gut. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13843.	3.0	53
16	Ephrin-B2 signaling in the spinal cord as a player in post-inflammatory and stress-induced visceral hypersensitivity. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13782.	3.0	14
17	Intestinal macrophages and their interaction with the enteric nervous system in health and inflammatory bowel disease. <i>Acta Physiologica</i> , 2019, 225, e13163.	3.8	47
18	British Society of Gastroenterology guidelines for oesophageal manometry and oesophageal reflux monitoring. <i>Gut</i> , 2019, 68, 1731-1750.	12.1	52

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19	24-hour multi-pH recording of the postprandial acid pocket and the nocturnal acid distribution at the esophagogastric junction in healthy volunteers. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13694.	3.0	5
20	Non-classical tissue monocytes and two functionally distinct populations of interstitial macrophages populate the mouse lung. <i>Nature Communications</i> , 2019, 10, 3964.	12.8	206
21	Prospective study evaluating immune-mediated mechanisms and predisposing factors underlying persistent postinfectious abdominal complaints. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13542.	3.0	3
22	Comparison of the metabolomic profiles of irritable bowel syndrome patients with ulcerative colitis patients and healthy controls: new insights into pathophysiology and potential biomarkers. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 723-732.	3.7	37
23	Vagus nerve stimulation dampens intestinal inflammation in a murine model of experimental food allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1748-1759.	5.7	29
24	Expression of immune-related genes in rectum and colon <i>descendens</i> of Irritable Bowel Syndrome patients is unrelated to clinical symptoms. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13579.	3.0	16
25	Editorial: metabolomic biomarkers for colorectal adenocarcinoma and in the differentiation between irritable bowel syndrome and ulcerative colitis in clinical remission – confounded by the gut microbiome? Authors' reply. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 1088-1089.	3.7	0
26	Preoperative administration of the 5-HT <sub>4</sub> receptor agonist prucalopride reduces intestinal inflammation and shortens postoperative ileus via cholinergic enteric neurons. <i>Gut</i> , 2019, 68, 1406-1416.	12.1	69
27	Muscularis macrophages: Key players in intestinal homeostasis and disease. <i>Cellular Immunology</i> , 2018, 330, 142-150.	3.0	72
28	Neuroimmune interaction and the regulation of intestinal immune homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, G75-G80.	3.4	30
29	A18 DIETARY ANTIGEN RE-CHALLENGE INCREASES NOCICEPTIVE NEURON EXCITABILITY IN A POST-INFECTIOUS IBS MODEL. <i>Journal of the Canadian Association of Gastroenterology</i> , 2018, 1, 29-30.	0.3	0
30	Genetic Architecture of Adaptive Immune System Identifies Key Immune Regulators. <i>Cell Reports</i> , 2018, 25, 798-810.e6.	6.4	36
31	Self-Maintaining Gut Macrophages Are Essential for Intestinal Homeostasis. <i>Cell</i> , 2018, 175, 400-415.e13.	28.9	371
32	1092 - Food Antigen-Specific Sensitization of Nociceptive Nerves as an Underlying Mechanism of Visceral Pain in IBS. <i>Gastroenterology</i> , 2018, 154, S-214-S-215.	1.3	1
33	Functional characterization of oxazolone-induced colitis and survival improvement by vagus nerve stimulation. <i>PLoS ONE</i> , 2018, 13, e0197487.	2.5	42
34	Screening for Dysplasia With Lugol Chromoendoscopy in Longstanding Idiopathic Achalasia. <i>American Journal of Gastroenterology</i> , 2018, 113, 855-862.	0.4	12
35	Protease signaling through protease activated receptor 1 mediate nerve activation by mucosal supernatants from irritable bowel syndrome but not from ulcerative colitis patients. <i>PLoS ONE</i> , 2018, 13, e0193943.	2.5	32
36	The Emerging Role of Mast Cells in Irritable Bowel Syndrome. <i>Gastroenterology and Hepatology</i> , 2018, 14, 250-252.	0.1	8

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37	Efficacy of psychotropic drugs in functional dyspepsia: systematic review and meta-analysis. <i>Gut</i> , 2017, 66, 411-420.	12.1	137
38	Dietary and pharmacological treatment of abdominal pain in IBS. <i>Gut</i> , 2017, 66, 966-974.	12.1	115
39	Functional Lumen Imaging Probe for the Management of Esophageal Disorders: Expert Review From the Clinical Practice Updates Committee of the AGA Institute. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 325-334.	4.4	177
40	Transient receptor potential ion channel function in sensory transduction and cellular signaling cascades underlying visceral hypersensitivity. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G635-G648.	3.4	62
41	Preoperative risk factors for prolonged postoperative ileus after colorectal resection. <i>International Journal of Colorectal Disease</i> , 2017, 32, 883-890.	2.2	30
42	CCR2-dependent monocyte-derived macrophages resolve inflammation and restore gut motility in postoperative ileus. <i>Gut</i> , 2017, 66, 2098-2109.	12.1	78
43	Reply. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 1314-1315.	4.4	0
44	Economic evaluation of the randomized European Achalasia trial comparing pneumodilation with Laparoscopic Heller myotomy. <i>Neurogastroenterology and Motility</i> , 2017, 29, e13115.	3.0	10
45	The Vagus Nerve in Appetite Regulation, Mood, and Intestinal Inflammation. <i>Gastroenterology</i> , 2017, 152, 730-744.	1.3	221
46	miR-16 and miR-103 impact 5-HT <sub>4</sub> receptor signalling and correlate with symptom profile in irritable bowel syndrome. <i>Scientific Reports</i> , 2017, 7, 14680.	3.3	46
47	Food Antigen-Specific Antibodies and Mast Cell Activation in Post-Infectious Visceral Hypersensitivity. <i>Gastroenterology</i> , 2017, 152, S721.	1.3	1
48	Breath Testing Consensus Guidelines for SIBO: RES IPSA LOCQUITUR. <i>American Journal of Gastroenterology</i> , 2017, 112, 1888-1889.	0.4	7
49	Will Reflux Kill POEM?. <i>Endoscopy</i> , 2017, 49, 625-628.	1.8	39
50	Revisiting Epidemiologic Features of Achalasia. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 374-375.	4.4	10
51	Vagotomy Affects the Development of Oral Tolerance and Increases Susceptibility to Develop Colitis Independently of $\alpha$ -7 Nicotinic Receptor. <i>Molecular Medicine</i> , 2016, 22, 464-476.	4.4	41
52	Fundamentals of Neurogastroenterology: Physiology/Motility "Sensation. <i>Gastroenterology</i> , 2016, 150, 1292-1304.e2.	1.3	103
53	Finding the Right Treatment for Achalasia Treatment: Risks, Efficacy, Complications. <i>Current Treatment Options in Gastroenterology</i> , 2016, 14, 420-428.	0.8	13
54	Vagal innervation is required for the formation of tertiary lymphoid tissue in colitis. <i>European Journal of Immunology</i> , 2016, 46, 2467-2480.	2.9	31

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55	Achalasia: From Bench to Peroral Endoscopic Myotomy. <i>Digestive Diseases</i> , 2016, 34, 476-482.	1.9	5
56	Long-term results of the European achalasia trial: a multicentre randomised controlled trial comparing pneumatic dilation versus laparoscopic Heller myotomy. <i>Gut</i> , 2016, 65, 732-739.	12.1	321
57	Incidence of prolonged postoperative ileus after colorectal surgery: a systematic review and meta-analysis. <i>Colorectal Disease</i> , 2016, 18, O1-9.	1.4	131
58	The cellular composition of the human immune system is shaped by age and cohabitation. <i>Nature Immunology</i> , 2016, 17, 461-468.	14.5	258
59	Histamine Receptor H1-Mediated Sensitization of TRPV1 Mediates Visceral Hypersensitivity and Symptoms in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2016, 150, 875-887.e9.	1.3	263
60	Psychological comorbidity increases the risk for postinfectious IBS partly by enhanced susceptibility to develop infectious gastroenteritis. <i>Gut</i> , 2016, 65, 1279-1288.	12.1	71
61	No association between the common calcium-sensing receptor polymorphism rs1801725 and irritable bowel syndrome. <i>BMC Medical Genetics</i> , 2015, 16, 110.	2.1	3
62	The Neuromodulation of the Intestinal Immune System and Its Relevance in Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , 2015, 6, 590.	4.8	59
63	Neuron-macrophage crosstalk in the intestine: a microglia-perspective. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 403.	3.7	37
64	Dietary Marine n-3 PUFAs Do Not Affect Stress-Induced Visceral Hypersensitivity in a Rat Maternal Separation Model. <i>Journal of Nutrition</i> , 2015, 145, 915-922.	2.9	11
65	Splenic autonomic denervation increases inflammatory status but does not aggravate atherosclerotic lesion development. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H646-H654.	3.2	32
66	Mast cells and inflammatory bowel disease. <i>Current Opinion in Pharmacology</i> , 2015, 25, 45-49.	3.5	65
67	Republished: Symptomatic reflux disease: the present, the past and the future. <i>Postgraduate Medical Journal</i> , 2015, 91, 46-54.	1.8	13
68	245 Evidence for a New Mechanism Underlying Persistent Visceral Hypersensitivity and Increased Permeability in a Model of Post-Infectious IBS. <i>Gastroenterology</i> , 2015, 148, S-55.	1.3	4
69	A meta-analysis of immunogenetic Case-Control Association Studies in irritable bowel syndrome. <i>Neurogastroenterology and Motility</i> , 2015, 27, 717-727.	3.0	35
70	Mast Cells Play No Role in the Pathogenesis of Postoperative Ileus Induced by Intestinal Manipulation. <i>PLoS ONE</i> , 2014, 9, e85304.	2.5	28
71	The Spleen Responds to Intestinal Manipulation but Does Not Participate in the Inflammatory Response in a Mouse Model of Postoperative Ileus. <i>PLoS ONE</i> , 2014, 9, e102211.	2.5	6
72	Genetic variants in <i>CDC42</i> and <i>NXPH1</i> as susceptibility factors for constipation and diarrhoea predominant irritable bowel syndrome. <i>Gut</i> , 2014, 63, 1103-1111.	12.1	49

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73	Symptomatic reflux disease: the present, the past and the future. <i>Gut</i> , 2014, 63, 1185-1193.	12.1	226
74	Neuronal activation by mucosal biopsy supernatants from irritable bowel syndrome patients is linked to visceral sensitivity. <i>Experimental Physiology</i> , 2014, 99, 1299-1311.	2.0	36
75	Current Diagnosis and Management of Achalasia. <i>Journal of Clinical Gastroenterology</i> , 2014, 48, 484-490.	2.2	56
76	Irritable bowel syndrome: focus on otilonium bromide. <i>Expert Review of Gastroenterology and Hepatology</i> , 2014, 8, 131-137.	3.0	10
77	A distinct vagal anti-inflammatory pathway modulates intestinal muscularis resident macrophages independent of the spleen. <i>Gut</i> , 2014, 63, 938-948.	12.1	332
78	Achalasia. <i>Lancet, The</i> , 2014, 383, 83-93.	13.7	470
79	Pathophysiology of Gastroesophageal Reflux Disease. <i>Gastroenterology Clinics of North America</i> , 2014, 43, 15-25.	2.2	32
80	Psychological stress and corticotropin-releasing hormone increase intestinal permeability in humans by a mast cell-dependent mechanism. <i>Gut</i> , 2014, 63, 1293-1299.	12.1	429
81	Sensitivity Testing in Irritable Bowel Syndrome With Rectal Capsaicin Stimulations: Role of TRPV1 Upregulation and Sensitization in Visceral Hypersensitivity?. <i>American Journal of Gastroenterology</i> , 2014, 109, 99-109.	0.4	81
82	Response to Drs Trang and Graham. <i>American Journal of Gastroenterology</i> , 2014, 109, 137.	0.4	0
83	Common variants in the HLA-DQ region confer susceptibility to idiopathic achalasia. <i>Nature Genetics</i> , 2014, 46, 901-904.	21.4	104
84	Measuring Mechanical Properties of the Esophageal Wall Using Impedance Planimetry. <i>Gastrointestinal Endoscopy Clinics of North America</i> , 2014, 24, 607-618.	1.4	10
85	Proton Pump Inhibitors Reduce the Size and Acidity of the Acid Pocket in the Stomach. <i>Clinical Gastroenterology and Hepatology</i> , 2014, 12, 1101-1107.e1.	4.4	35
86	Neuro-Anatomical Evidence Indicating Indirect Modulation of Macrophages by Vagal Efferents in the Intestine but Not in the Spleen. <i>PLoS ONE</i> , 2014, 9, e87785.	2.5	95
87	The Spectrum of Achalasia: Lessons From Studies of Pathophysiology and High-Resolution Manometry. <i>Gastroenterology</i> , 2013, 145, 954-965.	1.3	180
88	Outcomes of Treatment for Achalasia Depend on Manometric Subtype. <i>Gastroenterology</i> , 2013, 144, 718-725.	1.3	387
89	The clinical importance of the anti-inflammatory vagovagal reflex. <i>Handbook of Clinical Neurology</i> / Edited By PJ Vinken and G W Bruyn, 2013, 117, 119-134.	1.8	27
90	IBS and the role of otilonium bromide. <i>International Journal of Colorectal Disease</i> , 2013, 28, 295-304.	2.2	22

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91	Management of Achalasia. <i>Gastroenterology Clinics of North America</i> , 2013, 42, 45-55.	2.2	23
92	Nicotine Attenuates Activation of Tissue Resident Macrophages in the Mouse Stomach through the $\alpha 2$ Nicotinic Acetylcholine Receptor. <i>PLoS ONE</i> , 2013, 8, e79264.	2.5	35
93	Stress-Induced Visceral Hypersensitivity in Maternally Separated Rats Can Be Reversed by Peripherally Restricted Histamine-1-Receptor Antagonists. <i>PLoS ONE</i> , 2013, 8, e66884.	2.5	37
94	Conservative Management of Esophageal Perforations During Pneumatic Dilatation for Idiopathic Esophageal Achalasia. <i>Clinical Gastroenterology and Hepatology</i> , 2012, 10, 142-149.	4.4	69
95	Relevance of mast cell-nerve interactions in intestinal nociception. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 74-84.	3.8	77
96	Efficacy of Treatment for Patients With Achalasia Depends on the Distensibility of the Esophagogastric Junction. <i>Gastroenterology</i> , 2012, 143, 328-335.	1.3	256
97	New therapeutic strategies for postoperative ileus. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2012, 9, 675-683.	17.8	84
98	Mucosal Immune Cell Numbers and Visceral Sensitivity in Patients With Irritable Bowel Syndrome: Is There Any Relationship?. <i>American Journal of Gastroenterology</i> , 2012, 107, 715-726.	0.4	77
99	Achalasia and esophago-gastric junction outflow obstruction: focus on the subtypes. <i>Neurogastroenterology and Motility</i> , 2012, 24, 27-31.	3.0	30
100	Pneumatic Dilatation versus Laparoscopic Heller's Myotomy for Idiopathic Achalasia. <i>New England Journal of Medicine</i> , 2011, 364, 1807-1816.	27.0	780
101	Faster Recovery of Gastrointestinal Transit After Laparoscopy and Fast-Track Care in Patients Undergoing Colonic Surgery. <i>Gastroenterology</i> , 2011, 141, 872-880.e4.	1.3	117
102	Translational gastrointestinal pharmacology in the 21st century: the lesogaberan story™. <i>Current Opinion in Pharmacology</i> , 2011, 11, 630-633.	3.5	20
103	Management of achalasia: surgery or pneumatic dilatation. <i>Gut</i> , 2011, 60, 869-876.	12.1	125
104	A novel reflux inhibitor lesogaberan (AZD3355) as add-on treatment in patients with GORD with persistent reflux symptoms despite proton pump inhibitor therapy: a randomised placebo-controlled trial. <i>Gut</i> , 2011, 60, 1182-1188.	12.1	70
105	Alterations confined to the gastro-oesophageal junction: the relationship between low LOSP, TLOSRS, hiatus hernia and acid pocket. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2010, 24, 821-829.	2.4	27
106	Selective $\alpha 7$ nicotinic acetylcholine receptor agonists worsen disease in experimental colitis. <i>British Journal of Pharmacology</i> , 2010, 160, 322-333.	5.4	74
107	The position of the acid pocket as a major risk factor for acidic reflux in healthy subjects and patients with GORD. <i>Gut</i> , 2010, 59, 441-451.	12.1	166
108	Effects of Lesogaberan on Reflux and Lower Esophageal Sphincter Function in Patients With Gastroesophageal Reflux Disease. <i>Gastroenterology</i> , 2010, 139, 409-417.	1.3	100

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109	The mast cell stabiliser ketotifen decreases visceral hypersensitivity and improves intestinal symptoms in patients with irritable bowel syndrome. <i>Gut</i> , 2010, 59, 1213-1221.	12.1	328
110	Vagus Nerve Activity Augments Intestinal Macrophage Phagocytosis via Nicotinic Acetylcholine Receptor $\alpha 7$ . <i>Gastroenterology</i> , 2009, 137, 1029-1039.e4.	1.3	119
111	Reflux inhibitors: a new approach for GERD?. <i>Current Opinion in Pharmacology</i> , 2008, 8, 685-689.	3.5	22
112	Pharmacological treatment of functional bowel disorders: any light at the end of the tunnel?. <i>Current Opinion in Pharmacology</i> , 2008, 8, 669-670.	3.5	0
113	Achalasia: Virus-Induced Euthanasia of Neurons. <i>American Journal of Gastroenterology</i> , 2008, 103, 1610-1612.	0.4	99
114	Activation of the Cholinergic Anti-Inflammatory Pathway Ameliorates Postoperative Ileus in Mice. <i>Gastroenterology</i> , 2007, 133, 1219-1228.	1.3	202
115	Achalasia: From New Insights in Pathophysiology to Treatment. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2005, 41, S36-S37.	1.8	24
116	Stimulation of the vagus nerve attenuates macrophage activation by activating the Jak2-STAT3 signaling pathway. <i>Nature Immunology</i> , 2005, 6, 844-851.	14.5	1,009
117	Abnormal distribution of the interstitial cells of Cajal in an adult patient with pseudo-obstruction and megaduodenum. <i>American Journal of Gastroenterology</i> , 2002, 97, 2120-2126.	0.4	43
118	Role of VIP1/PACAP receptors in postoperative ileus in rats. <i>British Journal of Pharmacology</i> , 1998, 124, 1181-1186.	5.4	48
119	Effect of adrenergic and nitrenergic blockade on experimental ileus in rats. <i>British Journal of Pharmacology</i> , 1997, 120, 464-468.	5.4	128
120	Pathophysiology, diagnosis, and treatment of gastroesophageal reflux disease. <i>Current Opinion in Gastroenterology</i> , 1996, 12, 365-372.	2.3	4
121	Nitric Oxide Release in Response to Stimulation of Nonadrenergic, Noncholinergic Nerves. <i>Journal of Cardiovascular Pharmacology</i> , 1991, 17, S238-S242.	1.9	5