

Lukas Van Oudenhove

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.

82

papers

3,321

citations

26

h-index

57

g-index

125

ext. papers

4,499

ext. citations

6.8

avg, IF

5.89

L-index

#	Paper	IF	Citations
82	The role of short-chain fatty acids in microbiota-gut-brain communication. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019 , 16, 461-478	24.2	637
81	Biopsychosocial Aspects of Functional Gastrointestinal Disorders. <i>Gastroenterology</i> , 2016 ,	13.3	215
80	Efficacy of buspirone, a fundus-relaxing drug, in patients with functional dyspepsia. <i>Clinical Gastroenterology and Hepatology</i> , 2012 , 10, 1239-45	6.9	186
79	The relation between symptom improvement and gastric emptying in the treatment of diabetic and idiopathic gastroparesis. <i>American Journal of Gastroenterology</i> , 2013 , 108, 1382-91	0.7	166
78	Neuromodulators for Functional Gastrointestinal Disorders (Disorders of Gut-Brain Interaction): A Rome Foundation Working Team Report. <i>Gastroenterology</i> , 2018 , 154, 1140-1171.e1	13.3	155
77	The role of psychosocial factors and psychiatric disorders in functional dyspepsia. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2013 , 10, 158-67	24.2	120
76	Colonic transit time and IBS symptoms: what's the link?. <i>American Journal of Gastroenterology</i> , 2012 , 107, 754-60	0.7	116
75	Visceral hypersensitivity is associated with GI symptom severity in functional GI disorders: consistent findings from five different patient cohorts. <i>Gut</i> , 2018 , 67, 255-262	19.2	115
74	Generalizable representations of pain, cognitive control, and negative emotion in medial frontal cortex. <i>Nature Neuroscience</i> , 2018 , 21, 283-289	25.5	114
73	Efficacy of Mirtazapine in Patients With Functional Dyspepsia and Weight Loss. <i>Clinical Gastroenterology and Hepatology</i> , 2016 , 14, 385-392.e4	6.9	98
72	Abnormal regional brain activity during rest and (anticipated) gastric distension in functional dyspepsia and the role of anxiety: a H(2)(15)O-PET study. <i>American Journal of Gastroenterology</i> , 2010 , 105, 913-24	0.7	93
71	O3.4. DOES CANNABIS INDUCE PSYCHOSIS BY ALTERING GLUTAMATE SIGNALING IN THE STRIATUM?. <i>Schizophrenia Bulletin</i> , 2019 , 45, S166-S167	1.3	78
70	Associative fear learning and perceptual discrimination: a perceptual pathway in the development of chronic pain. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 51, 118-25	9	74
69	Regional brain activity in functional dyspepsia: a H(2)(15)O-PET study on the role of gastric sensitivity and abuse history. <i>Gastroenterology</i> , 2010 , 139, 36-47	13.3	70
68	Mood and Anxiety Disorders Precede Development of Functional Gastrointestinal Disorders in Patients but Not in the Population. <i>Clinical Gastroenterology and Hepatology</i> , 2017 , 15, 1014-1020.e4	6.9	69
67	Fatty acid-induced gut-brain signaling attenuates neural and behavioral effects of sad emotion in humans. <i>Journal of Clinical Investigation</i> , 2011 , 121, 3094-9	15.9	61
66	Depression and Somatization Are Associated With Increased Postprandial Symptoms in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2016 , 150, 866-74	13.3	56

65	Review article: treatment options for functional dyspepsia. <i>Alimentary Pharmacology and Therapeutics</i> , 2019 , 49, 1134-1172	6.1	51
64	Role of brain imaging in disorders of brain-gut interaction: a Rome Working Team Report. <i>Gut</i> , 2019 , 68, 1701-1715	19.2	50
63	Cumulative Effects of Psychologic Distress, Visceral Hypersensitivity, and Abnormal Transit on Patient-reported Outcomes in Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2019 , 157, 391-402.e2	13.3	50
62	Psychological comorbidity increases the risk for postinfectious IBS partly by enhanced susceptibility to develop infectious gastroenteritis. <i>Gut</i> , 2016 , 65, 1279-88	19.2	48
61	Intragastric infusion of denatonium benzoate attenuates interdigestive gastric motility and hunger scores in healthy female volunteers. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 580-588	7	41
60	Colon-delivered short-chain fatty acids attenuate the cortisol response to psychosocial stress in healthy men: a randomized, placebo-controlled trial. <i>Neuropsychopharmacology</i> , 2020 , 45, 2257-2266	8.7	38
59	Uncertainty in anticipation of uncomfortable rectal distension is modulated by the autonomic nervous system—a fMRI study in healthy volunteers. <i>NeuroImage</i> , 2015 , 107, 10-22	7.9	37
58	Interaction between preprandial and postprandial rectal sensory and motor abnormalities in IBS. <i>Gut</i> , 2014 , 63, 1441-9	19.2	34
57	Acute Anxiety and Anxiety Disorders Are Associated With Impaired Gastric Accommodation in Patients With Functional Dyspepsia. <i>Clinical Gastroenterology and Hepatology</i> , 2015 , 13, 1584-91.e3	6.9	30
56	Symptom pattern following a meal challenge test in patients with irritable bowel syndrome and healthy controls. <i>United European Gastroenterology Journal</i> , 2013 , 1, 358-67	5.3	25
55	The gut-brain axis in health neuroscience: implications for functional gastrointestinal disorders and appetite regulation. <i>Annals of the New York Academy of Sciences</i> , 2018 , 1428, 129-150	6.5	25
54	Effects of caloric and noncaloric sweeteners on antroduodenal motility, gastrointestinal hormone secretion and appetite-related sensations in healthy subjects. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 707-716	7	22
53	The relevance of the philosophical mind-body problem for the status of psychosomatic medicine: a conceptual analysis of the biopsychosocial model. <i>Medicine, Health Care and Philosophy</i> , 2014 , 17, 201-13 ²		22
52	Intragastric quinine administration decreases hedonic eating in healthy women through peptide-mediated gut-brain signaling mechanisms. <i>Nutritional Neuroscience</i> , 2019 , 22, 850-862	3.6	22
51	Antibiotics and mania: A systematic review. <i>Journal of Affective Disorders</i> , 2017 , 219, 149-156	6.6	21
50	Differential Activation in Amygdala and Plasma Noradrenaline during Colorectal Distention by Administration of Corticotropin-Releasing Hormone between Healthy Individuals and Patients with Irritable Bowel Syndrome. <i>PLoS ONE</i> , 2016 , 11, e0157347	3.7	20
49	1077 A Controlled Cross-Over Trial Shows Benefit of Prucalopride for Symptom Control and Gastric Emptying Enhancement in Idiopathic Gastroparesis. <i>Gastroenterology</i> , 2016 , 150, S213-S214	13.3	20
48	Coping Skills Are Associated With Gastrointestinal Symptom Severity and Somatization in Patients With Irritable Bowel Syndrome. <i>Clinical Gastroenterology and Hepatology</i> , 2017 , 15, 1565-1571.e3	6.9	19

47	No persistent attenuation of fear memories in humans: A registered replication of the reactivation-extinction effect. <i>Cortex</i> , 2020 , 129, 496-509	3.8	19
46	Learned Fear of Gastrointestinal Sensations in Healthy Adults. <i>Clinical Gastroenterology and Hepatology</i> , 2016 , 14, 1552-1558.e2	6.9	19
45	Is the antidepressant venlafaxine effective for the treatment of functional dyspepsia?. <i>Nature Reviews Gastroenterology & Hepatology</i> , 2009 , 6, 74-5		16
44	Common and distinct neural representations of aversive somatic and visceral stimulation in healthy individuals. <i>Nature Communications</i> , 2020 , 11, 5939	17.4	15
43	Biased Intensity Judgements of Visceral Sensations After Learning to Fear Visceral Stimuli: A Drift Diffusion Approach. <i>Journal of Pain</i> , 2017 , 18, 1197-1208	5.2	14
42	The motilin agonist erythromycin increases hunger by modulating homeostatic and hedonic brain circuits in healthy women: a randomized, placebo-controlled study. <i>Scientific Reports</i> , 2018 , 8, 1819	4.9	14
41	The philosophical "mind-body problem" and its relevance for the relationship between psychiatry and the neurosciences. <i>Perspectives in Biology and Medicine</i> , 2010 , 53, 545-57	1.5	14
40	The effect of intravenous corticotropin-releasing hormone administration on esophageal sensitivity and motility in health. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, G526-G534	5.1	13
39	Preventing the return of fear in humans using reconsolidation update mechanisms: A verification report of Schiller et al. (2010). <i>Cortex</i> , 2020 , 129, 510-525	3.8	13
38	Relations between food intake, psychological distress, and gastrointestinal symptoms: A diary study. <i>United European Gastroenterology Journal</i> , 2019 , 7, 965-973	5.3	12
37	Differential brain responses to gradual intragastric nutrient infusion and gastric balloon distension: A role for gut peptides?. <i>NeuroImage</i> , 2017 , 144, 101-112	7.9	12
36	Factor Analysis Defines Distinct Upper and Lower Gastrointestinal Symptom Groups Compatible With Rome IV Criteria in a Population-based Study. <i>Clinical Gastroenterology and Hepatology</i> , 2018 , 16, 1252-1259.e5	6.9	11
35	Nutritional intervention in chronic pain: an innovative way of targeting central nervous system sensitization?. <i>Expert Opinion on Therapeutic Targets</i> , 2020 , 24, 793-803	6.4	10
34	Can Slow Deep Breathing Reduce Pain? An Experimental Study Exploring Mechanisms. <i>Journal of Pain</i> , 2020 , 21, 1018-1030	5.2	10
33	Perception of induced dyspnea in fibromyalgia and chronic fatigue syndrome. <i>Journal of Psychosomatic Research</i> , 2018 , 106, 49-55	4.1	10
32	Brain responses to vestibular pain and its anticipation in women with Genito-Pelvic Pain/Penetration Disorder. <i>NeuroImage: Clinical</i> , 2017 , 16, 477-490	5.3	10
31	Differentiating progress in a clinical group of fibromyalgia patients during and following a multicomponent treatment program. <i>Journal of Psychosomatic Research</i> , 2017 , 98, 47-54	4.1	9
30	Descriptive Psychopathology of the Acute Effects of Intravenous Delta-9-Tetrahydrocannabinol Administration in Humans. <i>Brain Sciences</i> , 2019 , 9,	3.4	9

29	Startle responding in the context of visceral pain. <i>International Journal of Psychophysiology</i> , 2015 , 98, 128-34	2.9	8
28	Endogenous Pain Modulation: Association with Resting Heart Rate Variability and Negative Affectivity. <i>Pain Medicine</i> , 2018 , 19, 1587-1596	2.8	8
27	Influence of inspiratory threshold load on cardiovascular responses to controlled breathing at 0.1 Hz. <i>Psychophysiology</i> , 2019 , 56, e13447	4.1	7
26	Respiratory Hypoalgesia? The Effect of Slow Deep Breathing on Electrocutaneous, Thermal, and Mechanical Pain. <i>Journal of Pain</i> , 2020 , 21, 616-632	5.2	7
25	Visceral sensory and cognitive-affective neuroscience: towards integration?. <i>Gut</i> , 2010 , 59, 431-2	19.2	6
24	Psychophysiological responses to various slow, deep breathing techniques. <i>Psychophysiology</i> , 2021 , 58, e13712	4.1	5
23	Influence of subliminal intragastric fatty acid infusion on subjective and physiological responses to positive emotion induction in healthy women: A randomized trial. <i>Psychoneuroendocrinology</i> , 2019 , 108, 43-52	5	3
22	The respiratory occlusion discrimination task: A new paradigm to measure respiratory interoceptive accuracy. <i>Psychophysiology</i> , 2021 , 58, e13760	4.1	3
21	Gut-brain axis dysfunction underlies FODMAP-induced symptom generation in irritable bowel syndrome.. <i>Alimentary Pharmacology and Therapeutics</i> , 2022 ,	6.1	3
20	A novel self-report scale of interoception: the three-domain interoceptive sensations questionnaire (THISQ). <i>Psychology and Health</i> , 2021 , 1-20	2.9	2
19	Nourishing the gut microbiota: The potential of prebiotics in microbiota-gut-brain axis research. <i>Behavioral and Brain Sciences</i> , 2019 , 42,	0.9	2
18	Gastrointestinal symptoms in office workers are predicted by psychological distress and short sleep duration. <i>Journal of Psychosomatic Research</i> , 2020 , 138, 110230	4.1	2
17	Vasovagal reactions following venepuncture result in aberrant stress-induced cortisol levels. <i>Psychoneuroendocrinology</i> , 2021 , 128, 105220	5	2
16	Bifidobacterium longum 1714 Does Not Modulate Reactivity to Social Stress. <i>American Journal of Gastroenterology</i> , 2019 , 114, 1820	0.7	2
15	Controlled breathing and pain: Respiratory rate and inspiratory loading modulate cardiovascular autonomic responses, but not pain. <i>Psychophysiology</i> , 2021 , 58, e13895	4.1	1
14	Erythritol and xylitol differentially impact brain networks involved in appetite regulation in healthy volunteers. <i>Nutritional Neuroscience</i> , 2021 , 1-15	3.6	1
13	Changes in kynurenine pathway metabolites after acute psychosocial stress in healthy males: a single-arm pilot study. <i>Stress</i> , 2021 , 1-11	3	1
12	Effect of slow, deep breathing on visceral pain perception and its underlying psychophysiological mechanisms. <i>Neurogastroenterology and Motility</i> , 2021 , e14242	4	1

11	When the mind says one thing, but the HPA axis says another: Lack of coherence between subjective and neuroendocrine stress response trajectories in healthy men.. <i>Psychoneuroendocrinology</i> , 2022 , 139, 105692	5	1
10	Subliminal fatty acid-induced gut-brain signals attenuate sensitivity to exteroceptive rewards in food but not in sex or financial domains, in healthy men. <i>Physiology and Behavior</i> , 2020 , 219, 112861	3.5	0
9	Worries and concerns of inflammatory bowel disease (IBD) patients in Belgium - a validation of the Dutch rating form. <i>Scandinavian Journal of Gastroenterology</i> , 2020 , 55, 1427-1432	2.4	0
8	A randomized double-blind placebo-controlled crossover pilot study: Acute effects of the enzyme β -galactosidase on gastrointestinal symptoms in irritable bowel syndrome patients. <i>Neurogastroenterology and Motility</i> , 2021 , 33, e14094	4	0
7	The endocrine effects of bitter tastant administration in the gastrointestinal system: intragastric versus intraduodenal administration. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 321, E1-E10	6	0
6	Personal identity, somatic symptoms, and symptom-related thoughts, feelings, and behaviors: Exploring associations and mechanisms in adolescents and emerging adults. <i>Self and Identity</i> , 1-26	1.7	0
5	Intragastric fructose administration interacts with emotional state in homeostatic and hedonic brain regions. <i>Nutritional Neuroscience</i> , 2020 , 1-12	3.6	
4	Functional Gastrointestinal Disorders: The Mind-Body Dimension. <i>Frontiers of Gastrointestinal Research</i> , 2014 , 95-103		
3	Psychological treatment for irritable bowel syndrome 2013 , 131-148		
2	Brain-Gut Axis 2020 , 394-400		
1	Reply. <i>Clinical Gastroenterology and Hepatology</i> , 2019 , 17, 1002-1004	6.9	