Lukas Van Oudenhove

List of Publications by Year in Descending Order

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	Gut-brain axis dysfunction underlies FODMAP-induced symptom generation in irritable bowel syndrome.. *Alimentary Pharmacology and Therapeutics*, **2022**,	6.1	3
81	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.. *Psychoneuroendocrinology*, **2022**, 139, 105692	5	1
80	A novel self-report scale of interoception: the three-domain interoceptive sensations questionnaire (THISQ). *Psychology and Health*, **2021**, 1-20	2.9	2
79	Vasovagal reactions following venepuncture result in aberrant stress-induced cortisol levels. *Psychoneuroendocrinology*, **2021**, 128, 105220	5	2
78	Psychophysiological responses to various slow, deep breathing techniques. *Psychophysiology*, **2021**, 58, e13712	4.1	5
77	The respiratory occlusion discrimination task: A new paradigm to measure respiratory interoceptive accuracy. *Psychophysiology*, **2021**, 58, e13760	4.1	3
76	A randomized double-blind placebo-controlled crossover pilot study: Acute effects of the enzyme galactosidase on gastrointestinal symptoms in irritable bowel syndrome patients. *Neurogastroenterology and Motility*, **2021**, 33, e14094	4	0
75	The endocrine effects of bitter tastant administration in the gastrointestinal system: intragastric versus intraduodenal administration. *American Journal of Physiology - Endocrinology and Metabolism* , **2021**, 321, E1-E10	6	0
74	Controlled breathing and pain: Respiratory rate and inspiratory loading modulate cardiovascular autonomic responses, but not pain. *Psychophysiology*, **2021**, 58, e13895	4.1	1
73	Erythritol and xylitol differentially impact brain networks involved in appetite regulation in healthy volunteers. *Nutritional Neuroscience*, **2021**, 1-15	3.6	1
72	Changes in kynurenine pathway metabolites after acute psychosocial stress in healthy males: a single-arm pilot study. *Stress*, **2021**, 1-11	3	1
71	Effect of slow, deep breathing on visceral pain perception and its underlying psychophysiological mechanisms. *Neurogastroenterology and Motility*, **2021**, e14242	4	1
70	Colon-delivered short-chain fatty acids attenuate the cortisol response to psychosocial stress in healthy men: a randomized, placebo-controlled trial. *Neuropsychopharmacology*, **2020**, 45, 2257-2266	8.7	38
69	Nutritional intervention in chronic pain: an innovative way of targeting central nervous system sensitization?. *Expert Opinion on Therapeutic Targets*, **2020**, 24, 793-803	6.4	10
68	No persistent attenuation of fear memories in humans: A registered replication of the reactivation-extinction effect. *Cortex*, **2020**, 129, 496-509	3.8	19
67	Preventing the return of fear in humans using reconsolidation update mechanisms: A verification report of Schiller et al. (2010). *Cortex*, **2020**, 129, 510-525	3.8	13
66	Intragastric fructose administration interacts with emotional state in homeostatic and hedonic brain regions. *Nutritional Neuroscience*, **2020**, 1-12	3.6	

65	Subliminal fatty acid-induced gut-brain signals attenuate sensitivity to exteroceptive rewards in food but not in sex or financial domains, in healthy men. *Physiology and Behavior*, **2020**, 219, 112861	3.5	0
64	Can Slow Deep Breathing Reduce Pain? An Experimental Study Exploring Mechanisms. *Journal of Pain*, **2020**, 21, 1018-1030	5.2	10
63	Respiratory Hypoalgesia? The Effect of Slow Deep Breathing on Electrocutaneous, Thermal, and Mechanical Pain. *Journal of Pain*, **2020**, 21, 616-632	5.2	7
62	Brain Gut Axis **2020**, 394-400		
61	Common and distinct neural representations of aversive somatic and visceral stimulation in healthy individuals. *Nature Communications*, **2020**, 11, 5939	17.4	15
60	Worries and concerns of inflammatory bowel disease (IBD) patients in Belgium - a validation of the Dutch rating form. *Scandinavian Journal of Gastroenterology*, **2020**, 55, 1427-1432	2.4	0
59	Gastrointestinal symptoms in office workers are predicted by psychological distress and short sleep duration. *Journal of Psychosomatic Research*, **2020**, 138, 110230	4.1	2
58	O3.4. DOES CANNABIS INDUCE PSYCHOSIS BY ALTERING GLUTAMATE SIGNALING IN THE STRIATUM?. *Schizophrenia Bulletin*, **2019**, 45, S166-S167	1.3	78
57	Influence of subliminal intragastric fatty acid infusion on subjective and physiological responses to positive emotion induction in healthy women: A randomized trial. *Psychoneuroendocrinology*, **2019**, 108, 43-52	5	3
56	Role of brain imaging in disorders of brain-gut interaction: a Rome Working Team Report. *Gut*, **2019** , 68, 1701-1715	19.2	50
55	The role of short-chain fatty acids in microbiota-gut-brain communication. *Nature Reviews Gastroenterology and Hepatology*, **2019**, 16, 461-478	24.2	637
54	Relations between food intake, psychological distress, and gastrointestinal symptoms: A diary study. *United European Gastroenterology Journal*, **2019**, 7, 965-973	5.3	12
53	Descriptive Psychopathology of the Acute Effects of Intravenous Delta-9-Tetrahydrocannabinol Administration in Humans. *Brain Sciences*, **2019**, 9,	3.4	9
52	Review article: treatment options for functional dyspepsia. *Alimentary Pharmacology and Therapeutics*, **2019**, 49, 1134-1172	6.1	51
51	Cumulative Effects of Psychologic Distress, Visceral Hypersensitivity, and Abnormal Transit on Patient-reported Outcomes in Irritable Bowel Syndrome. *Gastroenterology*, **2019**, 157, 391-402.e2	13.3	50
50	Influence of inspiratory threshold load on cardiovascular responses to controlled breathing at 0.1 Hz. *Psychophysiology*, **2019**, 56, e13447	4.1	7
49	Nourishing the gut microbiota: The potential of prebiotics in microbiota-gut-brain axis research. *Behavioral and Brain Sciences*, **2019**, 42,	0.9	2
48	Bifidobacterium longum 1714 Does Not Modulate Reactivity to Social Stress. *American Journal of Gastroenterology*, **2019**, 114, 1820	0.7	2

47	Reply. *Clinical Gastroenterology and Hepatology*, **2019**, 17, 1002-1004	6.9	
46	Intragastric quinine administration decreases hedonic eating in healthy women through peptide-mediated gut-brain signaling mechanisms. *Nutritional Neuroscience*, **2019**, 22, 850-862	3.6	22
45	Effects of caloric and noncaloric sweeteners on antroduodenal motility, gastrointestinal hormone secretion and appetite-related sensations in healthy subjects. *American Journal of Clinical Nutrition*, **2018**, 107, 707-716	7	22
44	Perception of induced dyspnea in fibromyalgia and chronic fatigue syndrome. *Journal of Psychosomatic Research*, **2018**, 106, 49-55	4.1	10
43	The motilin agonist erythromycin increases hunger by modulating homeostatic and hedonic brain circuits in healthy women: a randomized, placebo-controlled study. *Scientific Reports*, **2018**, 8, 1819	4.9	14
42	Generalizable representations of pain, cognitive control, and negative emotion in medial frontal cortex. *Nature Neuroscience*, **2018**, 21, 283-289	25.5	114
41	Neuromodulators for Functional Gastrointestinal Disorders (Disorders of Gut-Brain Interaction): A Rome Foundation Working Team Report. *Gastroenterology*, **2018**, 154, 1140-1171.e1	13.3	155
40	Factor Analysis Defines Distinct Upper and Lower Gastrointestinal Symptom Groups Compatible With Rome IV Criteria in a Population-based Study. *Clinical Gastroenterology and Hepatology*, **2018**, 16, 1252-1259.e5	6.9	11
39	Visceral hypersensitivity is associated with GI symptom severity in functional GI disorders: consistent findings from five different patient cohorts. *Gut*, **2018**, 67, 255-262	19.2	115
38	Endogenous Pain Modulation: Association with Resting Heart Rate Variability and Negative Affectivity. *Pain Medicine*, **2018**, 19, 1587-1596	2.8	8
37	The gut-brain axis in health neuroscience: implications for functional gastrointestinal disorders and appetite regulation. *Annals of the New York Academy of Sciences*, **2018**, 1428, 129-150	6.5	25
36	Intragastric infusion of denatonium benzoate attenuates interdigestive gastric motility and hunger scores in healthy female volunteers. *American Journal of Clinical Nutrition*, **2017**, 105, 580-588	7	41
35	Mood and Anxiety Disorders Precede Development of Functional Gastrointestinal Disorders in Patients but Not in the Population. *Clinical Gastroenterology and Hepatology*, **2017**, 15, 1014-1020.e4	6.9	69
34	Antibiotics and mania: A systematic review. *Journal of Affective Disorders*, **2017**, 219, 149-156	6.6	21
33	Biased Intensity Judgements of Visceral Sensations After Learning to Fear Visceral Stimuli: A Drift Diffusion Approach. *Journal of Pain*, **2017**, 18, 1197-1208	5.2	14
32	Differentiating progress in a clinical group of fibromyalgia patients during and following a multicomponent treatment program. *Journal of Psychosomatic Research*, **2017**, 98, 47-54	4.1	9
31	The effect of intravenous corticotropin-releasing hormone administration on esophageal sensitivity and motility in health. *American Journal of Physiology - Renal Physiology*, **2017**, 312, G526-G534	5.1	13
30	Coping Skills Are Associated With Gastrointestinal Symptom Severity and Somatization in Patients With Irritable Bowel Syndrome. *Clinical Gastroenterology and Hepatology*, **2017**, 15, 1565-1571.e3	6.9	19

29	Brain responses to vestibular pain and its anticipation in women with Genito-Pelvic Pain/Penetration Disorder. *NeuroImage: Clinical*, **2017**, 16, 477-490	5.3	10
28	Differential brain responses to gradual intragastric nutrient infusion and gastric balloon distension: A role for gut peptides?. *NeuroImage*, **2017**, 144, 101-112	7.9	12
27	Psychological comorbidity increases the risk for postinfectious IBS partly by enhanced susceptibility to develop infectious gastroenteritis. *Gut*, **2016**, 65, 1279-88	19.2	48
26	Depression and Somatization Are Associated With Increased Postprandial Symptoms in Patients With Irritable Bowel Syndrome. *Gastroenterology*, **2016**, 150, 866-74	13.3	56
25	Efficacy of Mirtazapine in Patients With Functional Dyspepsia and Weight Loss. *Clinical Gastroenterology and Hepatology*, **2016**, 14, 385-392.e4	6.9	98
24	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. *PLoS ONE*, **2016**, 11, e0157347	3.7	20
23	Learned Fear of Gastrointestinal Sensations in Healthy Adults. *Clinical Gastroenterology and Hepatology*, **2016**, 14, 1552-1558.e2	6.9	19
22	1077 A Controlled Cross-Over Trial Shows Benefit of Prucalopride for Symptom Control and Gastric Emptying Enhancement in Idiopathic Gastroparesis. *Gastroenterology*, **2016**, 150, S213-S214	13.3	20
21	Biopsychosocial Aspects of Functional Gastrointestinal Disorders. *Gastroenterology*, **2016**,	13.3	215
20	Associative fear learning and perceptual discrimination: a perceptual pathway in the development of chronic pain. *Neuroscience and Biobehavioral Reviews*, **2015**, 51, 118-25	9	74
19	Startle responding in the context of visceral pain. *International Journal of Psychophysiology*, **2015**, 98, 128-34	2.9	8
18	Acute Anxiety and Anxiety Disorders Are Associated With Impaired Gastric Accommodation in Patients With Functional Dyspepsia. *Clinical Gastroenterology and Hepatology*, **2015**, 13, 1584-91.e3	6.9	30
17	Uncertainty in anticipation of uncomfortable rectal distension is modulated by the autonomic nervous system--a fMRI study in healthy volunteers. *NeuroImage*, **2015**, 107, 10-22	7.9	37
16	Functional Gastrointestinal Disorders: The Mind-Body Dimension. *Frontiers of Gastrointestinal Research*, **2014**, 95-103		
15	Interaction between preprandial and postprandial rectal sensory and motor abnormalities in IBS. *Gut*, **2014**, 63, 1441-9	19.2	34
14	The relevance of the philosophical 'mind-body problem' for the status of psychosomatic medicine: a conceptual analysis of the biopsychosocial model. *Medicine, Health Care and Philosophy*, **2014**, 17, 201-13	2	22
13	The role of psychosocial factors and psychiatric disorders in functional dyspepsia. *Nature Reviews Gastroenterology and Hepatology*, **2013**, 10, 158-67	24.2	120
12	The relation between symptom improvement and gastric emptying in the treatment of diabetic and idiopathic gastroparesis. *American Journal of Gastroenterology*, **2013**, 108, 1382-91	0.7	166

11	Symptom pattern following a meal challenge test in patients with irritable bowel syndrome and healthy controls. *United European Gastroenterology Journal*, **2013**, 1, 358-67	5.3	25
10	Psychological treatment for irritable bowel syndrome **2013**, 131-148		
9	Efficacy of buspirone, a fundus-relaxing drug, in patients with functional dyspepsia. *Clinical Gastroenterology and Hepatology*, **2012**, 10, 1239-45	6.9	186
8	Colonic transit time and IBS symptoms: what's the link?. *American Journal of Gastroenterology*, **2012**, 107, 754-60	0.7	116
7	Fatty acid-induced gut-brain signaling attenuates neural and behavioral effects of sad emotion in humans. *Journal of Clinical Investigation*, **2011**, 121, 3094-9	15.9	61
6	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. *American Journal of Gastroenterology*, **2010**, 105, 913-24	0.7	93
5	The philosophical "mind-body problem" and its relevance for the relationship between psychiatry and the neurosciences. *Perspectives in Biology and Medicine*, **2010**, 53, 545-57	1.5	14
4	Visceral sensory and cognitive-affective neuroscience: towards integration?. *Gut*, **2010**, 59, 431-2	19.2	6
3	Regional brain activity in functional dyspepsia: a H(2)(15)O-PET study on the role of gastric sensitivity and abuse history. *Gastroenterology*, **2010**, 139, 36-47	13.3	70
2	Is the antidepressant venlafaxine effective for the treatment of functional dyspepsia?. *Nature Reviews Gastroenterology & Hepatology*, **2009**, 6, 74-5		16
1	Personal identity, somatic symptoms, and symptom-related thoughts, feelings, and behaviors: Exploring associations and mechanisms in adolescents and emerging adults. *Self and Identity*,1-26	1.7	0