

Lukas Van Oudenhove

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

5,409
citations

159358

30
h-index

88477

70
g-index

125
all docs

125
docs citations

125
times ranked

5624
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of short-chain fatty acids in microbiota-gut-brain communication. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019, 16, 461-478.	8.2	1,519
2	Biopsychosocial Aspects of Functional Gastrointestinal Disorders: How Central and Environmental Processes Contribute to the Development and Expression of Functional Gastrointestinal Disorders. <i>Gastroenterology</i> , 2016, 150, 1355-1367.e2.	0.6	327
3	Neuromodulators for Functional Gastrointestinal Disorders (Disorders of Gut-Brain Interaction): A Rome Foundation Working Team Report. <i>Gastroenterology</i> , 2018, 154, 1140-1171.e1.	0.6	247
4	Efficacy of Buspirone, a Fundus-Relaxing Drug, in Patients With Functional Dyspepsia. <i>Clinical Gastroenterology and Hepatology</i> , 2012, 10, 1239-1245.	2.4	235
5	The Relation Between Symptom Improvement and Gastric Emptying in the Treatment of Diabetic and Idiopathic Gastroparesis. <i>American Journal of Gastroenterology</i> , 2013, 108, 1382-1391.	0.2	213
6	Generalizable representations of pain, cognitive control, and negative emotion in medial frontal cortex. <i>Nature Neuroscience</i> , 2018, 21, 283-289.	7.1	187
7	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.	6.1	186
8	The role of psychosocial factors and psychiatric disorders in functional dyspepsia. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2013, 10, 158-167.	8.2	157
9	Colonic Transit Time and IBS Symptoms: What's the Link?. <i>American Journal of Gastroenterology</i> , 2012, 107, 754-760.	0.2	144
10	Efficacy of Mirtazapine in Patients With Functional Dyspepsia and Weight Loss. <i>Clinical Gastroenterology and Hepatology</i> , 2016, 14, 385-392.e4.	2.4	138
11	Abnormal Regional Brain Activity During Rest and (Anticipated) Gastric Distension in Functional Dyspepsia and the Role of Anxiety: A H ₂ 15O-PET Study. <i>American Journal of Gastroenterology</i> , 2010, 105, 913-924.	0.2	114
12	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.	2.4	106
13	Role of brain imaging in disorders of brain-gut interaction: a Rome Working Team Report. <i>Gut</i> , 2019, 68, 1701-1715.	6.1	91
14	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.	2.8	91
15	Associative fear learning and perceptual discrimination: A perceptual pathway in the development of chronic pain. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 51, 118-125.	2.9	88
16	Regional Brain Activity in Functional Dyspepsia: A H ₂ 15O-PET Study on the Role of Gastric Sensitivity and Abuse History. <i>Gastroenterology</i> , 2010, 139, 36-47.	0.6	87
17	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.	0.6	81
18	Review article: treatment options for functional dyspepsia. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 1134-1172.	1.9	79

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19	Fatty acid-induced gut-brain signaling attenuates neural and behavioral effects of sad emotion in humans. <i>Journal of Clinical Investigation</i> , 2011, 121, 3094-3099.	3.9	73
20	Depression and Somatization Are Associated With Increased Postprandial Symptoms in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2016, 150, 866-874.	0.6	71
21	Psychological comorbidity increases the risk for postinfectious IBS partly by enhanced susceptibility to develop infectious gastroenteritis. <i>Gut</i> , 2016, 65, 1279-1288.	6.1	71
22	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.	2.2	51
23	Acute Anxiety and Anxiety Disorders Are Associated With Impaired Gastric Accommodation in Patients With Functional Dyspepsia. <i>Clinical Gastroenterology and Hepatology</i> , 2015, 13, 1584-1591.e3.	2.4	47
24	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.	2.1	47
25	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.	1.8	44
26	Interaction between preprandial and postprandial rectal sensory and motor abnormalities in IBS. <i>Gut</i> , 2014, 63, 1441-1449.	6.1	41
27	No persistent attenuation of fear memories in humans: A registered replication of the reactivation-extinction effect. <i>Cortex</i> , 2020, 129, 496-509.	1.1	39
28	Symptom pattern following a meal challenge test in patients with irritable bowel syndrome and healthy controls. <i>United European Gastroenterology Journal</i> , 2013, 1, 358-367.	1.6	33
29	Intragastric quinine administration decreases hedonic eating in healthy women through peptide-mediated gut-brain signaling mechanisms. <i>Nutritional Neuroscience</i> , 2019, 22, 850-862.	1.5	33
30	Common and distinct neural representations of aversive somatic and visceral stimulation in healthy individuals. <i>Nature Communications</i> , 2020, 11, 5939.	5.8	33
31	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.	1.5	33
32	Antibiotics and mania: A systematic review. <i>Journal of Affective Disorders</i> , 2017, 219, 149-156.	2.0	32
33	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.	2.2	31
34	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.	1.1	30
35	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, 201-213.	0.9	29
36	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.	2.4	27

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37	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.	1.1	24
38	Learned Fear of Gastrointestinal Sensations in Healthy Adults. <i>Clinical Gastroenterology and Hepatology</i> , 2016, 14, 1552-1558.e2.	2.4	23
39	Can Slow Deep Breathing Reduce Pain? An Experimental Study Exploring Mechanisms. <i>Journal of Pain</i> , 2020, 21, 1018-1030.	0.7	23
40	Gut-brain axis dysfunction underlies FODMAP-induced symptom generation in irritable bowel syndrome. <i>Alimentary Pharmacology and Therapeutics</i> , 2022, 55, 670-682.	1.9	23
41	Nutritional neurobiology and central nervous system sensitisation: missing link in a comprehensive treatment for chronic pain?. <i>British Journal of Anaesthesia</i> , 2019, 123, 539-543.	1.5	22
42	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.	0.6	21
43	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.	1.6	21
44	Perception of induced dyspnea in fibromyalgia and chronic fatigue syndrome. <i>Journal of Psychosomatic Research</i> , 2018, 106, 49-55.	1.2	21
45	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, 545-557.	0.3	20
46	Differential brain responses to gradual intragastric nutrient infusion and gastric balloon distension: A role for gut peptides?. <i>NeuroImage</i> , 2017, 144, 101-112.	2.1	20
47	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.	1.6	20
48	Relations between food intake, psychological distress, and gastrointestinal symptoms: A diary study. <i>United European Gastroenterology Journal</i> , 2019, 7, 965-973.	1.6	19
49	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.	2.4	18
50	Is the antidepressant venlafaxine effective for the treatment of functional dyspepsia?. <i>Nature Reviews Gastroenterology & Hepatology</i> , 2009, 6, 74-75.	1.7	17
51	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.	0.7	17
52	Endogenous Pain Modulation: Association with Resting Heart Rate Variability and Negative Affectivity. <i>Pain Medicine</i> , 2018, 19, 1587-1596.	0.9	17
53	Descriptive Psychopathology of the Acute Effects of Intravenous Delta-9-Tetrahydrocannabinol Administration in Humans. <i>Brain Sciences</i> , 2019, 9, 93.	1.1	17
54	Brain responses to vestibular pain and its anticipation in women with Genito-Pelvic Pain/Penetration Disorder. <i>NeuroImage: Clinical</i> , 2017, 16, 477-490.	1.4	15

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55	Psychophysiological responses to various slow, deep breathing techniques. <i>Psychophysiology</i> , 2021, 58, e13712.	1.2	15
56	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.	1.2	13
57	The respiratory occlusion discrimination task: A new paradigm to measure respiratory interoceptive accuracy. <i>Psychophysiology</i> , 2021, 58, e13760.	1.2	11
58	Effect of slow, deep breathing on visceral pain perception and its underlying psychophysiological mechanisms. <i>Neurogastroenterology and Motility</i> , 2022, 34, e14242.	1.6	11
59	The neurobiological reward system and binge eating: A critical systematic review of neuroimaging studies. <i>International Journal of Eating Disorders</i> , 2022, 55, 1421-1458.	2.1	11
60	Influence of inspiratory threshold load on cardiovascular responses to controlled breathing at 0.1 Hz. <i>Psychophysiology</i> , 2019, 56, e13447.	1.2	10
61	Respiratory Hypoalgesia? The Effect of Slow Deep Breathing on Electrocutaneous, Thermal, and Mechanical Pain. <i>Journal of Pain</i> , 2020, 21, 616-632.	0.7	10
62	Startle responding in the context of visceral pain. <i>International Journal of Psychophysiology</i> , 2015, 98, 128-134.	0.5	9
63	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.	1.8	9
64	A novel self-report scale of interoception: the three-domain interoceptive sensations questionnaire (THISQ). <i>Psychology and Health</i> , 2023, 38, 1234-1253.	1.2	9
65	Controlled breathing and pain: Respiratory rate and inspiratory loading modulate cardiovascular autonomic responses, but not pain. <i>Psychophysiology</i> , 2021, 58, e13895.	1.2	8
66	Visceral sensory and cognitive-affective neuroscience: towards integration?. <i>Gut</i> , 2010, 59, 431-432.	6.1	7
67	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.	1.3	6
68	Erythritol and xylitol differentially impact brain networks involved in appetite regulation in healthy volunteers. <i>Nutritional Neuroscience</i> , 2022, 25, 2344-2358.	1.5	5
69	Changes in kynurenine pathway metabolites after acute psychosocial stress in healthy males: a single-arm pilot study. <i>Stress</i> , 2021, 24, 920-930.	0.8	5
70	A randomized double-blind placebo-controlled crossover pilot study: Acute effects of the enzyme α -galactosidase on gastrointestinal symptoms in irritable bowel syndrome patients. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14094.	1.6	4
71	Vasovagal reactions following venepuncture result in aberrant stress-induced cortisol levels. <i>Psychoneuroendocrinology</i> , 2021, 128, 105220.	1.3	4
72	Review article: exclude or expose? The paradox of conceptually opposite treatments for irritable bowel syndrome. <i>Alimentary Pharmacology and Therapeutics</i> , 2022, 56, 592-605.	1.9	4

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73	Associations Between Patient Characteristics and GERD Symptoms: Are Psychosocial Factors and â€˜Somatizationâ€™ More Important Than Reflux Parameters?. <i>Gastroenterology</i> , 2011, 140, S-298-S-299.	0.6	3
74	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.	1.3	3
75	Worries and concerns of inflammatory bowel disease (IBD) patients in Belgium â€˜ a validation of the Dutch rating form. <i>Scandinavian Journal of Gastroenterology</i> , 2020, 55, 1427-1432.	0.6	3
76	Gastrointestinal symptoms in office workers are predicted by psychological distress and short sleep duration. <i>Journal of Psychosomatic Research</i> , 2020, 138, 110230.	1.2	3
77	Nourishing the gut microbiota: The potential of prebiotics in microbiota-gut-brain axis research. <i>Behavioral and Brain Sciences</i> , 2019, 42, .	0.4	3
78	T1682 Increasing Body Weight is Associated With a Higher Incidence and Proximal Extent of Reflux in Patients With GERD Both â€˜onâ€™ and â€˜offâ€™ PPI Therapy. <i>Gastroenterology</i> , 2010, 138, S-556.	0.6	2
79	Determinants of Symptom Perception During Impedance-pH Monitoring: Do Psychosocial Factors and â€˜Somatizationâ€™ Play a Role?. <i>Gastroenterology</i> , 2011, 140, S-246.	0.6	2
80	<i>Bifidobacterium longum</i> 1714 Does Not Modulate Reactivity to Social Stress. <i>American Journal of Gastroenterology</i> , 2019, 114, 1820-1820.	0.2	2
81	Inflammatory Bowel Disease-related Behaviours [IBD-Bx] Questionnaire: Development, Validation and Prospective Associations with Fatigue. <i>Journal of Crohn's and Colitis</i> , 2022, 16, 581-590.	0.6	2
82	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> , 2023, 22, 155-180.	1.0	2
83	902 The Neurophysiology of Gastric Sensation in Functional Dyspepsia: Role of Anxiety. <i>Gastroenterology</i> , 2008, 134, A-129-A-130.	0.6	1
84	S1811 The Neurophysiology of Gastric Sensation in Functional Dyspepsia: Role of Abuse History and Somatization. <i>Gastroenterology</i> , 2008, 134, A-274-A-275.	0.6	1
85	759 Determinants of Comorbid IBS and Chronic Fatigue in Functional Dyspepsia: Gastric Sensorimotor Function, Psychosocial Factors and Somatization?. <i>Gastroenterology</i> , 2009, 136, A-118.	0.6	1
86	W1384 Health-Related Quality of Life in Functional Dyspepsia: Role of Gastric Sensorimotor Function, Psychosocial Factors and â€˜Somatizationâ€™. <i>Gastroenterology</i> , 2010, 138, S-712.	0.6	1
87	Associations Between Gastric Sensorimotor Function, Depression, â€˜Somatizationâ€™ and Symptom-Based Subgroups in Functional Gastrointestinal Disorders: Are All Symptoms Equal?. <i>Gastroenterology</i> , 2011, 140, S-463.	0.6	1
88	Upper Esophageal Sphincter Compliance and â€˜Somatizationâ€™ Are Independently Associated With Symptom Levels in Globus Patients. <i>Gastroenterology</i> , 2011, 140, S-295.	0.6	1
89	789 â€˜ Fear of Pain and Serotonergic Gene Polymorphisms are Associated with Inter-Individual Variability in Positive and Negative Emotional Modulation of Visceral Pain in Health. <i>Gastroenterology</i> , 2019, 156, S-165-S-166.	0.6	1
90	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.	1.0	1

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91	S1812 The Neurophysiology of Gastric Sensation in Functional Dyspepsia: Does Gastric Sensitivity Matter?. <i>Gastroenterology</i> , 2008, 134, A-275.	0.6	0
92	T1466 The Neurophysiology of Gastric Sensation in Health: A Role for Cortical Deactivations?. <i>Gastroenterology</i> , 2008, 134, A-561.	0.6	0
93	T1440 Anxiety Induction Is Associated with Greater Acid-Induced Esophageal Pain Hypersensitivity. <i>Gastroenterology</i> , 2008, 134, A-556.	0.6	0
94	M1778 Determinants of Weight Loss in Functional Dyspepsia: A Different Role for Gastric Sensorimotor Dysfunction, Psychosocial Factors & Somatization in Hyper- and Normosensitive Patients. <i>Gastroenterology</i> , 2008, 134, A-416.	0.6	0
95	239 A Double-Blind, Randomized, Placebo-Controlled Study of Mirtazapine in Functional Dyspepsia with Weight Loss.. <i>Gastroenterology</i> , 2009, 136, A-46.	0.6	0
96	1102 Neural Correlates of Sensory & Affective Pain Dimensions in Functional Dyspepsia: A H215O-PET Study. <i>Gastroenterology</i> , 2009, 136, A-170-A-171.	0.6	0
97	M1255 the Role of Gastrointestinal Symptom-Specific Anxiety in Functional Dyspepsia. <i>Gastroenterology</i> , 2009, 136, A-383.	0.6	0
98	M1210 Subgroups in Functional Dyspepsia: A Cluster Analysis Approach Based On the Interaction of Symptom Severity, Gastric Sensitivity and Psychosocial Factors. <i>Gastroenterology</i> , 2009, 136, A-373.	0.6	0
99	M1208 Symptom-Based Subgroups in Functional Dyspepsia: A Cluster Analysis Approach. <i>Gastroenterology</i> , 2009, 136, A-373.	0.6	0
100	W1064 Bile Acids Aspiration Reduces Survival in Lung Transplant Recipients Despite Azithromycin Therapy. <i>Gastroenterology</i> , 2010, 138, S-643-S-644.	0.6	0
101	M1284 Altered Brain Network Connectivity Associated With Increased Perceptual Response to Aversive Gastric Distension and Its Expectation in Functional Dyspepsia (FD) Patients. <i>Gastroenterology</i> , 2010, 138, S-371.	0.6	0
102	247 Emotional Modulation of Fatty Acid Gut-Brain Signalling in Brainstem, Subcortical and Cortical Regions: An FMRI Study. <i>Gastroenterology</i> , 2010, 138, S-45.	0.6	0
103	A Longitudinal View of the Interaction Between Mood and Interference in Daily Living by Functional Gastrointestinal Disorders. <i>Gastroenterology</i> , 2011, 140, S-724.	0.6	0
104	How Do Gastric Sensitivity, Abuse History, Psychological Factors, Somatic Symptom Reporting and Quality of Life Interact in Functional Dyspepsia?. <i>Gastroenterology</i> , 2011, 140, S-94-S-95.	0.6	0
105	The Use of Pictograms Improves the Understanding of Symptoms by Patients With Functional Dyspepsia. <i>Gastroenterology</i> , 2011, 140, S-188.	0.6	0
106	Involvement of Endogenous Opioids in Anticipation of Visceral Pain: A [11c]Carfentanil PET Study. <i>Gastroenterology</i> , 2011, 140, S-366.	0.6	0
107	Associations Between Patient Characteristics and Symptom Response to a Meal in Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2011, 140, S-526-S-527.	0.6	0
108	Mood Disturbance and Irritable Bowel Syndrome (IBS): The Role of Behavioural Factors. <i>Gastroenterology</i> , 2011, 140, S-610.	0.6	0

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109	Functional Gastrointestinal Disorders: The Mind-Body Dimension. <i>Frontiers of Gastrointestinal Research</i> , 2014, , 95-103.	0.1	0
110	Tu1806 Additive Effect of Pathophysiological Factors on Patient Reported Outcomes in IBS. <i>Gastroenterology</i> , 2016, 150, S953.	0.6	0
111	244 Additive Effect of Pathophysiological Mechanisms in Determining Symptom Severity in Functional Dyspepsia. <i>Gastroenterology</i> , 2016, 150, S58-S59.	0.6	0
112	Sa1722 Validation of the Leuven Postprandial Distress Scale (LPDS), a Patient Reported Outcome Questionnaire for Symptom Assessment in Patients Suffering From Functional Dyspepsia / Postprandial Distress Syndrome. <i>Gastroenterology</i> , 2016, 150, S357.	0.6	0
113	Psychological Symptoms Predict Changes in Gastrointestinal Symptoms in Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2017, 152, S913.	0.6	0
114	O3.4. DOES CANNABIS INDUCE PSYCHOSIS BY ALTERING GLUTAMATE SIGNALING IN THE STRIATUM?. <i>Schizophrenia Bulletin</i> , 2019, 45, S166-S167.	2.3	0
115	Reply. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 1002-1004.	2.4	0
116	Brainâ€“Gut Axis. , 2020, , 394-400.		0
117	Intragastric fructose administration interacts with emotional state in homeostatic and hedonic brain regions. <i>Nutritional Neuroscience</i> , 2022, 25, 581-592.	1.5	0
118	Letter: gutâ€“brain axis dysfunction underlies symptom generation in irritable bowel syndromeâ€”a plea for rational interpretation of irrational doses of <sc>FODMAPs</sc> . Authors' reply. <i>Alimentary Pharmacology and Therapeutics</i> , 2022, 56, 368-369.	1.9	0