John Bienenstock

List of Publications by Year
in descending order

68 papers	11,589 citations	57719 44 h-index	91828 69 g-index
73 all docs	73 docs citations	73 times ranked	10581 citing authors

#	Article	IF	Citations
1	Lars Ã… (Nenne)ÂHansonÂ(1934â€“2022): A Retrospective. Mucosal Immunology, 2022, , .	2.7	0
2	<i>Limosilactobacillus reuteri</i> DSMâ€17938 for preventing cough in adults with mild allergic asthma: A doubleâ€blind randomized placeboâ€controlled crossâ€over study. Clinical and Experimental Allergy, 2021, 51, 1133-1143.	1.4	6
3	Membrane vesicles of Lacticaseibacillus rhamnosus JB-1 contain immunomodulatory lipoteichoic acid and are endocytosed by intestinal epithelial cells. Scientific Reports, 2021, 11, 13756.	1.6	22
4	Identification of SSRI-evoked antidepressant sensory signals by decoding vagus nerve activity. Scientific Reports, 2021, 11, 21130.	1.6	10
5	Bacterial membrane vesicles and phages in blood after consumption of<i>Lacticaseibacillus rhamnosus</i>JB-1. Gut Microbes, 2021, 13, 1993583.	4.3	15
6	Microvesicles from Lactobacillus reuteri (DSM-17938) completely reproduce modulation of gut motility by bacteria in mice. PLoS ONE, 2020, 15, e0225481.	1.1	41
7	Prenatal low-dose penicillin results in long-term sex-specific changes to murine behaviour, immune regulation, and gut microbiota. Brain, Behavior, and Immunity, 2020, 84, 154-163.	2.0	36
8	The vagus nerve is necessary for the rapid and widespread neuronal activation in the brain following oral administration of psychoactive bacteria. Neuropharmacology, 2020, 170, 108067.	2.0	31
9	Oral selective serotonin reuptake inhibitors activate vagus nerve dependent gut-brain signalling. Scientific Reports, 2019, 9, 14290.	1.6	67
10	Antibiotics and the nervous system: More than just the microbes?. Brain, Behavior, and Immunity, 2019, 77, 7-15.	2.0	46
11	The Role of Fecal Microbiota Transplantation in Neurological Diseases. , 2019, , 161-177.		1
12	The vagus nerve modulates BDNF expression and neurogenesis in the hippocampus. European Neuropsychopharmacology, 2018, 28, 307-316.	0.3	86
13	Disruptive physiology: olfaction and the microbiomeâ€“gutâ€“brain axis. Biological Reviews, 2018, 93, 390-403.	4.7	27
14	Mouse Strain Affects Behavioral and Neuroendocrine Stress Responses Following Administration of Probiotic Lactobacillus rhamnosus JB-1 or Traditional Antidepressant Fluoxetine. Frontiers in Neuroscience, 2018, 12, 294.	1.4	49
15	Oral treatment with Lactobacillus rhamnosus attenuates behavioural deficits and immune changes in chronic social stress. BMC Medicine, 2017, 15, 7.	2.3	170
16	Low-dose penicillin in early life induces long-term changes in murine gut microbiota, brain cytokines and behavior. Nature Communications, 2017, 8, 15062.	5.8	329
17	Lost in translation? The potential psychobiotic Lactobacillus rhamnosus (JB-1) fails to modulate stress or cognitive performance in healthy male subjects. Brain, Behavior, and Immunity, 2017, 61, 50-59.	2.0	254
18	Antibiotic Driven Changes in Gut Motility Suggest Direct Modulation of Enteric Nervous System. Frontiers in Neuroscience, 2017, 11, 588.	1.4	21

#	Article	IF	Citations
19	Moody microbes or fecal phrenology: what do we know about the microbiota-gut-brain axis?. BMC Medicine, 2016, 14, 58.	2.3	117
20	The Microbiomeâ€“Gutâ€“Brain Axis and the Consequences of Infection and Dysbiosis. American Journal of Gastroenterology Supplements (Print), 2016, 3, 33-40.	0.7	3
21	Magnetic resonance spectroscopy reveals oral Lactobacillus promotion of increases in brain GABA, N-acetyl aspartate and glutamate. NeuroImage, 2016, 125, 988-995.	2.1	218
22	Posttraumatic Stress Disorder: Does the Gut Microbiome Hold the Key?. Canadian Journal of Psychiatry, 2016, 61, 204-213.	0.9	75
23	Structural & functional consequences of chronic psychosocial stress on the microbiome & host. Psychoneuroendocrinology, 2016, 63, 217-227.	1.3	247
24	The TRPV1 channel in rodents is a major target for antinociceptive effect of the probiotic <i>Lactobacillus reuteri</i> DSM 17938. Journal of Physiology, 2015, 593, 3943-3957.	1.3	98
25	Microbiota and the gutâ€“brain axis. Nutrition Reviews, 2015, 73, 28-31.	2.6	191
26	Helsinki alert of biodiversity and health. Annals of Medicine, 2015, 47, 218-225.	1.5	95
27	Gut commensal microvesicles reproduce parent bacterial signals to host immune and enteric nervous systems. FASEB Journal, 2015, 29, 684-695.	0.2	139
28	Prenatal adverse life events increase the risk for atopic diseases in children, which is enhanced in the absence of a maternal atopic predisposition. Journal of Allergy and Clinical Immunology, 2014, 134, 160-169.e7.	1.5	100
29	The gutâ€brain axis rewired: adding a functional vagal nicotinic â€œsensory synapseâ€. FASEB Journal, 2014, 28, 3064-3074.	0.2	82
30	Vagal Pathways for Microbiome-Brain-Gut Axis Communication. Advances in Experimental Medicine and Biology, 2014, 817, 115-133.	0.8	382
31	Bacteroides fragilis polysaccharide A is necessary and sufficient for acute activation of intestinal sensory neurons. Nature Communications, 2013, 4, 1465.	5.8	127
32	Psychoactive bacteria<i>Lactobacillus rhamnosus</i>(JB-1) elicits rapid frequency facilitation in vagal afferents. American Journal of Physiology - Renal Physiology, 2013, 304, G211-G220.	1.6	189
33	New insights into probiotic mechanisms. Gut Microbes, 2013, 4, 94-100.	4.3	42
34	Lactobacillus rhamnosus Ingestion Promotes Innate Host Defense in an Enteric Parasitic Infection. Vaccine Journal, 2013, 20, 818-826.	3.2	28
35	Fucosylated but Not Sialylated Milk Oligosaccharides Diminish Colon Motor Contractions. PLoS ONE, 2013, 8, e76236.	1.1	60
36	On communication between gut microbes and the brain. Current Opinion in Gastroenterology, 2012, 28, 557-562.	1.0	108

#	Article	IF	Citations
37	Communication between gastrointestinal bacteria and the nervous system. Current Opinion in Pharmacology, 2012, 12, 667-672.	1.7	203
38	A Lactobacillus rhamnosus Strain Induces a Heme Oxygenase Dependent Increase in Foxp3+ Regulatory T Cells. PLoS ONE, 2012, 7, e47556.	1.1	38
39	Gender-dependent consequences of chronic olanzapine in the rat: effects on body weight, inflammatory, metabolic and microbiota parameters. Psychopharmacology, 2012, 221, 155-169.	1.5	231
40	Ingestion of <i>Lactobacillus</i> strain regulates emotional behavior and central GABA receptor expression in a mouse via the vagus nerve. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16050-16055.	3.3	2,811
41	Effects of intestinal microbiota on anxiety-like behavior. Communicative and Integrative Biology, 2011, 4, 492-494.	0.6	228
42	Probiotic Lactobacillus reuteri Alleviates the Response to Gastric Distension in Rats,. Journal of Nutrition, 2011, 141, 1813-1818.	1.3	14
43	Effects of intestinal microbiota on anxiety-like behavior. Communicative and Integrative Biology, 2011, 4, 492-4.	0.6	140
44	Luminal administration<i>ex vivo</i>of a live<i>Lactobacillus</i>species moderates mouse jejunal motility within minutes. FASEB Journal, 2010, 24, 4078-4088.	0.2	92
45	Immunomodulation by Commensal and Probiotic Bacteria. Immunological Investigations, 2010, 39, 429-448.	1.0	144
46	Neuroimmune aspects of food intake. International Dairy Journal, 2010, 20, 253-258.	1.5	19
47	Mood and gut feelings. Brain, Behavior, and Immunity, 2010, 24, 9-16.	2.0	385
48	The vagus nerve modulates CD4+ T cell activity. Brain, Behavior, and Immunity, 2010, 24, 316-323.	2.0	71
49	<i>Lactobacillus reuteri</i>â€"induced Regulatory T cells Protect against an Allergic Airway Response in Mice. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 186-193.	2.5	335
50	Loss of vagal anti-inflammatory effect: in vivo visualization and adoptive transfer. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 297, R1118-R1126.	0.9	84
51	<i>Lactobacillus reuteri</i> ingestion prevents hyperexcitability of colonic DRG neurons induced by noxious stimuli. American Journal of Physiology - Renal Physiology, 2009, 296, G868-G875.	1.6	84
52	<i>Lactobacillus reuteri</i> enhances excitability of colonic AH neurons by inhibiting calciumâ€dependent potassium channel opening. Journal of Cellular and Molecular Medicine, 2009, 13, 2261-2270.	1.6	294
53	The probiotic Bifidobacteria infantis: An assessment of potential antidepressant properties in the rat. Journal of Psychiatric Research, 2008, 43, 164-174.	1.5	760
54	Protective effects of <i>Lactobacillus reuteri</i> and <i>Bifidobacterium infantis</i> in murine models for colitis do not involve the vagus nerve. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1131-R1137.	0.9	61

#	Article	IF	Citations
55	Oral Treatment with LiveLactobacillus reuteriInhibits the Allergic Airway Response in Mice. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 561-569.	2.5	289
56	Live Lactobacillus reuteri Is Essential for the Inhibitory Effect on Tumor Necrosis Factor Alpha-Induced Interleukin-8 Expression. Infection and Immunity, 2004, 72, 5308-5314.	1.0	247
57	Probiotics in the management and prevention of atopy. Clinical Reviews in Allergy and Immunology, 2002, 22, 275-285.	2.9	10
58	Mast cells, nerves and fibrosis in the appendix: A morphological assessment. Journal of Pathology, 1990, 161, 209-219.	2.1	41
59	Neuroendocrine Regulation of mucosal Immunity. Immunological Investigations, 1989, 18, 69-76.	1.0	26
60	Nerves and Neuropeptides in the Regulation of Mucosal Immunity. Advances in Experimental Medicine and Biology, 1989, 257, 19-26.	0.8	12
61	The Role of Mast Cells in Inflammatory Processes: Evidence for Nerve/Mast Cell Interactions. International Archives of Allergy and Immunology, 1987, 82, 238-243.	0.9	174
62	Neuropeptide Regulation of Mucosal Immunity. Immunological Reviews, 1987, 100, 333-359.	2.8	175
63	Murine intestinal intraepithelial lymphocytes. I. Relationship of a novel Thy-1â^', Lyt-1â^', Lyt-2+, granulated subpopulation to natural killer cells and mast cells. European Journal of Immunology, 1985, 15, 211-215.	1.6	100
64	Murine intestinal intraepithelial lymphocytes. II. Comparison of freshly isolated and cultured intraepithelial lymphocytes. European Journal of Immunology, 1985, 15, 216-221.	1.6	35
65	Gut- and bronchus-associated lymphoid tissue. American Journal of Anatomy, 1984, 170, 437-445.	0.9	126
66	THE MUCOSAL IMMUNOLOGICAL NETWORK: COMPARTMENTALIZATION OF LYMPHOCYTES, NATURAL KILLER CELLS, AND MAST CELLS. Annals of the New York Academy of Sciences, 1983, 409, 164-170.	1.8	47
67	Identification of immunoglobulins and complement in rheumatoid articular collagenous tissues. Arthritis and Rheumatism, 1975, 18, 541-551.	6.7	196
68	Secretory Immunoglobulins. Advances in Immunology, 1968, 9, 1-96.	1.1	582