John Bienenstock

List of Publications by Year
in descending order

68 papers	11,589 citations	57631 44 h-index	91712 69 g-index
73 all docs	73 docs citations	73 times ranked	10581 citing authors

#	Article	IF	Citations
1	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
2	The probiotic Bifidobacteria infantis: An assessment of potential antidepressant properties in the rat. Journal of Psychiatric Research, 2008, 43, 164-174.	1.5	760
3	Secretory Immunoglobulins. Advances in Immunology, 1968, 9, 1-96.	1.1	582
4	Mood and gut feelings. Brain, Behavior, and Immunity, 2010, 24, 9-16.	2.0	385
5	Vagal Pathways for Microbiome-Brain-Gut Axis Communication. Advances in Experimental Medicine and Biology, 2014, 817, 115-133.	0.8	382
6	<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
7	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
8	<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
9	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
10	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
11	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
12	Structural & functional consequences of chronic psychosocial stress on the microbiome & host. Psychoneuroendocrinology, 2016, 63, 217-227.	1.3	247
13	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
14	Effects of intestinal microbiota on anxiety-like behavior. Communicative and Integrative Biology, 2011, 4, 492-494.	0.6	228
15	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
16	Communication between gastrointestinal bacteria and the nervous system. Current Opinion in Pharmacology, 2012, 12, 667-672.	1.7	203
17	Identification of immunoglobulins and complement in rheumatoid articular collagenous tissues. Arthritis and Rheumatism, 1975, 18, 541-551.	6.7	196
18	Microbiota and the gutâ€"brain axis. Nutrition Reviews, 2015, 73, 28-31.	2.6	191

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19	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
20	Neuropeptide Regulation of Mucosal Immunity. Immunological Reviews, 1987, 100, 333-359.	2.8	175
21	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
22	Oral treatment with Lactobacillus rhamnosus attenuates behavioural deficits and immune changes in chronic social stress. BMC Medicine, 2017, 15, 7.	2.3	170
23	Immunomodulation by Commensal and Probiotic Bacteria. Immunological Investigations, 2010, 39, 429-448.	1.0	144
24	Effects of intestinal microbiota on anxiety-like behavior. Communicative and Integrative Biology, 2011, 4, 492-4.	0.6	140
25	Gut commensal microvesicles reproduce parent bacterial signals to host immune and enteric nervous systems. FASEB Journal, 2015, 29, 684-695.	0.2	139
26	Bacteroides fragilis polysaccharide A is necessary and sufficient for acute activation of intestinal sensory neurons. Nature Communications, 2013, 4, 1465.	5.8	127
27	Gut- and bronchus-associated lymphoid tissue. American Journal of Anatomy, 1984, 170, 437-445.	0.9	126
28	Moody microbes or fecal phrenology: what do we know about the microbiota-gut-brain axis?. BMC Medicine, 2016, 14, 58.	2.3	117
29	On communication between gut microbes and the brain. Current Opinion in Gastroenterology, 2012, 28, 557-562.	1.0	108
30	Murine intestinal intraepithelial lymphocytes. I. Relationship of a novel Thy-1âˆ’, Lyt-1âˆ’, Lyt-2+, granulated subpopulation to natural killer cells and mast cells. European Journal of Immunology, 1985, 15, 211-215.	1.6	100
31	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
32	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
33	Helsinki alert of biodiversity and health. Annals of Medicine, 2015, 47, 218-225.	1.5	95
34	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
35	The vagus nerve modulates BDNF expression and neurogenesis in the hippocampus. European Neuropsychopharmacology, 2018, 28, 307-316.	0.3	86
36	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

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37	<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
38	The gutâ€brain axis rewired: adding a functional vagal nicotinic â€œsensory synapseâ€. FASEB Journal, 2014, 28, 3064-3074.	0.2	82
39	Posttraumatic Stress Disorder: Does the Gut Microbiome Hold the Key?. Canadian Journal of Psychiatry, 2016, 61, 204-213.	0.9	75
40	The vagus nerve modulates CD4+ T cell activity. Brain, Behavior, and Immunity, 2010, 24, 316-323.	2.0	71
41	Oral selective serotonin reuptake inhibitors activate vagus nerve dependent gut-brain signalling. Scientific Reports, 2019, 9, 14290.	1.6	67
42	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
43	Fucosylated but Not Sialylated Milk Oligosaccharides Diminish Colon Motor Contractions. PLoS ONE, 2013, 8, e76236.	1.1	60
44	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
45	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
46	Antibiotics and the nervous system: More than just the microbes?. Brain, Behavior, and Immunity, 2019, 77, 7-15.	2.0	46
47	New insights into probiotic mechanisms. Gut Microbes, 2013, 4, 94-100.	4.3	42
48	Mast cells, nerves and fibrosis in the appendix: A morphological assessment. Journal of Pathology, 1990, 161, 209-219.	2.1	41
49	Microvesicles from Lactobacillus reuteri (DSM-17938) completely reproduce modulation of gut motility by bacteria in mice. PLoS ONE, 2020, 15, e0225481.	1.1	41
50	A Lactobacillus rhamnosus Strain Induces a Heme Oxygenase Dependent Increase in Foxp3+ Regulatory T Cells. PLoS ONE, 2012, 7, e47556.	1.1	38
51	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
52	Murine intestinal intraepithelial lymphocytes. II. Comparison of freshly isolated and cultured intraepithelial lymphocytes. European Journal of Immunology, 1985, 15, 216-221.	1.6	35
53	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
54	Lactobacillus rhamnosus Ingestion Promotes Innate Host Defense in an Enteric Parasitic Infection. Vaccine Journal, 2013, 20, 818-826.	3.2	28

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55	Disruptive physiology: olfaction and the microbiomeâ€"gutâ€"brain axis. Biological Reviews, 2018, 93, 390-403.	4.7	27
56	Neuroendocrine Regulation of mucosal Immunity. Immunological Investigations, 1989, 18, 69-76.	1.0	26
57	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
58	Antibiotic Driven Changes in Gut Motility Suggest Direct Modulation of Enteric Nervous System. Frontiers in Neuroscience, 2017, 11, 588.	1.4	21
59	Neuroimmune aspects of food intake. International Dairy Journal, 2010, 20, 253-258.	1.5	19
60	Bacterial membrane vesicles and phages in blood after consumption of<i>Lacticaseibacillus rhamnosus</i>JB-1. Gut Microbes, 2021, 13, 1993583.	4.3	15
61	Probiotic Lactobacillus reuteri Alleviates the Response to Gastric Distension in Rats,. Journal of Nutrition, 2011, 141, 1813-1818.	1.3	14
62	Nerves and Neuropeptides in the Regulation of Mucosal Immunity. Advances in Experimental Medicine and Biology, 1989, 257, 19-26.	0.8	12
63	Probiotics in the management and prevention of atopy. Clinical Reviews in Allergy and Immunology, 2002, 22, 275-285.	2.9	10
64	Identification of SSRI-evoked antidepressant sensory signals by decoding vagus nerve activity. Scientific Reports, 2021, 11, 21130.	1.6	10
65	<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
66	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
67	The Role of Fecal Microbiota Transplantation in Neurological Diseases. , 2019, , 161-177.		1
68	Lars Ã… (Nenne)ÂHansonÂ(1934â€"2022): A Retrospective. Mucosal Immunology, 2022, , .	2.7	0