

John Bienenstock

List of Publications by Year in descending order

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Version: 2024-02-01

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	Ingestion of <i>Lactobacillus</i> strain regulates emotional behavior and central GABA receptor expression in a mouse via the vagus nerve. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16050-16055.	3.3	2,811
2	The probiotic <i>Bifidobacteria infantis</i> : An assessment of potential antidepressant properties in the rat. <i>Journal of Psychiatric Research</i> , 2008, 43, 164-174.	1.5	760
3	Secretory Immunoglobulins. <i>Advances in Immunology</i> , 1968, 9, 1-96.	1.1	582
4	Mood and gut feelings. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 9-16.	2.0	385
5	Vagal Pathways for Microbiome-Brain-Gut Axis Communication. <i>Advances in Experimental Medicine and Biology</i> , 2014, 817, 115-133.	0.8	382
6	<i>Lactobacillus reuteri</i> -induced Regulatory T cells Protect against an Allergic Airway Response in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 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. <i>Nature Communications</i> , 2017, 8, 15062.	5.8	329
8	<i>Lactobacillus reuteri</i> enhances excitability of colonic AH neurons by inhibiting calcium-dependent potassium channel opening. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2261-2270.	1.6	294
9	Oral Treatment with Live <i>Lactobacillus reuteri</i> Inhibits the Allergic Airway Response in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 561-569.	2.5	289
10	Lost in translation? The potential psychobiotic <i>Lactobacillus rhamnosus</i> (JB-1) fails to modulate stress or cognitive performance in healthy male subjects. <i>Brain, Behavior, and Immunity</i> , 2017, 61, 50-59.	2.0	254
11	Live <i>Lactobacillus reuteri</i> Is Essential for the Inhibitory Effect on Tumor Necrosis Factor Alpha-Induced Interleukin-8 Expression. <i>Infection and Immunity</i> , 2004, 72, 5308-5314.	1.0	247
12	Structural & functional consequences of chronic psychosocial stress on the microbiome & host. <i>Psychoneuroendocrinology</i> , 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. <i>Psychopharmacology</i> , 2012, 221, 155-169.	1.5	231
14	Effects of intestinal microbiota on anxiety-like behavior. <i>Communicative and Integrative Biology</i> , 2011, 4, 492-494.	0.6	228
15	Magnetic resonance spectroscopy reveals oral <i>Lactobacillus</i> promotion of increases in brain GABA, N-acetyl aspartate and glutamate. <i>NeuroImage</i> , 2016, 125, 988-995.	2.1	218
16	Communication between gastrointestinal bacteria and the nervous system. <i>Current Opinion in Pharmacology</i> , 2012, 12, 667-672.	1.7	203
17	Identification of immunoglobulins and complement in rheumatoid articular collagenous tissues. <i>Arthritis and Rheumatism</i> , 1975, 18, 541-551.	6.7	196
18	Microbiota and the gut-brain axis. <i>Nutrition Reviews</i> , 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. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, G211-G220.	1.6	189
20	Neuropeptide Regulation of Mucosal Immunity. <i>Immunological Reviews</i> , 1987, 100, 333-359.	2.8	175
21	The Role of Mast Cells in Inflammatory Processes: Evidence for Nerve/Mast Cell Interactions. <i>International Archives of Allergy and Immunology</i> , 1987, 82, 238-243.	0.9	174
22	Oral treatment with <i>Lactobacillus rhamnosus</i> attenuates behavioural deficits and immune changes in chronic social stress. <i>BMC Medicine</i> , 2017, 15, 7.	2.3	170
23	Immunomodulation by Commensal and Probiotic Bacteria. <i>Immunological Investigations</i> , 2010, 39, 429-448.	1.0	144
24	Effects of intestinal microbiota on anxiety-like behavior. <i>Communicative and Integrative Biology</i> , 2011, 4, 492-4.	0.6	140
25	Gut commensal microvesicles reproduce parent bacterial signals to host immune and enteric nervous systems. <i>FASEB Journal</i> , 2015, 29, 684-695.	0.2	139
26	<i>Bacteroides fragilis</i> polysaccharide A is necessary and sufficient for acute activation of intestinal sensory neurons. <i>Nature Communications</i> , 2013, 4, 1465.	5.8	127
27	Gut- and bronchus-associated lymphoid tissue. <i>American Journal of Anatomy</i> , 1984, 170, 437-445.	0.9	126
28	Moody microbes or fecal phrenology: what do we know about the microbiota-gut-brain axis?. <i>BMC Medicine</i> , 2016, 14, 58.	2.3	117
29	On communication between gut microbes and the brain. <i>Current Opinion in Gastroenterology</i> , 2012, 28, 557-562.	1.0	108
30	Murine intestinal intraepithelial lymphocytes. I. Relationship of a novel Thy-1 ⁺ , Lyt-1 ⁺ , Lyt-2 ⁺ , granulated subpopulation to natural killer cells and mast cells. <i>European Journal of Immunology</i> , 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. <i>Journal of Allergy and Clinical Immunology</i> , 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. <i>Journal of Physiology</i> , 2015, 593, 3943-3957.	1.3	98
33	Helsinki alert of biodiversity and health. <i>Annals of Medicine</i> , 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. <i>FASEB Journal</i> , 2010, 24, 4078-4088.	0.2	92
35	The vagus nerve modulates BDNF expression and neurogenesis in the hippocampus. <i>European Neuropsychopharmacology</i> , 2018, 28, 307-316.	0.3	86
36	Loss of vagal anti-inflammatory effect: in vivo visualization and adoptive transfer. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 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. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G868-G875.	1.6	84
38	The gut-brain axis rewired: adding a functional vagal nicotinic sensory synapse. <i>FASEB Journal</i> , 2014, 28, 3064-3074.	0.2	82
39	Posttraumatic Stress Disorder: Does the Gut Microbiome Hold the Key?. <i>Canadian Journal of Psychiatry</i> , 2016, 61, 204-213.	0.9	75
40	The vagus nerve modulates CD4+ T cell activity. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 316-323.	2.0	71
41	Oral selective serotonin reuptake inhibitors activate vagus nerve dependent gut-brain signalling. <i>Scientific Reports</i> , 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. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R1131-R1137.	0.9	61
43	Fucosylated but Not Sialylated Milk Oligosaccharides Diminish Colon Motor Contractions. <i>PLoS ONE</i> , 2013, 8, e76236.	1.1	60
44	Mouse Strain Affects Behavioral and Neuroendocrine Stress Responses Following Administration of Probiotic <i>Lactobacillus rhamnosus</i> JB-1 or Traditional Antidepressant Fluoxetine. <i>Frontiers in Neuroscience</i> , 2018, 12, 294.	1.4	49
45	THE MUCOSAL IMMUNOLOGICAL NETWORK: COMPARTMENTALIZATION OF LYMPHOCYTES, NATURAL KILLER CELLS, AND MAST CELLS. <i>Annals of the New York Academy of Sciences</i> , 1983, 409, 164-170.	1.8	47
46	Antibiotics and the nervous system: More than just the microbes?. <i>Brain, Behavior, and Immunity</i> , 2019, 77, 7-15.	2.0	46
47	New insights into probiotic mechanisms. <i>Gut Microbes</i> , 2013, 4, 94-100.	4.3	42
48	Mast cells, nerves and fibrosis in the appendix: A morphological assessment. <i>Journal of Pathology</i> , 1990, 161, 209-219.	2.1	41
49	Microvesicles from <i>Lactobacillus reuteri</i> (DSM-17938) completely reproduce modulation of gut motility by bacteria in mice. <i>PLoS ONE</i> , 2020, 15, e0225481.	1.1	41
50	A <i>Lactobacillus rhamnosus</i> Strain Induces a Heme Oxygenase Dependent Increase in Foxp3+ Regulatory T Cells. <i>PLoS ONE</i> , 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. <i>Brain, Behavior, and Immunity</i> , 2020, 84, 154-163.	2.0	36
52	Murine intestinal intraepithelial lymphocytes. II. Comparison of freshly isolated and cultured intraepithelial lymphocytes. <i>European Journal of Immunology</i> , 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. <i>Neuropharmacology</i> , 2020, 170, 108067.	2.0	31
54	<i>Lactobacillus rhamnosus</i> Ingestion Promotes Innate Host Defense in an Enteric Parasitic Infection. <i>Vaccine Journal</i> , 2013, 20, 818-826.	3.2	28

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55	Disruptive physiology: olfaction and the microbiomeâ€“gutâ€“brain axis. <i>Biological Reviews</i> , 2018, 93, 390-403.	4.7	27
56	Neuroendocrine Regulation of mucosal Immunity. <i>Immunological Investigations</i> , 1989, 18, 69-76.	1.0	26
57	Membrane vesicles of <i>Lactocaseibacillus rhamnosus</i> JB-1 contain immunomodulatory lipoteichoic acid and are endocytosed by intestinal epithelial cells. <i>Scientific Reports</i> , 2021, 11, 13756.	1.6	22
58	Antibiotic Driven Changes in Gut Motility Suggest Direct Modulation of Enteric Nervous System. <i>Frontiers in Neuroscience</i> , 2017, 11, 588.	1.4	21
59	Neuroimmune aspects of food intake. <i>International Dairy Journal</i> , 2010, 20, 253-258.	1.5	19
60	Bacterial membrane vesicles and phages in blood after consumption of <i>Lactocaseibacillus rhamnosus</i> JB-1. <i>Gut Microbes</i> , 2021, 13, 1993583.	4.3	15
61	Probiotic <i>Lactobacillus reuteri</i> Alleviates the Response to Gastric Distension in Rats,. <i>Journal of Nutrition</i> , 2011, 141, 1813-1818.	1.3	14
62	Nerves and Neuropeptides in the Regulation of Mucosal Immunity. <i>Advances in Experimental Medicine and Biology</i> , 1989, 257, 19-26.	0.8	12
63	Probiotics in the management and prevention of atopy. <i>Clinical Reviews in Allergy and Immunology</i> , 2002, 22, 275-285.	2.9	10
64	Identification of SSRI-evoked antidepressant sensory signals by decoding vagus nerve activity. <i>Scientific Reports</i> , 2021, 11, 21130.	1.6	10
65	<i>Limosilactobacillus reuteri</i> DSMâ€“17938 for preventing cough in adults with mild allergic asthma: A double-blind randomized placebo-controlled crossover study. <i>Clinical and Experimental Allergy</i> , 2021, 51, 1133-1143.	1.4	6
66	The Microbiomeâ€“Gutâ€“Brain Axis and the Consequences of Infection and Dysbiosis. <i>American Journal of Gastroenterology Supplements (Print)</i> , 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)Ã…HansonÃ…(1934â€“2022): A Retrospective. <i>Mucosal Immunology</i> , 2022, , .	2.7	0