Elaine Hsiao

List of Publications by Year
in descending order

52	12,136	168829 31	214428 50
papers	citations	h-index	g-index

55	55	55	15578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Gut Microbiome as a Regulator of the Neuroimmune Landscape. Annual Review of Immunology, 2022, 40, 143-167.	9.5	24
2	Are changes in the gut microbiome a contributor or consequence of autismâ€"why not both?. Cell Reports Medicine, 2022, 3, 100505.	3.3	2
3	Interactions between the gut microbiome and ketogenic diet in refractory epilepsy. International Review of Neurobiology, 2022, , 217-249.	0.9	9
4	IL-33 Changes Our â€œGut Feelingsâ€•about Serotonin. Immunity, 2021, 54, 9-11.	6.6	3
5	Gut microbial taxa elevated by dietary sugar disrupt memory function. Translational Psychiatry, 2021, 11, 194.	2.4	50
6	SnapShot: The microbiota-gut-brain axis. Cell, 2021, 184, 2524-2524.e1.	13.5	79
7	Roles for the gut microbiota in regulating neuronal feeding circuits. Journal of Clinical Investigation, 2021, 131, .	3.9	26
8	Interactions between maternal fluoxetine exposure, the maternal gut microbiome and fetal neurodevelopment in mice. Behavioural Brain Research, 2021, 410, 113353.	1.2	7
9	Malnutrition and the microbiome as modifiers of early neurodevelopment. Trends in Neurosciences, 2021, 44, 753-764.	4.2	18
10	Alterations in the gut microbiota contribute to cognitive impairment induced by the ketogenic diet and hypoxia. Cell Host and Microbe, 2021, 29, 1378-1392.e6.	5.1	49
11	Early life adversity predicts brain-gut alterations associated with increased stress and mood. Neurobiology of Stress, 2021, 15, 100348.	1.9	22
12	Signaling inflammation across the gut-brain axis. Science, 2021, 374, 1087-1092.	6.0	210
13	Emerging roles for the intestinal microbiome in epilepsy. Neurobiology of Disease, 2020, 135, 104576.	2.1	86
14	The Microbiome as a Modifier of Neurodegenerative Disease Risk. Cell Host and Microbe, 2020, 28, 201-222.	5.1	120
15	Analysis of brain networks and fecal metabolites reveals brainâ€“gut alterations in premenopausal females with irritable bowel syndrome. Translational Psychiatry, 2020, 10, 367.	2.4	17
16	Host Genetic Background and Gut Microbiota Contribute to Differential Metabolic Responses to Fructose Consumption in Mice. Journal of Nutrition, 2020, 150, 2716-2728.	1.3	15
17	The maternal microbiome modulates fetal neurodevelopment in mice. Nature, 2020, 586, 281-286.	13.7	280
18	Ketone Bodies Exert Ester-Ordinary Suppression of Bifidobacteria and Th17 Cells. Cell Metabolism, 2020, 31, 1049-1051.	7.2	4

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19	Indigenous Microbiota Protects against Inflammation-Induced Osteonecrosis. Journal of Dental Research, 2020, 99, 676-684.	2.5	15
20	Mitochondrial and Purinergic Dysregulation Promote Abnormal Behavior in Mice. Trends in Immunology, 2020, 41, 97-99.	2.9	1
21	Toward Understanding Microbiome-Neuronal Signaling. Molecular Cell, 2020, 78, 577-583.	4.5	73
22	Gut microbes tune inflammation and lifespan in a mouse model of amyotrophic lateral sclerosis. Nature, 2020, 582, 34-35.	13.7	2
23	A novel pathway for microbial metabolism of levodopa. Nature Medicine, 2019, 25, 1195-1197.	15.2	17
24	Perinatal Interactions between the Microbiome, Immunity, and Neurodevelopment. Immunity, 2019, 50, 18-36.	6.6	103
25	Intestinal serotonin and fluoxetine exposure modulate bacterial colonization in the gut. Nature Microbiology, 2019, 4, 2064-2073.	5.9	264
26	Microbiomes as sources of emergent host phenotypes. Science, 2019, 365, 1405-1409.	6.0	208
27	Evidence for an association of gut microbial Clostridia with brain functional connectivity and gastrointestinal sensorimotor function in patients with irritable bowel syndrome, based on tripartite network analysis. Microbiome, 2019, 7, 45.	4.9	83
28	Maternal immune activation: reporting guidelines to improve the rigor, reproducibility, and transparency of the model. Neuropsychopharmacology, 2019, 44, 245-258.	2.8	180
29	Gut Microbes Join the Social Network. Neuron, 2019, 101, 196-198.	3.8	7
30	The gut microbiota mediates reward and sensory responses associated with regimen-selective morphine dependence. Neuropsychopharmacology, 2018, 43, 2606-2614.	2.8	130
31	Defining Dysbiosis in Disorders of Movement and Motivation. Journal of Neuroscience, 2018, 38, 9414-9422.	1.7	17
32	The Gut Microbiota Mediates the Anti-Seizure Effects of the Ketogenic Diet. Cell, 2018, 173, 1728-1741.e13.	13.5	628
33	Correlation of tryptophan metabolites with connectivity of extended central reward network in healthy subjects. PLoS ONE, 2018, 13, e0201772.	1.1	53
34	Linking the Gut Microbiota to a Brain Neurotransmitter. Trends in Neurosciences, 2018, 41, 413-414.	4.2	56
35	Interactions between the microbiota, immune and nervous systems in health and disease. Nature Neuroscience, 2017, 20, 145-155.	7.1	1,266
36	The Microbiome and Host Behavior. Annual Review of Neuroscience, 2017, 40, 21-49.	5.0	394

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37	Microbes REV up Host Metabolism around the Clock. Immunity, 2017, 47, 618-620.	6.6	2
38	Emerging Roles for the Gut Microbiome in Autism Spectrum Disorder. Biological Psychiatry, 2017, 81, 411-423.	0.7	418
39	The placental interleukin-6 signaling controls fetal brain development and behavior. Brain, Behavior, and Immunity, 2017, 62, 11-23.	2.0	186
40	Modeling the Maternal Immune Activation Risk Factor for Schizophrenia. Handbook of Behavioral Neuroscience, 2016, 23, 175-191.	0.7	1
41	Immune Dysfunction in Autism Spectrum Disorder. , 2016, , 65-82.		1
42	The Microbial Olympics 2016. Nature Microbiology, 2016, 1, 16122.	5.9	7
43	Indigenous Bacteria from the Gut Microbiota Regulate Host Serotonin Biosynthesis. Cell, 2015, 161, 264-276.	13.5	2,423
44	Gastrointestinal Issues in Autism Spectrum Disorder. Harvard Review of Psychiatry, 2014, 22, 104-111.	0.9	147
45	Maternal immune activation causes age- and region-specific changes in brain cytokines in offspring throughout development. Brain, Behavior, and Immunity, 2013, 31, 54-68.	2.0	297
46	Microbiota Modulate Behavioral and Physiological Abnormalities Associated with Neurodevelopmental Disorders. Cell, 2013, 155, 1451-1463.	13.5	2,596
47	Immune Dysregulation in Autism Spectrum Disorder. International Review of Neurobiology, 2013, 113, 269-302.	0.9	73
48	Modeling an autism risk factor in mice leads to permanent immune dysregulation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12776-12781.	3.3	307
49	Maternal immune activation yields offspring displaying mouse versions of the three core symptoms of autism. Brain, Behavior, and Immunity, 2012, 26, 607-616.	2.0	550
50	Placental regulation of maternalâ€fetal interactions and brain development. Developmental Neurobiology, 2012, 72, 1317-1326.	1.5	160
51	Immune Involvement in Autism Spectrum Disorder as a Basis for Animal Models. Autism-open Access, 2012, 01, .	0.2	0
52	Activation of the maternal immune system induces endocrine changes in the placenta via IL-6. Brain, Behavior, and Immunity, 2011, 25, 604-615.	2.0	316