Siobhain M O' Mahony

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6987902/publications.pdf

Version: 2024-02-01

90 papers	7,994 citations	101543 36 h-index	62596 80 g-index
91 all docs	91 docs citations	91 times ranked	9580 citing authors

#	Article	IF	Citations
1	Serotonin, tryptophan metabolism and the brain-gut-microbiome axis. Behavioural Brain Research, 2015, 277, 32-48.	2.2	1,320
2	Early Life Stress Alters Behavior, Immunity, and Microbiota in Rats: Implications for Irritable Bowel Syndrome and Psychiatric Illnesses. Biological Psychiatry, 2009, 65, 263-267.	1.3	956
3	The microbiome-gut-brain axis: from bowel to behavior. Neurogastroenterology and Motility, 2011, 23, 187-192.	3.0	741
4	Hypothalamic-Pituitary-Gut Axis Dysregulation in Irritable Bowel Syndrome: Plasma Cytokines as a Potential Biomarker?. Gastroenterology, 2006, 130, 304-311.	1.3	544
5	Maternal separation as a model of brainâ€“gut axis dysfunction. Psychopharmacology, 2011, 214, 71-88.	3.1	339
6	Stress and the Microbiotaâ€“Gutâ€“Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. CNS Neuroscience and Therapeutics, 2016, 22, 102-117.	3.9	262
7	Gender-dependent consequences of chronic olanzapine in the rat: effects on body weight, inflammatory, metabolic and microbiota parameters. Psychopharmacology, 2012, 221, 155-169.	3.1	231
8	Disturbance of the gut microbiota in early-life selectively affects visceral pain in adulthood without impacting cognitive or anxiety-related behaviors in male rats. Neuroscience, 2014, 277, 885-901.	2.3	222
9	Irritable Bowel Syndromeâ€“Type Symptoms in Patients With Inflammatory Bowel Disease: A Real Association or Reflection of Occult Inflammation?. American Journal of Gastroenterology, 2010, 105, 1789-1794.	0.4	204
10	Antipsychotics and the gut microbiome: olanzapine-induced metabolic dysfunction is attenuated by antibiotic administration in the rat. Translational Psychiatry, 2013, 3, e309-e309.	4.8	201
11	Early-life adversity and brain development: Is the microbiome a missing piece of the puzzle?. Neuroscience, 2017, 342, 37-54.	2.3	155
12	Microbiota-gut-brain signalling in Parkinson's disease: Implications for non-motor symptoms. Parkinsonism and Related Disorders, 2016, 27, 1-8.	2.2	148
13	Priming for health: gut microbiota acquired in early life regulates physiology, brain and behaviour. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 812-819.	1.5	146
14	Programming Bugs: Microbiota and the Developmental Origins of Brain Health and Disease. Biological Psychiatry, 2019, 85, 150-163.	1.3	146
15	Steroids, stress and the gut microbiomeâ€brain axis. Journal of Neuroendocrinology, 2018, 30, e12548.	2.6	119
16	Stress-Induced Visceral Pain: Toward Animal Models of Irritable-Bowel Syndrome and Associated Comorbidities. Frontiers in Psychiatry, 2015, 6, 15.	2.6	118
17	Microbiota regulates visceral pain in the mouse. ELife, 2017, 6, .	6.0	117
18	Human preservation techniques in anatomy: A 21st century medical education perspective. Clinical Anatomy, 2015, 28, 725-734.	2.7	107

#	Article	IF	Citations
19	Post-weaning social isolation of rats leads to long-term disruption of the gut microbiota-immune-brain axis. Brain, Behavior, and Immunity, 2018, 68, 261-273.	4.1	97
20	Gut microbiota composition is associated with temperament traits in infants. Brain, Behavior, and Immunity, 2019, 80, 849-858.	4.1	91
21	Neurobehavioural effects of Lactobacillus rhamnosus GG alone and in combination with prebiotics polydextrose and galactooligosaccharide in male rats exposed to early-life stress. Nutritional Neuroscience, 2019, 22, 425-434.	3.1	79
22	Gestational Stress Leads to Depressive-Like Behavioural and Immunological Changes in the Rat. NeuroImmunoModulation, 2006, 13, 82-88.	1.8	76
23	5-HT2B receptors modulate visceral hypersensitivity in a stress-sensitive animal model of brain-gut axis dysfunction. Neurogastroenterology and Motility, 2010, 22, 573-e124.	3.0	70
24	An isocratic high performance liquid chromatography method for the determination of GABA and glutamate in discrete regions of the rodent brain. Journal of Neuroscience Methods, 2007, 160, 223-230.	2.5	65
25	Gut microbiome patterns depending on childrenâ€™s psychosocial stress: Reports versus biomarkers. Brain, Behavior, and Immunity, 2019, 80, 751-762.	4.1	64
26	The gut microbiota as a key regulator of visceral pain. Pain, 2017, 158, S19-S28.	4.2	63
27	Toll-Like Receptor mRNA Expression Is Selectively Increased in the Colonic Mucosa of Two Animal Models Relevant to Irritable Bowel Syndrome. PLoS ONE, 2009, 4, e8226.	2.5	59
28	Evidence of an enhanced central 5HT response in irritable bowel syndrome and in the rat maternal separation model. Neurogastroenterology and Motility, 2008, 20, 680-688.	3.0	54
29	Irritable Bowel Syndrome and Stress-Related Psychiatric Co-morbidities: Focus on Early Life Stress. Handbook of Experimental Pharmacology, 2017, 239, 219-246.	1.8	52
30	Distinct alterations in motor & reward seeking behavior are dependent on the gestational age of exposure to LPS-induced maternal immune activation. Brain, Behavior, and Immunity, 2017, 63, 21-34.	4.1	49
31	Relevance of anatomy to medical education and clinical practice: perspectives of medical students, clinicians, and educators. Perspectives on Medical Education, 2022, 5, 338-346.	3.5	47
32	The Role of the Gastrointestinal Microbiota in Visceral Pain. Handbook of Experimental Pharmacology, 2017, 239, 269-287.	1.8	47
33	The microbiome and disorders of the central nervous system. Pharmacology Biochemistry and Behavior, 2017, 160, 1-13.	2.9	47
34	Microbiota and Neurodevelopmental Trajectories: Role of Maternal and Early-Life Nutrition. Annals of Nutrition and Metabolism, 2019, 74, 16-27.	1.9	47
35	The enduring effects of earlyâ€life stress on the microbiotaâ€“gutâ€“brain axis are buffered by dietary supplementation with milk fat globule membrane and a prebiotic blend. European Journal of Neuroscience, 2020, 51, 1042-1058.	2.6	44
36	Dietary phospholipids: Role in cognitive processes across the lifespan. Neuroscience and Biobehavioral Reviews, 2020, 111, 183-193.	6.1	43

#	Article	IF	Citations
37	Efavirenz Induces Depressive-Like Behaviour, Increased Stress Response and Changes in the Immune Response in Rats. NeuroImmunoModulation, 2005, 12, 293-298.	1.8	41
38	Earlyâ€life stress selectively affects gastrointestinal but not behavioral responses in a genetic model of brainâ€“gut axis dysfunction. Neurogastroenterology and Motility, 2015, 27, 105-113.	3.0	36
39	Convergence of neuro-endocrine-immune pathways in the pathophysiology of irritable bowel syndrome. World Journal of Gastroenterology, 2014, 20, 8846-58.	3.3	36
40	Rodent Models of Colorectal Distension. Current Protocols in Neuroscience, 2012, 61, Unit 9.40.	2.6	35
41	Role of paroxetine in interferon-Î±-induced immune and behavioural changes in male Wistar rats. Journal of Psychopharmacology, 2007, 21, 843-850.	4.0	34
42	The microbiome and childhood diseases: Focus on brainâ€gut axis. Birth Defects Research Part C: Embryo Today Reviews, 2015, 105, 296-313.	3.6	34
43	Differential activation of the prefrontal cortex and amygdala following psychological stress and colorectal distension in the maternally separated rat. Neuroscience, 2014, 267, 252-262.	2.3	32
44	Association between learning style preferences and anatomy assessment outcomes in graduateâ€entry and undergraduate medical students. Anatomical Sciences Education, 2016, 9, 391-399.	3.7	31
45	A comparison of embalming fluids on the structures and properties of tissue in human cadavers. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2019, 48, 64-73.	0.7	31
46	Chain reactions: Early-life stress alters the metabolic profile of plasma polyunsaturated fatty acids in adulthood. Behavioural Brain Research, 2009, 205, 319-321.	2.2	30
47	Differential visceral nociceptive, behavioural and neurochemical responses to an immune challenge in the stress-sensitive Wistar Kyoto rat strain. Behavioural Brain Research, 2013, 253, 310-317.	2.2	29
48	A distinct subset of submucosal mast cells undergoes hyperplasia following neonatal maternal separation: a role in visceral hypersensitivity?. Gut, 2009, 58, 1029-1030.	12.1	28
49	Verapamil in treatment resistant depression: a role for the Pâ€glycoprotein transporter?. Human Psychopharmacology, 2009, 24, 217-223.	1.5	28
50	The immune-kynurenine pathway in social anxiety disorder. Brain, Behavior, and Immunity, 2022, 99, 317-326.	4.1	27
51	Estrous cycle influences excitatory amino acid transport and visceral pain sensitivity in the rat: effects of early-life stress. Biology of Sex Differences, 2016, 7, 33.	4.1	26
52	Central serotonergic and noradrenergic receptors in functional dyspepsia. World Journal of Gastroenterology, 2006, 12, 2681.	3.3	24
53	The utility of cadaverâ€based approaches for the teaching of human anatomy: A survey of British and Irish anatomy teachers. Anatomical Sciences Education, 2017, 10, 137-143.	3.7	22
54	Disodium Cromoglycate Reverses Colonic Visceral Hypersensitivity and Influences Colonic Ion Transport in a Stress-Sensitive Rat Strain. PLoS ONE, 2013, 8, e84718.	2.5	22

#	Article	IF	Citations
55	Of bowels, brain and behavior: A role for the gut microbiota in psychiatric comorbidities in irritable bowel syndrome. Neurogastroenterology and Motility, 2021, 33, e14095.	3.0	21
56	The effects of gabapentin in two animal models of co-morbid anxiety and visceral hypersensitivity. European Journal of Pharmacology, 2011, 667, 169-174.	3.5	20
57	The antimicrobial capacity of embalming solutions: a comparative study. Journal of Applied Microbiology, 2019, 126, 764-770.	3.1	20
58	Visceral sensitivity modulation by faecal microbiota transplantation: the active role of gut bacteria in pain persistence. Pain, 2022, 163, 861-877.	4.2	17
59	Estrous cycle and ovariectomy-induced changes in visceral pain are microbiota-dependent. IScience, 2021, 24, 102850.	4.1	17
60	Visceral Pain and Psychiatric Disorders. Modern Problems of Pharmacopsychiatry, 2015, 30, 103-119.	2.5	15
61	Identifying a biological signature of prenatal maternal stress. JCI Insight, 2021, 6, .	5.0	15
62	Lactobacillus rhamnosus GG soluble mediators ameliorate early life stress-induced visceral hypersensitivity and changes in spinal cord gene expression. Neuronal Signaling, 2020, 4, NS20200007.	3.2	15
63	Postoperative pain and the gut microbiome. Neurobiology of Pain (Cambridge, Mass), 2021, 10, 100070.	2.5	14
64	Differential visceral pain sensitivity and colonic morphology in four common laboratory rat strains. Experimental Physiology, 2014, 99, 359-367.	2.0	12
65	Sex-dependent activity of the spinal excitatory amino acid transporter: Role of estrous cycle. Neuroscience, 2016, 333, 311-319.	2.3	12
66	Exploring the Impact of the Microbiome on Neuroactive Steroid Levels in Germ-Free Animals. International Journal of Molecular Sciences, 2021, 22, 12551.	4.1	11
67	Assessment of Thielâ€Embalmed Cadavers as a Teaching Tool for Oral Anatomy and Local Anesthesia. Journal of Dental Education, 2017, 81, 420-426.	1.2	9
68	Oxidized phospholipids affect small intestine neuromuscular transmission and serotonergic pathways in juvenile mice. Neurogastroenterology and Motility, 2021, 33, e14036.	3.0	9
69	Gut Steroids and Microbiota: Effect of Gonadectomy and Sex. Biomolecules, 2022, 12, 767.	4.0	9
70	Pain Bugs: Gut Microbiota and Pain Disorders. Current Opinion in Physiology, 2019, 11, 97-102.	1.8	8
71	Prior maternal separation stress alters the dendritic complexity of new hippocampal neurons and neuroinflammation in response to an inflammatory stressor in juvenile female rats. Brain, Behavior, and Immunity, 2022, 99, 327-338.	4.1	8
72	Sex, pain, and the microbiome: The relationship between baseline gut microbiota composition, gender and somatic pain in healthy individuals. Brain, Behavior, and Immunity, 2022, 104, 191-204.	4.1	8

#	Article	IF	Citations
73	Supplementation with milk fat globule membrane from early life reduces maternal separation-induced visceral pain independent of enteric nervous system or intestinal permeability changes in the rat. Neuropharmacology, 2022, 210, 109026.	4.1	7
74	25 Early-Life Dysbiosis Leads to Visceral Hypersensitivity in Adulthood. Gastroenterology, 2010, 138, S-4-S-5.	1.3	5
75	Importance of the Microbiota in Early Life and Influence on Future Health. , 2016, , 159-184.		5
76	Assessing radiological images of human cadavers: Is there an effect of different embalming solutions?. Journal of Forensic Radiology and Imaging, 2017, 11, 40-46.	1.2	5
77	Pain after upper limb surgery under peripheral nerve block is associated with gut microbiome composition and diversity. Neurobiology of Pain (Cambridge, Mass), 2021, 10, 100072.	2.5	5
78	High and Mighty? Cannabinoids and the microbiome in pain. Neurobiology of Pain (Cambridge, Mass), 2021, 9, 100061.	2.5	4
79	Developing a quantitative method to assess the decomposition of embalmed human cadavers. Forensic Chemistry, 2020, 18, 100235.	2.8	2
80	Brain development in premature infants: A bug in the programming system?. Cell Host and Microbe, 2021, 29, 1477-1479.	11.0	2
81	T1838 Analgesic Effects of 5-HT2B Antagonists in Pre-Clinical Models of Colorectal Pain. Gastroenterology, 2008, 134, A-573-A-574.	1.3	1
82	The Microbiome-Gut-Brain Axis: A New Window to View the Impact of Prenatal Stress on Early Neurodevelopment. , 2021, , 165-191.		1
83	Stress and the Microbiotaâ€“Gutâ€“Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. , 2016, 22, 102.		1
84	S1823 Do Mast Cells Contribute to Visceral Hypersensitivity in Adult Rats Following Neonatal Psychological Stress?. Gastroenterology, 2008, 134, A-277.	1.3	0
85	T1836 Gabapentin Reverses Colorectal Distension-Induced Visceral Pain Behaviours in Rat Models of Acute and Chronic Visceral Hypersensitivity. Gastroenterology, 2008, 134, A-573.	1.3	0
86	W1699 Toll-Like Receptor mRNA Expression Is Selectively Increased in the Colonic Mucosa of Two Animal Models of Chronic Stress: Relevance to Irritable Bowel Syndrome. Gastroenterology, 2009, 136, A-720.	1.3	0
87	W2034 Polyunsaturated Fatty Acids Contribute to the Inflammatory Phenotype in Irritable Bowel Syndrome. Gastroenterology, 2009, 136, A-777.	1.3	0
88	Su2011 Ablation of the Gut Microbiota Ameliorates Antipsychotic-Induced Weight Gain and Associated Metabolic Dysfunction in the Rat. Gastroenterology, 2012, 142, S-559.	1.3	0
89	Sex hormones modulate glutamate reuptake by spinal excitatory amino acid transporters in rat spinal Cord. Frontiers in Neuroscience, 0, 8, .	2.8	0
90	Visceral pain: role of the microbiome-gut-brain axis. Biochemist, 2017, 39, 6-9.	0.5	0