

Siobhain M O' Mahony

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

7,994
citations

101496

36
h-index

62565

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. <i>Behavioural Brain Research</i> , 2015, 277, 32-48.	1.2	1,320
2	Early Life Stress Alters Behavior, Immunity, and Microbiota in Rats: Implications for Irritable Bowel Syndrome and Psychiatric Illnesses. <i>Biological Psychiatry</i> , 2009, 65, 263-267.	0.7	956
3	The microbiome-gut-brain axis: from bowel to behavior. <i>Neurogastroenterology and Motility</i> , 2011, 23, 187-192.	1.6	741
4	Hypothalamic-Pituitary-Gut Axis Dysregulation in Irritable Bowel Syndrome: Plasma Cytokines as a Potential Biomarker?. <i>Gastroenterology</i> , 2006, 130, 304-311.	0.6	544
5	Maternal separation as a model of brain-gut axis dysfunction. <i>Psychopharmacology</i> , 2011, 214, 71-88.	1.5	339
6	Stress and the Microbiota-Gut-Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 102-117.	1.9	262
7	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
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. <i>Neuroscience</i> , 2014, 277, 885-901.	1.1	222
9	Irritable Bowel Syndrome-Type Symptoms in Patients With Inflammatory Bowel Disease: A Real Association or Reflection of Occult Inflammation?. <i>American Journal of Gastroenterology</i> , 2010, 105, 1789-1794.	0.2	204
10	Antipsychotics and the gut microbiome: olanzapine-induced metabolic dysfunction is attenuated by antibiotic administration in the rat. <i>Translational Psychiatry</i> , 2013, 3, e309-e309.	2.4	201
11	Early-life adversity and brain development: Is the microbiome a missing piece of the puzzle?. <i>Neuroscience</i> , 2017, 342, 37-54.	1.1	155
12	Microbiota-gut-brain signalling in Parkinson's disease: Implications for non-motor symptoms. <i>Parkinsonism and Related Disorders</i> , 2016, 27, 1-8.	1.1	148
13	Priming for health: gut microbiota acquired in early life regulates physiology, brain and behaviour. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014, 103, 812-819.	0.7	146
14	Programming Bugs: Microbiota and the Developmental Origins of Brain Health and Disease. <i>Biological Psychiatry</i> , 2019, 85, 150-163.	0.7	146
15	Steroids, stress and the gut microbiome-brain axis. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12548.	1.2	119
16	Stress-Induced Visceral Pain: Toward Animal Models of Irritable-Bowel Syndrome and Associated Comorbidities. <i>Frontiers in Psychiatry</i> , 2015, 6, 15.	1.3	118
17	Microbiota regulates visceral pain in the mouse. <i>ELife</i> , 2017, 6, .	2.8	117
18	Human preservation techniques in anatomy: A 21st century medical education perspective. <i>Clinical Anatomy</i> , 2015, 28, 725-734.	1.5	107

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19	Post-weaning social isolation of rats leads to long-term disruption of the gut microbiota-immune-brain axis. <i>Brain, Behavior, and Immunity</i> , 2018, 68, 261-273.	2.0	97
20	Gut microbiota composition is associated with temperament traits in infants. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 849-858.	2.0	91
21	Neurobehavioural effects of <i>Lactobacillus rhamnosus</i> GG alone and in combination with prebiotics polydextrose and galactooligosaccharide in male rats exposed to early-life stress. <i>Nutritional Neuroscience</i> , 2019, 22, 425-434.	1.5	79
22	Gestational Stress Leads to Depressive-Like Behavioural and Immunological Changes in the Rat. <i>NeuroImmunoModulation</i> , 2006, 13, 82-88.	0.9	76
23	5-HT _{2B} receptors modulate visceral hypersensitivity in a stress-sensitive animal model of brain-gut axis dysfunction. <i>Neurogastroenterology and Motility</i> , 2010, 22, 573-e124.	1.6	70
24	An isocratic high performance liquid chromatography method for the determination of GABA and glutamate in discrete regions of the rodent brain. <i>Journal of Neuroscience Methods</i> , 2007, 160, 223-230.	1.3	65
25	Gut microbiome patterns depending on children's psychosocial stress: Reports versus biomarkers. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 751-762.	2.0	64
26	The gut microbiota as a key regulator of visceral pain. <i>Pain</i> , 2017, 158, S19-S28.	2.0	63
27	Toll-Like Receptor mRNA Expression Is Selectively Increased in the Colonic Mucosa of Two Animal Models Relevant to Irritable Bowel Syndrome. <i>PLoS ONE</i> , 2009, 4, e8226.	1.1	59
28	Evidence of an enhanced central 5HT response in irritable bowel syndrome and in the rat maternal separation model. <i>Neurogastroenterology and Motility</i> , 2008, 20, 680-688.	1.6	54
29	Irritable Bowel Syndrome and Stress-Related Psychiatric Co-morbidities: Focus on Early Life Stress. <i>Handbook of Experimental Pharmacology</i> , 2017, 239, 219-246.	0.9	52
30	Distinct alterations in motor & reward seeking behavior are dependent on the gestational age of exposure to LPS-induced maternal immune activation. <i>Brain, Behavior, and Immunity</i> , 2017, 63, 21-34.	2.0	49
31	Relevance of anatomy to medical education and clinical practice: perspectives of medical students, clinicians, and educators. <i>Perspectives on Medical Education</i> , 2022, 5, 338-346.	1.8	47
32	The Role of the Gastrointestinal Microbiota in Visceral Pain. <i>Handbook of Experimental Pharmacology</i> , 2017, 239, 269-287.	0.9	47
33	The microbiome and disorders of the central nervous system. <i>Pharmacology Biochemistry and Behavior</i> , 2017, 160, 1-13.	1.3	47
34	Microbiota and Neurodevelopmental Trajectories: Role of Maternal and Early-Life Nutrition. <i>Annals of Nutrition and Metabolism</i> , 2019, 74, 16-27.	1.0	47
35	The enduring effects of early-life stress on the microbiota-gut-brain axis are buffered by dietary supplementation with milk fat globule membrane and a prebiotic blend. <i>European Journal of Neuroscience</i> , 2020, 51, 1042-1058.	1.2	44
36	Dietary phospholipids: Role in cognitive processes across the lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 111, 183-193.	2.9	43

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37	Efavirenz Induces Depressive-Like Behaviour, Increased Stress Response and Changes in the Immune Response in Rats. <i>NeuroImmunoModulation</i> , 2005, 12, 293-298.	0.9	41
38	Early-life stress selectively affects gastrointestinal but not behavioral responses in a genetic model of brain-gut axis dysfunction. <i>Neurogastroenterology and Motility</i> , 2015, 27, 105-113.	1.6	36
39	Convergence of neuro-endocrine-immune pathways in the pathophysiology of irritable bowel syndrome. <i>World Journal of Gastroenterology</i> , 2014, 20, 8846-58.	1.4	36
40	Rodent Models of Colorectal Distension. <i>Current Protocols in Neuroscience</i> , 2012, 61, Unit 9.40.	2.6	35
41	Role of paroxetine in interferon- γ -induced immune and behavioural changes in male Wistar rats. <i>Journal of Psychopharmacology</i> , 2007, 21, 843-850.	2.0	34
42	The microbiome and childhood diseases: Focus on brain-gut axis. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 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. <i>Neuroscience</i> , 2014, 267, 252-262.	1.1	32
44	Association between learning style preferences and anatomy assessment outcomes in graduate-entry and undergraduate medical students. <i>Anatomical Sciences Education</i> , 2016, 9, 391-399.	2.5	31
45	A comparison of embalming fluids on the structures and properties of tissue in human cadavers. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2019, 48, 64-73.	0.3	31
46	Chain reactions: Early-life stress alters the metabolic profile of plasma polyunsaturated fatty acids in adulthood. <i>Behavioural Brain Research</i> , 2009, 205, 319-321.	1.2	30
47	Differential visceral nociceptive, behavioural and neurochemical responses to an immune challenge in the stress-sensitive Wistar Kyoto rat strain. <i>Behavioural Brain Research</i> , 2013, 253, 310-317.	1.2	29
48	A distinct subset of submucosal mast cells undergoes hyperplasia following neonatal maternal separation: a role in visceral hypersensitivity?. <i>Gut</i> , 2009, 58, 1029-1030.	6.1	28
49	Verapamil in treatment resistant depression: a role for the P-glycoprotein transporter?. <i>Human Psychopharmacology</i> , 2009, 24, 217-223.	0.7	28
50	The immune-kynurenine pathway in social anxiety disorder. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 317-326.	2.0	27
51	Estrous cycle influences excitatory amino acid transport and visceral pain sensitivity in the rat: effects of early-life stress. <i>Biology of Sex Differences</i> , 2016, 7, 33.	1.8	26
52	Central serotonergic and noradrenergic receptors in functional dyspepsia. <i>World Journal of Gastroenterology</i> , 2006, 12, 2681.	1.4	24
53	The utility of cadaver-based approaches for the teaching of human anatomy: A survey of British and Irish anatomy teachers. <i>Anatomical Sciences Education</i> , 2017, 10, 137-143.	2.5	22
54	Disodium Cromoglycate Reverses Colonic Visceral Hypersensitivity and Influences Colonic Ion Transport in a Stress-Sensitive Rat Strain. <i>PLoS ONE</i> , 2013, 8, e84718.	1.1	22

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55	Of bowels, brain and behavior: A role for the gut microbiota in psychiatric comorbidities in irritable bowel syndrome. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14095.	1.6	21
56	The effects of gabapentin in two animal models of co-morbid anxiety and visceral hypersensitivity. <i>European Journal of Pharmacology</i> , 2011, 667, 169-174.	1.7	20
57	The antimicrobial capacity of embalming solutions: a comparative study. <i>Journal of Applied Microbiology</i> , 2019, 126, 764-770.	1.4	20
58	Visceral sensitivity modulation by faecal microbiota transplantation: the active role of gut bacteria in pain persistence. <i>Pain</i> , 2022, 163, 861-877.	2.0	17
59	Estrous cycle and ovariectomy-induced changes in visceral pain are microbiota-dependent. <i>IScience</i> , 2021, 24, 102850.	1.9	17
60	Visceral Pain and Psychiatric Disorders. <i>Modern Problems of Pharmacopsychiatry</i> , 2015, 30, 103-119.	2.5	15
61	Identifying a biological signature of prenatal maternal stress. <i>JCI Insight</i> , 2021, 6, .	2.3	15
62	<i>Lactobacillus rhamnosus</i> GG soluble mediators ameliorate early life stress-induced visceral hypersensitivity and changes in spinal cord gene expression. <i>Neuronal Signaling</i> , 2020, 4, NS20200007.	1.7	15
63	Postoperative pain and the gut microbiome. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2021, 10, 100070.	1.0	14
64	Differential visceral pain sensitivity and colonic morphology in four common laboratory rat strains. <i>Experimental Physiology</i> , 2014, 99, 359-367.	0.9	12
65	Sex-dependent activity of the spinal excitatory amino acid transporter: Role of estrous cycle. <i>Neuroscience</i> , 2016, 333, 311-319.	1.1	12
66	Exploring the Impact of the Microbiome on Neuroactive Steroid Levels in Germ-Free Animals. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12551.	1.8	11
67	Assessment of Thiel-Embalmed Cadavers as a Teaching Tool for Oral Anatomy and Local Anesthesia. <i>Journal of Dental Education</i> , 2017, 81, 420-426.	0.7	9
68	Oxidized phospholipids affect small intestine neuromuscular transmission and serotonergic pathways in juvenile mice. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14036.	1.6	9
69	Gut Steroids and Microbiota: Effect of Gonadectomy and Sex. <i>Biomolecules</i> , 2022, 12, 767.	1.8	9
70	Pain Bugs: Gut Microbiota and Pain Disorders. <i>Current Opinion in Physiology</i> , 2019, 11, 97-102.	0.9	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. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 327-338.	2.0	8
72	Sex, pain, and the microbiome: The relationship between baseline gut microbiota composition, gender and somatic pain in healthy individuals. <i>Brain, Behavior, and Immunity</i> , 2022, 104, 191-204.	2.0	8

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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. <i>Neuropharmacology</i> , 2022, 210, 109026.	2.0	7
74	25 Early-Life Dysbiosis Leads to Visceral Hypersensitivity in Adulthood. <i>Gastroenterology</i> , 2010, 138, S-4-S-5.	0.6	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?. <i>Journal of Forensic Radiology and Imaging</i> , 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. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2021, 10, 100072.	1.0	5
78	High and Mighty? Cannabinoids and the microbiome in pain. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2021, 9, 100061.	1.0	4
79	Developing a quantitative method to assess the decomposition of embalmed human cadavers. <i>Forensic Chemistry</i> , 2020, 18, 100235.	1.7	2
80	Brain development in premature infants: A bug in the programming system?. <i>Cell Host and Microbe</i> , 2021, 29, 1477-1479.	5.1	2
81	T1838 Analgesic Effects of 5-HT2B Antagonists in Pre-Clinical Models of Colorectal Pain. <i>Gastroenterology</i> , 2008, 134, A-573-A-574.	0.6	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€œGutâ€œBrain 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?. <i>Gastroenterology</i> , 2008, 134, A-277.	0.6	0
85	T1836 Gabapentin Reverses Colorectal Distension-Induced Visceral Pain Behaviours in Rat Models of Acute and Chronic Visceral Hypersensitivity. <i>Gastroenterology</i> , 2008, 134, A-573.	0.6	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. <i>Gastroenterology</i> , 2009, 136, A-720.	0.6	0
87	W2034 Polyunsaturated Fatty Acids Contribute to the Inflammatory Phenotype in Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2009, 136, A-777.	0.6	0
88	Su2011 Ablation of the Gut Microbiota Ameliorates Antipsychotic-Induced Weight Gain and Associated Metabolic Dysfunction in the Rat. <i>Gastroenterology</i> , 2012, 142, S-559.	0.6	0
89	Sex hormones modulate glutamate reuptake by spinal excitatory amino acid transporters in rat spinal Cord. <i>Frontiers in Neuroscience</i> , 0, 8, .	1.4	0
90	Visceral pain: role of the microbiome-gut-brain axis. <i>Biochemist</i> , 2017, 39, 6-9.	0.2	0