

Siobhain M O Mahony

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

5,966
citations

32
h-index

77
g-index

91
ext. papers

7,035
ext. citations

5.9
avg, IF

6.01
L-index

#	Paper	IF	Citations
81	Serotonin, tryptophan metabolism and the brain-gut-microbiome axis. <i>Behavioural Brain Research</i> , 2015 , 277, 32-48	3.4	907
80	Early life stress alters behavior, immunity, and microbiota in rats: implications for irritable bowel syndrome and psychiatric illnesses. <i>Biological Psychiatry</i> , 2009 , 65, 263-7	7.9	781
79	The microbiome-gut-brain axis: from bowel to behavior. <i>Neurogastroenterology and Motility</i> , 2011 , 23, 187-92	4	555
78	Hypothalamic-pituitary-gut axis dysregulation in irritable bowel syndrome: plasma cytokines as a potential biomarker?. <i>Gastroenterology</i> , 2006 , 130, 304-11	13.3	479
77	Maternal separation as a model of brain-gut axis dysfunction. <i>Psychopharmacology</i> , 2011 , 214, 71-88	4.7	275
76	Gender-dependent consequences of chronic olanzapine in the rat: effects on body weight, inflammatory, metabolic and microbiota parameters. <i>Psychopharmacology</i> , 2012 , 221, 155-69	4.7	191
75	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	3.9	185
74	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, 1788, 1789-94; quiz 1795	0.7	182
73	Stress and the Microbiota-Gut-Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. <i>CNS Neuroscience and Therapeutics</i> , 2016 , 22, 102-17	6.8	178
72	Antipsychotics and the gut microbiome: olanzapine-induced metabolic dysfunction is attenuated by antibiotic administration in the rat. <i>Translational Psychiatry</i> , 2013 , 3, e309	8.6	157
71	Early-life adversity and brain development: Is the microbiome a missing piece of the puzzle?. <i>Neuroscience</i> , 2017 , 342, 37-54	3.9	122
70	Priming for health: gut microbiota acquired in early life regulates physiology, brain and behaviour. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014 , 103, 812-9	3.1	122
69	Microbiota-gut-brain signalling in Parkinson's disease: Implications for non-motor symptoms. <i>Parkinsonism and Related Disorders</i> , 2016 , 27, 1-8	3.6	112
68	Programming Bugs: Microbiota and the Developmental Origins of Brain Health and Disease. <i>Biological Psychiatry</i> , 2019 , 85, 150-163	7.9	101
67	Stress-induced visceral pain: toward animal models of irritable-bowel syndrome and associated comorbidities. <i>Frontiers in Psychiatry</i> , 2015 , 6, 15	5	98
66	Microbiota regulates visceral pain in the mouse. <i>ELife</i> , 2017 , 6,	8.9	78
65	Human preservation techniques in anatomy: A 21st century medical education perspective. <i>Clinical Anatomy</i> , 2015 , 28, 725-34	2.5	72

64	Steroids, stress and the gut microbiome-brain axis. <i>Journal of Neuroendocrinology</i> , 2018 , 30, e12548	3.8	67
63	Gestational stress leads to depressive-like behavioural and immunological changes in the rat. <i>NeuroImmunoModulation</i> , 2006 , 13, 82-8	2.5	67
62	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, 223-30	3	61
61	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	16.6	61
60	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, 573-8, e124	4	57
59	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	3.7	54
58	Neurobehavioural effects of Lactobacillus rhamnosus 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	3.6	49
57	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, 680-8	4	48
56	Gut microbiota composition is associated with temperament traits in infants. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 849-858	16.6	44
55	The gut microbiota as a key regulator of visceral pain. <i>Pain</i> , 2017 , 158 Suppl 1, S19-S28	8	42
54	The microbiome and disorders of the central nervous system. <i>Pharmacology Biochemistry and Behavior</i> , 2017 , 160, 1-13	3.9	39
53	Efavirenz induces depressive-like behaviour, increased stress response and changes in the immune response in rats. <i>NeuroImmunoModulation</i> , 2005 , 12, 293-8	2.5	39
52	The Role of the Gastrointestinal Microbiota in Visceral Pain. <i>Handbook of Experimental Pharmacology</i> , 2017 , 239, 269-287	3.2	34
51	Irritable Bowel Syndrome and Stress-Related Psychiatric Co-morbidities: Focus on Early Life Stress. <i>Handbook of Experimental Pharmacology</i> , 2017 , 239, 219-246	3.2	32
50	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, 105-13	4	32
49	Role of paroxetine in interferon-alpha-induced immune and behavioural changes in male Wistar rats. <i>Journal of Psychopharmacology</i> , 2007 , 21, 843-50	4.6	32
48	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	16.6	30
47	Differential activation of the prefrontal cortex and amygdala following psychological stress and colorectal distension in the maternally separated rat. <i>Neuroscience</i> , 2014 , 267, 252-62	3.9	30

46	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	3.5	30
45	Convergence of neuro-endocrine-immune pathways in the pathophysiology of irritable bowel syndrome. <i>World Journal of Gastroenterology</i> , 2014 , 20, 8846-58	5.6	29
44	Microbiota and Neurodevelopmental Trajectories: Role of Maternal and Early-Life Nutrition. <i>Annals of Nutrition and Metabolism</i> , 2019 , 74 Suppl 2, 16-27	4.5	27
43	The microbiome and childhood diseases: Focus on brain-gut axis. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2015 , 105, 296-313		27
42	Rodent models of colorectal distension. <i>Current Protocols in Neuroscience</i> , 2012 , Chapter 9, Unit 9.40	2.7	27
41	A distinct subset of submucosal mast cells undergoes hyperplasia following neonatal maternal separation: a role in visceral hypersensitivity?. <i>Gut</i> , 2009 , 58, 1029-30; author reply 1030-1	19.2	27
40	Verapamil in treatment resistant depression: a role for the P-glycoprotein transporter?. <i>Human Psychopharmacology</i> , 2009 , 24, 217-23	2.3	27
39	Chain reactions: early-life stress alters the metabolic profile of plasma polyunsaturated fatty acids in adulthood. <i>Behavioural Brain Research</i> , 2009 , 205, 319-21	3.4	27
38	Association between learning style preferences and anatomy assessment outcomes in graduate-entry and undergraduate medical students. <i>Anatomical Sciences Education</i> , 2016 , 9, 391-9	6.8	26
37	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, 310-7	3.4	26
36	Gut microbiome patterns depending on children's psychosocial stress: Reports versus biomarkers. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 751-762	16.6	25
35	Relevance of anatomy to medical education and clinical practice: perspectives of medical students, clinicians, and educators. <i>Perspectives on Medical Education</i> , 2016 , 5, 338-346	4.3	24
34	Central serotonergic and noradrenergic receptors in functional dyspepsia. <i>World Journal of Gastroenterology</i> , 2006 , 12, 2681-7	5.6	22
33	Dietary phospholipids: Role in cognitive processes across the lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 111, 183-193	9	21
32	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	1.1	20
31	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	6.8	18
30	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	9.3	17
29	The effects of gabapentin in two animal models of co-morbid anxiety and visceral hypersensitivity. <i>European Journal of Pharmacology</i> , 2011 , 667, 169-74	5.3	16

28	Disodium cromoglycate reverses colonic visceral hypersensitivity and influences colonic ion transport in a stress-sensitive rat strain. <i>PLoS ONE</i> , 2013 , 8, e84718	3.7	16
27	Visceral Pain and Psychiatric Disorders. <i>Modern Problems of Pharmacopsychiatry</i> , 2015 , 30, 103-19		12
26	Differential visceral pain sensitivity and colonic morphology in four common laboratory rat strains. <i>Experimental Physiology</i> , 2014 , 99, 359-67	2.4	12
25	The antimicrobial capacity of embalming solutions: a comparative study. <i>Journal of Applied Microbiology</i> , 2019 , 126, 764-770	4.7	10
24	Identifying a biological signature of prenatal maternal stress. <i>JCI Insight</i> , 2021 , 6,	9.9	8
23	Oxidized phospholipids affect small intestine neuromuscular transmission and serotonergic pathways in juvenile mice. <i>Neurogastroenterology and Motility</i> , 2021 , 33, e14036	4	6
22	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	4	6
21	Estrous cycle and ovariectomy-induced changes in visceral pain are microbiota-dependent. <i>iScience</i> , 2021 , 24, 102850	6.1	6
20	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	1.6	5
19	25 Early-Life Dysbiosis Leads to Visceral Hypersensitivity in Adulthood. <i>Gastroenterology</i> , 2010 , 138, S-4-535	5.5	5
18	Sex-dependent activity of the spinal excitatory amino acid transporter: Role of estrous cycle. <i>Neuroscience</i> , 2016 , 333, 311-9	3.9	5
17	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	1.3	4
16	GG soluble mediators ameliorate early life stress-induced visceral hypersensitivity and changes in spinal cord gene expression. <i>Neuronal Signaling</i> , 2020 , 4, NS20200007	3.7	4
15	Importance of the Microbiota in Early Life and Influence on Future Health 2016 , 159-184		4
14	Pain Bugs: Gut Microbiota and Pain Disorders. <i>Current Opinion in Physiology</i> , 2019 , 11, 97-102	2.6	3
13	The immune-kynurenine pathway in social anxiety disorder. <i>Brain, Behavior, and Immunity</i> , 2022 , 99, 317-326		2
12	Exploring the Impact of the Microbiome on Neuroactive Steroid Levels in Germ-Free Animals. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
11	High and Mighty? Cannabinoids and the microbiome in pain. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2021 , 9, 100061	4	2

10	Developing a quantitative method to assess the decomposition of embalmed human cadavers. <i>Forensic Chemistry</i> , 2020 , 18, 100235	2.8	1
9			
8	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	16.6	1
7	Postoperative pain and the gut microbiome. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2021 , 10, 100070	4	1
6	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	4	0
5	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	5.5	0
4	Gut Steroids and Microbiota: Effect of Gonadectomy and Sex. <i>Biomolecules</i> , 2022 , 12, 767	5.9	0
3	Brain development in premature infants: A bug in the programming system?. <i>Cell Host and Microbe</i> , 2021 , 29, 1477-1479	23.4	
2	Visceral pain: role of the microbiome-gut-brain axis. <i>Biochemist</i> , 2017 , 39, 6-9	0.5	
1	The Microbiome-Gut-Brain Axis: A New Window to View the Impact of Prenatal Stress on Early Neurodevelopment 2021 , 165-191		