Siobhain M O' Mahony

List of Publications by Year
in descending order

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	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
2	Visceral sensitivity modulation by faecal microbiota transplantation: the active role of gut bacteria in pain persistence. Pain, 2022, 163, 861-877.	4.2	17
3	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
4	The immune-kynurenine pathway in social anxiety disorder. Brain, Behavior, and Immunity, 2022, 99, 317-326.	4.1	27
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. Neuropharmacology, 2022, 210, 109026.	4.1	7
6	Gut Steroids and Microbiota: Effect of Gonadectomy and Sex. Biomolecules, 2022, 12, 767.	4.0	9
7	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
8	Oxidized phospholipids affect small intestine neuromuscular transmission and serotonergic pathways in juvenile mice. Neurogastroenterology and Motility, 2021, 33, e14036.	3.0	9
9	The Microbiome-Gut-Brain Axis: A New Window to View the Impact of Prenatal Stress on Early Neurodevelopment. , 2021, , 165-191.		1
10	Identifying a biological signature of prenatal maternal stress. JCI Insight, 2021, 6, .	5.0	15
11	High and Mighty? Cannabinoids and the microbiome in pain. Neurobiology of Pain (Cambridge, Mass), 2021, 9, 100061.	2.5	4
12	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
13	Estrous cycle and ovariectomy-induced changes in visceral pain are microbiota-dependent. IScience, 2021, 24, 102850.	4.1	17
14	Postoperative pain and the gut microbiome. Neurobiology of Pain (Cambridge, Mass), 2021, 10, 100070.	2.5	14
15	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
16	Brain development in premature infants: A bug in the programming system?. Cell Host and Microbe, 2021, 29, 1477-1479.	11.0	2
17	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
18	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

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19	Dietary phospholipids: Role in cognitive processes across the lifespan. Neuroscience and Biobehavioral Reviews, 2020, 111, 183-193.	6.1	43
20	Developing a quantitative method to assess the decomposition of embalmed human cadavers. Forensic Chemistry, 2020, 18, 100235.	2.8	2
21	<i>Lactobacillus rhamnosus</i> 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
22	Programming Bugs: Microbiota and the Developmental Origins of Brain Health and Disease. Biological Psychiatry, 2019, 85, 150-163.	1.3	146
23	Pain Bugs: Gut Microbiota and Pain Disorders. Current Opinion in Physiology, 2019, 11, 97-102.	1.8	8
24	Microbiota and Neurodevelopmental Trajectories: Role of Maternal and Early-Life Nutrition. Annals of Nutrition and Metabolism, 2019, 74, 16-27.	1.9	47
25	Gut microbiota composition is associated with temperament traits in infants. Brain, Behavior, and Immunity, 2019, 80, 849-858.	4.1	91
26	Gut microbiome patterns depending on childrenâ€™s psychosocial stress: Reports versus biomarkers. Brain, Behavior, and Immunity, 2019, 80, 751-762.	4.1	64
27	The antimicrobial capacity of embalming solutions: a comparative study. Journal of Applied Microbiology, 2019, 126, 764-770.	3.1	20
28	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
29	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. Nutritional Neuroscience, 2019, 22, 425-434.	3.1	79
30	Steroids, stress and the gut microbiomeâ€brain axis. Journal of Neuroendocrinology, 2018, 30, e12548.	2.6	119
31	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
32	Early-life adversity and brain development: Is the microbiome a missing piece of the puzzle?. Neuroscience, 2017, 342, 37-54.	2.3	155
33	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
34	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
35	The gut microbiota as a key regulator of visceral pain. Pain, 2017, 158, S19-S28.	4.2	63
36	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

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37	The Role of the Gastrointestinal Microbiota in Visceral Pain. Handbook of Experimental Pharmacology, 2017, 239, 269-287.	1.8	47
38	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
39	The microbiome and disorders of the central nervous system. Pharmacology Biochemistry and Behavior, 2017, 160, 1-13.	2.9	47
40	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
41	Microbiota regulates visceral pain in the mouse. ELife, 2017, 6, .	6.0	117
42	Visceral pain: role of the microbiome-gut-brain axis. Biochemist, 2017, 39, 6-9.	0.5	0
43	Importance of the Microbiota in Early Life and Influence on Future Health. , 2016, , 159-184.		5
44	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
45	Sex-dependent activity of the spinal excitatory amino acid transporter: Role of estrous cycle. Neuroscience, 2016, 333, 311-319.	2.3	12
46	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
47	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
48	Microbiota-gut-brain signalling in Parkinson's disease: Implications for non-motor symptoms. Parkinsonism and Related Disorders, 2016, 27, 1-8.	2.2	148
49	Stress and the Microbiotaâ€"Gutâ€"Brain Axis in Visceral Pain: Relevance to Irritable Bowel Syndrome. , 2016, 22, 102.		1
50	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
51	Human preservation techniques in anatomy: A 21st century medical education perspective. Clinical Anatomy, 2015, 28, 725-734.	2.7	107
52	Visceral Pain and Psychiatric Disorders. Modern Problems of Pharmacopsychiatry, 2015, 30, 103-119.	2.5	15
53	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
54	Stress-Induced Visceral Pain: Toward Animal Models of Irritable-Bowel Syndrome and Associated Comorbidities. Frontiers in Psychiatry, 2015, 6, 15.	2.6	118

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55	Serotonin, tryptophan metabolism and the brain-gut-microbiome axis. Behavioural Brain Research, 2015, 277, 32-48.	2.2	1,320
56	Differential visceral pain sensitivity and colonic morphology in four common laboratory rat strains. Experimental Physiology, 2014, 99, 359-367.	2.0	12
57	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
58	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
59	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
60	Convergence of neuro-endocrine-immune pathways in the pathophysiology of irritable bowel syndrome. World Journal of Gastroenterology, 2014, 20, 8846-58.	3.3	36
61	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
62	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
63	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
64	Rodent Models of Colorectal Distension. Current Protocols in Neuroscience, 2012, 61, Unit 9.40.	2.6	35
65	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
66	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
67	The microbiome-gut-brain axis: from bowel to behavior. Neurogastroenterology and Motility, 2011, 23, 187-192.	3.0	741
68	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
69	Maternal separation as a model of brainâ€"gut axis dysfunction. Psychopharmacology, 2011, 214, 71-88.	3.1	339
70	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
71	25 Early-Life Dysbiosis Leads to Visceral Hypersensitivity in Adulthood. Gastroenterology, 2010, 138, S-4-S-5.	1.3	5
72	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

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73	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
74	Verapamil in treatment resistant depression: a role for the Pâ€glycoprotein transporter?. Human Psychopharmacology, 2009, 24, 217-223.	1.5	28
75	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
76	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
77	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
78	W2034 Polyunsaturated Fatty Acids Contribute to the Inflammatory Phenotype in Irritable Bowel Syndrome. Gastroenterology, 2009, 136, A-777.	1.3	0
79	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
80	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
81	S1823 Do Mast Cells Contribute to Visceral Hypersensitivity in Adult Rats Following Neonatal Psychological Stress?. Gastroenterology, 2008, 134, A-277.	1.3	0
82	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
83	T1838 Analgesic Effects of 5-HT2B Antagonists in Pre-Clinical Models of Colorectal Pain. Gastroenterology, 2008, 134, A-573-A-574.	1.3	1
84	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
85	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
86	Hypothalamic-Pituitary-Gut Axis Dysregulation in Irritable Bowel Syndrome: Plasma Cytokines as a Potential Biomarker?. Gastroenterology, 2006, 130, 304-311.	1.3	544
87	Gestational Stress Leads to Depressive-Like Behavioural and Immunological Changes in the Rat. NeuroImmunoModulation, 2006, 13, 82-88.	1.8	76
88	Central serotonergic and noradrenergic receptors in functional dyspepsia. World Journal of Gastroenterology, 2006, 12, 2681.	3.3	24
89	Efavirenz Induces Depressive-Like Behaviour, Increased Stress Response and Changes in the Immune Response in Rats. NeuroImmunoModulation, 2005, 12, 293-298.	1.8	41
90	Sex hormones modulate glutamate reuptake by spinal excitatory amino acid transporters in rat spinal Cord. Frontiers in Neuroscience, 0, 8, .	2.8	0