

Patrick O McGowan

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

5,717
citations

257450

24
h-index

189892

50
g-index

60
all docs

60
docs citations

60
times ranked

6344
citing authors

#	ARTICLE	IF	CITATIONS
1	Epigenetic regulation of the glucocorticoid receptor in human brain associates with childhood abuse. <i>Nature Neuroscience</i> , 2009, 12, 342-348.	14.8	3,035
2	Broad Epigenetic Signature of Maternal Care in the Brain of Adult Rats. <i>PLoS ONE</i> , 2011, 6, e14739.	2.5	406
3	Promoter-Wide Hypermethylation of the Ribosomal RNA Gene Promoter in the Suicide Brain. <i>PLoS ONE</i> , 2008, 3, e2085.	2.5	339
4	Conserved epigenetic sensitivity to early life experience in the rat and human hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17266-17272.	7.1	285
5	Maternal adversity and ecological stressors in natural populations: the role of stress axis programming in individuals, with implications for populations and communities. <i>Functional Ecology</i> , 2013, 27, 81-92.	3.6	173
6	Perinatal high fat diet alters glucocorticoid signaling and anxiety behavior in adulthood. <i>Neuroscience</i> , 2013, 240, 1-12.	2.3	161
7	Prenatal Stress, Glucocorticoids, and Developmental Programming of the Stress Response. <i>Endocrinology</i> , 2018, 159, 69-82.	2.8	156
8	Maternal high-fat diet alters anxiety behavior and glucocorticoid signaling in adolescent offspring. <i>Neuroscience</i> , 2014, 272, 92-101.	2.3	95
9	Programming of stress-related behavior and epigenetic neural gene regulation in mice offspring through maternal exposure to predator odor. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 145.	2.0	81
10	Chronic high fat feeding increases anxiety-like behaviour and reduces transcript abundance of glucocorticoid signalling genes in the hippocampus of female rats. <i>Behavioural Brain Research</i> , 2015, 286, 265-270.	2.2	73
11	Epigenomic Mechanisms of Early Adversity and HPA Dysfunction: Considerations for PTSD Research. <i>Frontiers in Psychiatry</i> , 2013, 4, 110.	2.6	64
12	The Neurological Ecology of Fear: Insights Neuroscientists and Ecologists Have to Offer one Another. <i>Frontiers in Behavioral Neuroscience</i> , 2010, 4, 21.	2.0	56
13	Developmental programming of the HPA axis and related behaviours: epigenetic mechanisms. <i>Journal of Endocrinology</i> , 2019, 242, T69-T79.	2.6	52
14	Within- and between-litter maternal care alter behavior and gene regulation in female offspring. <i>Behavioral Neuroscience</i> , 2014, 128, 736-748.	1.2	50
15	Epigenetic pathways through which experiences become linked with biology. <i>Development and Psychopathology</i> , 2015, 27, 637-648.	2.3	50
16	Epigenetic modifications and glucocorticoid sensitivity in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS). <i>BMC Medical Genomics</i> , 2017, 10, 11.	1.5	50
17	Epigenetic impacts of stress priming of the neuroinflammatory response to sarin surrogate in mice: a model of Gulf War illness. <i>Journal of Neuroinflammation</i> , 2018, 15, 86.	7.2	47
18	Maternal programming of sex-specific responses to predator odor stress in adult rats. <i>Hormones and Behavior</i> , 2017, 94, 1-12.	2.1	44

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19	DNA Methylation Modifications Associated with Chronic Fatigue Syndrome. <i>PLoS ONE</i> , 2014, 9, e104757.	2.5	44
20	Parent-offspring transaction: Mechanisms and the value of within family designs. <i>Hormones and Behavior</i> , 2016, 77, 53-61.	2.1	40
21	Impaired social recognition memory in recombination activating gene 1-deficient mice. <i>Brain Research</i> , 2011, 1383, 187-195.	2.2	37
22	Comparison of methods for pre-processing, exosome isolation, and RNA extraction in unpasteurized bovine and human milk. <i>PLoS ONE</i> , 2021, 16, e0257633.	2.5	37
23	Biological embedding in mental health: An epigenomic perspective. <i>Biochemistry and Cell Biology</i> , 2013, 91, 14-21.	2.0	34
24	Perinatal high fat diet induces early activation of endocrine stress responsivity and anxiety-like behavior in neonates. <i>Psychoneuroendocrinology</i> , 2018, 98, 11-21.	2.7	30
25	Genome-epigenome interactions associated with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. <i>Epigenetics</i> , 2018, 13, 1174-1190.	2.7	28
26	Cocaine exposure prior to pregnancy alters the psychomotor response to cocaine and transcriptional regulation of the dopamine D1 receptor in adult male offspring. <i>Behavioural Brain Research</i> , 2014, 265, 163-170.	2.2	21
27	Integration of DNA methylation & health scores identifies subtypes in myalgic encephalomyelitis/chronic fatigue syndrome. <i>Epigenomics</i> , 2018, 10, 539-557.	2.1	21
28	Maternal effects in mammals: Broadening our understanding of offspring programming. <i>Frontiers in Neuroendocrinology</i> , 2021, 62, 100924.	5.2	20
29	Impact of high predation risk on genome-wide hippocampal gene expression in snowshoe hares. <i>Oecologia</i> , 2014, 176, 613-624.	2.0	19
30	Extremely Low Birth Weight and Accelerated Biological Aging. <i>Pediatrics</i> , 2021, 147, .	2.1	19
31	Maternal high-fat diet induces sex-specific changes to glucocorticoid and inflammatory signaling in response to corticosterone and lipopolysaccharide challenge in adult rat offspring. <i>Journal of Neuroinflammation</i> , 2020, 17, 116.	7.2	15
32	Adaptation or pathology? The role of prenatal stressor type and intensity in the developmental programming of adult phenotype. <i>Neurotoxicology and Teratology</i> , 2018, 66, 113-124.	2.4	13
33	Maternal predator odour exposure programs metabolic responses in adult offspring. <i>Scientific Reports</i> , 2018, 8, 8077.	3.3	13
34	Epigenetic Clues to the Biological Embedding of Early Life Adversity. <i>Biological Psychiatry</i> , 2012, 72, 4-5.	1.3	12
35	Maternal Predator Odor Exposure in Mice Programs Adult Offspring Social Behavior and Increases Stress-Induced Behaviors in Semi-Naturalistic and Commonly-Used Laboratory Tasks. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 136.	2.0	12
36	DNA methylation profiles in the blood of newborn term infants born to mothers with obesity. <i>PLoS ONE</i> , 2022, 17, e0267946.	2.5	11

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37	Epigenetic Mechanisms of Perinatal Programming: Translational Approaches from Rodent to Human and Back. <i>Advances in Neurobiology</i> , 2015, 10, 363-380.	1.8	7
38	Both maternal care received and genotype influence stress-related phenotype in female rats. <i>Developmental Psychobiology</i> , 2018, 60, 889-902.	1.6	7
39	The role of interindividual licking received and dopamine genotype on later-life licking provisioning in female rat offspring. <i>Brain and Behavior</i> , 2021, 11, e02069.	2.2	7
40	Maternal BMI, breastfeeding and perinatal factors that influence early childhood growth trajectories: a scoping review. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 541-549.	1.4	7
41	A study of the effects of maternal high fat diet on behavioural responses to acute and repeated administrations of cocaine in rat offspring. <i>Neuroscience Letters</i> , 2018, 673, 157-162.	2.1	6
42	Inter-individual maternal care received and genotype interactions affect dopaminergic phenotypes in female rat offspring. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12706.	2.6	6
43	Perinatal high-fat diet impairs pup retrieval and induces sex-specific changes in ultrasonic vocalization characteristics of rat pups. <i>Developmental Psychobiology</i> , 2020, 62, 436-445.	1.6	6
44	Beyond maternal care: The effects of extra-maternal influences within the maternal environment on offspring neurodevelopment and later-life behavior. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 127, 492-501.	6.1	6
45	The epigenetic landscape of myalgic encephalomyelitis/chronic fatigue syndrome: deciphering complex phenotypes. <i>Epigenomics</i> , 2017, 9, 1337-1340.	2.1	4
46	Non-nutritive bioactive components in maternal milk and offspring development: a scoping review. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 665-673.	1.4	4
47	Cumulative risks predict epigenetic age in adult survivors of extremely low birth weight. <i>Developmental Psychobiology</i> , 2021, 63, e22222.	1.6	4
48	Impacts of Maternal High-Fat Diet on Stress-Related Behaviour and the Endocrine Response to Stress in Offspring. , 2017, , 213-225.		2
49	DNA methylation profiles in adults born at extremely low birth weight. <i>Development and Psychopathology</i> , 2022, 34, 19-36.	2.3	2
50	The Social Environment and Epigenetics in Psychiatry. , 2014, , 547-562.		1
51	Early life variations in temperature exposure affect the epigenetic regulation of the paraventricular nucleus in female rat pups. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201991.	2.6	1
52	Gestational Stress and Parenting: A Review of Human and Animal Literature. , 2021, , 317-346.		1
53	Sex-specific maternal programming of corticosteroid-binding globulin by predator odour. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211908.	2.6	1
54	The Effect of Maternal Overnutrition on Reward and Anxiety in Offspring. , 2016, , 187-200.		0

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55	Combined exposure to maternal high-fat diet and neonatal lipopolysaccharide disrupts stress-related signaling but normalizes spatial memory in juvenile rats. <i>Brain, Behavior, and Immunity</i> , 2022, 102, 299-311.	4.1	0