

Chris A Murgatroyd

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

4,072
citations

159585

30
h-index

118850

62
g-index

85
all docs

85
docs citations

85
times ranked

5578
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic DNA methylation programs persistent adverse effects of early-life stress. <i>Nature Neuroscience</i> , 2009, 12, 1559-1566.	14.8	1,066
2	Human Skeletal Muscle Possesses an Epigenetic Memory of Hypertrophy. <i>Scientific Reports</i> , 2018, 8, 1898.	3.3	204
3	Candidate genes of anxiety-related behavior in HAB/LAB rats and mice: Focus on vasopressin and glyoxalase-I. <i>Neuroscience and Biobehavioral Reviews</i> , 2007, 31, 89-102.	6.1	167
4	Neuroinflammation in mild cognitive impairment and Alzheimer's disease: A meta-analysis. <i>Ageing Research Reviews</i> , 2019, 50, 1-8.	10.9	164
5	Effects of prenatal and postnatal depression, and maternal stroking, at the glucocorticoid receptor gene. <i>Translational Psychiatry</i> , 2015, 5, e560-e560.	4.8	142
6	Impaired Repression at a Vasopressin Promoter Polymorphism Underlies Overexpression of Vasopressin in a Rat Model of Trait Anxiety. <i>Journal of Neuroscience</i> , 2004, 24, 7762-7770.	3.6	137
7	Epigenetics of Early Child Development. <i>Frontiers in Psychiatry</i> , 2011, 2, 16.	2.6	136
8	In vivo cholinergic basal forebrain atrophy predicts cognitive decline in de novo Parkinson's disease. <i>Brain</i> , 2018, 141, 165-176.	7.6	135
9	Epigenetic programming of the HPA axis: Early life decides. <i>Stress</i> , 2011, 14, 581-589.	1.8	121
10	Epigenetic alterations following early postnatal stress: a review on novel aetiological mechanisms of common psychiatric disorders. <i>Clinical Epigenetics</i> , 2015, 7, 122.	4.1	117
11	An anti-inflammatory diet as a potential intervention for depressive disorders: A systematic review and meta-analysis. <i>Clinical Nutrition</i> , 2019, 38, 2045-2052.	5.0	110
12	Genes learn from stress: How infantile trauma programs us for depression. <i>Epigenetics</i> , 2010, 5, 194-199.	2.7	104
13	Effects of early life social stress on maternal behavior and neuroendocrinology. <i>Psychoneuroendocrinology</i> , 2013, 38, 219-228.	2.7	93
14	An investigation of visual hallucinosis and visual sensory status in dementia. <i>International Journal of Geriatric Psychiatry</i> , 2001, 16, 709-713.	2.7	69
15	Sex differences in brain epigenetics. <i>Epigenomics</i> , 2010, 2, 807-821.	2.1	69
16	Early life social stress induced changes in depression and anxiety associated neural pathways which are correlated with impaired maternal care. <i>Neuropeptides</i> , 2015, 52, 103-111.	2.2	62
17	Epigenetic Programming by Early-Life Stress. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 157, 133-150.	1.7	61
18	A Hypomorphic Vasopressin Allele Prevents Anxiety-Related Behavior. <i>PLoS ONE</i> , 2009, 4, e5129.	2.5	56

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19	The Janus face of DNA methylation in aging. <i>Aging</i> , 2010, 2, 107-110.	3.1	54
20	Early life trauma, depression and the glucocorticoid receptor gene α an epigenetic perspective. <i>Psychological Medicine</i> , 2015, 45, 3393-3410.	4.5	51
21	Dysregulation of C-X-C motif ligand 10 during aging and association with cognitive performance. <i>Neurobiology of Aging</i> , 2018, 63, 54-64.	3.1	47
22	Association between osteocalcin and cognitive performance in healthy older adults. <i>Age and Ageing</i> , 2016, 45, 844-849.	1.6	46
23	Social stress during lactation, depressed maternal care, and neuropeptidergic gene expression. <i>Behavioural Pharmacology</i> , 2015, 26, 642-653.	1.7	43
24	Sex differences in the effects of 12-weeks sprint interval training on body fat mass and the rates of fatty acid oxidation and VO_{2max} during exercise. <i>BMJ Open Sport and Exercise Medicine</i> , 2016, 2, e000056.	2.9	41
25	Discrimination exposure and DNA methylation of stress-related genes in Latina mothers. <i>Psychoneuroendocrinology</i> , 2018, 98, 131-138.	2.7	41
26	Genetic Variation in the Epigenetic Machinery and Mental Health. <i>Current Psychiatry Reports</i> , 2012, 14, 138-149.	4.5	39
27	Polycomb Binding Precedes Early-Life Stress Responsive DNA Methylation at the Avp Enhancer. <i>PLoS ONE</i> , 2014, 9, e90277.	2.5	38
28	Diabetes insipidus and, partially, low anxiety-related behaviour are linked to a SNP-associated vasopressin deficit in LAB mice. <i>European Journal of Neuroscience</i> , 2007, 26, 2857-2864.	2.6	34
29	Investigating the Glycating Effects of Glucose, Glyoxal and Methylglyoxal on Human Sperm. <i>Scientific Reports</i> , 2018, 8, 9002.	3.3	33
30	Mutation screening in exons 3 and 4 of α -synuclein in sporadic Parkinson's and sporadic and familial dementia with Lewy bodies cases. <i>NeuroReport</i> , 1998, 9, 3925-3927.	1.2	31
31	The role of maternal care in shaping CNS function. <i>Neuropeptides</i> , 2013, 47, 371-378.	2.2	31
32	Differential Regulation and Function of 5'-Untranslated GR-Exon 1 Transcripts. <i>Molecular Endocrinology</i> , 2011, 25, 1100-1110.	3.7	30
33	Prevalence and risk factors for painful diabetic neuropathy in secondary healthcare in Qatar. <i>Journal of Diabetes Investigation</i> , 2019, 10, 1558-1564.	2.4	30
34	Circulating levels of dickkopf-1, osteoprotegerin and sclerostin are higher in old compared with young men and women and positively associated with whole-body bone mineral density in older adults. <i>Osteoporosis International</i> , 2017, 28, 2683-2689.	3.1	27
35	Prevalence and management of diabetic neuropathy in secondary care in Qatar. <i>Diabetes/Metabolism Research and Reviews</i> , 2020, 36, e3286.	4.0	26
36	The Regulation of Monoamine Oxidase A Gene Expression by Distinct Variable Number Tandem Repeats. <i>Journal of Molecular Neuroscience</i> , 2018, 64, 459-470.	2.3	24

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37	Effects of exercise on adolescent and adult hypothalamic and hippocampal neuroinflammation. <i>Hippocampus</i> , 2016, 26, 1435-1446.	1.9	22
38	Intergenerational accumulation of impairments in maternal behavior following postnatal social stress. <i>Psychoneuroendocrinology</i> , 2017, 82, 98-106.	2.7	22
39	Peripartum depression and anxiety as an integrative cross domain target for psychiatric preventative measures. <i>Behavioural Brain Research</i> , 2015, 276, 32-44.	2.2	21
40	Effects of Chronic Social Stress and Maternal Intranasal Oxytocin and Vasopressin on Offspring Interferon- β and Behavior. <i>Frontiers in Endocrinology</i> , 2016, 7, 155.	3.5	21
41	Dysregulation of BDNF in Prefrontal Cortex in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 1089-1097.	2.6	20
42	Pregnancy associated epigenetic markers of inflammation predict depression and anxiety symptoms in response to discrimination. <i>Neurobiology of Stress</i> , 2020, 13, 100273.	4.0	20
43	Associations of sperm telomere length with semen parameters, clinical outcomes and lifestyle factors in human normozoospermic samples. <i>Andrology</i> , 2020, 8, 583-593.	3.5	19
44	A meta-analysis of peripheral tocopherol levels in age-related cognitive decline and Alzheimer's disease. <i>Nutritional Neuroscience</i> , 2021, 24, 795-809.	3.1	18
45	Prevalence and risk factors for diabetic neuropathy and painful diabetic neuropathy in primary and secondary healthcare in Qatar. <i>Journal of Diabetes Investigation</i> , 2021, 12, 592-600.	2.4	17
46	Epigenetic programming of neuroendocrine systems during early life. <i>Experimental Physiology</i> , 2014, 99, 62-65.	2.0	16
47	Brain Reward Pathway Dysfunction in Maternal Depression and Addiction: A Present and Future Transgenerational Risk. <i>Journal of Reward Deficiency Syndrome</i> , 2015, 01, 105-116.	1.0	16
48	Biopsychosocial correlates of psychological distress in Latina mothers. <i>Journal of Affective Disorders</i> , 2021, 282, 617-626.	4.1	15
49	Acculturative stress, telomere length, and postpartum depression in Latinx mothers. <i>Journal of Psychiatric Research</i> , 2022, 147, 301-306.	3.1	14
50	Simultaneous DNA and RNA isolation from brain punches for epigenetics. <i>BMC Research Notes</i> , 2011, 4, 314.	1.4	13
51	In Vivo ChIP for the Analysis of Microdissected Tissue Samples. <i>Methods in Molecular Biology</i> , 2012, 809, 135-148.	0.9	13
52	Transgenerational Social Stress, Immune Factors, Hormones, and Social Behavior. <i>Frontiers in Ecology and Evolution</i> , 2016, 3, .	2.2	13
53	Mismatched Prenatal and Postnatal Maternal Depressive Symptoms and Child Behaviours: A Sex-Dependent Role for NR3C1 DNA Methylation in the Wirral Child Health and Development Study. <i>Cells</i> , 2019, 8, 943.	4.1	12
54	The lymphocyte secretome from young adults enhances skeletal muscle proliferation and migration, but effects are attenuated in the secretome of older adults. <i>Physiological Reports</i> , 2015, 3, e12518.	1.7	10

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55	Histone tales: echoes from the past, prospects for the future. <i>Genome Biology</i> , 2010, 11, 105.	9.6	9
56	Regulation of interleukin 6 by a polymorphic CpG within the frontal cortex in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020, 92, 75-81.	3.1	9
57	Isolation of high-quality DNA for genotyping from feces of rodents. <i>Analytical Biochemistry</i> , 2006, 348, 160-162.	2.4	7
58	DNA methylation patterns respond to thermal stress in the viviparous cockroach <i>Diploptera punctata</i> . <i>Epigenetics</i> , 2021, 16, 313-326.	2.7	7
59	Epigenetic Regulation of BMAL1 with Sleep Disturbances and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 1783-1792.	2.6	7
60	Maternal social environment affects offspring cognition through behavioural and immune pathways in rats. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12711.	2.6	6
61	The Prospective Study of Epigenetic Regulatory Profiles in Sport and Exercise Monitored Through Chromosome Conformation Signatures. <i>Genes</i> , 2020, 11, 905.	2.4	6
62	The marker of alkyl DNA base damage, N7-methylguanine, is associated with semen quality in men. <i>Scientific Reports</i> , 2021, 11, 3121.	3.3	5
63	The anxiety and ethanol intake controlling GAL5.1 enhancer is epigenetically modulated by, and controls preference for, high-fat diet. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3045-3055.	5.4	4
64	Superior Frontal Gyrus TOMM40-APOE Locus DNA Methylation in Alzheimer's Disease. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 275-282.	2.2	4
65	Translational Animal Models for the Study of Epigenetics and the Environment. , 2016, , 207-229.		3
66	Distinct chromatin structures at the monoamine oxidase-A promoter correlate with allele-specific expression in SH-SY5Y cells. <i>Genes, Brain and Behavior</i> , 2019, 18, e12483.	2.2	3
67	Intergenerational changes in hippocampal transcription in an animal model of maternal depression. <i>European Journal of Neuroscience</i> , 2022, 55, 2242-2252.	2.6	3
68	Oxytocin modulates sensitivity to acculturation and discrimination stress in pregnancy. <i>Psychoneuroendocrinology</i> , 2022, 141, 105769.	2.7	3
69	Laboratory Techniques in Psychiatric Epigenetics. , 2014, , 129-162.		1
70	Epigenetic Changes in the Immune Systems Following Early-Life Stress. , 2018, , 325-338.		1
71	Association of interleukin-6 rs1800796 polymorphism with reduced cognitive performance in healthy older adults. <i>Meta Gene</i> , 2019, 19, 51-55.	0.6	1
72	Novel Methods for Accurate Identification, Isolation, and Genomic Analysis of Symptomatic Microenvironments in Atherosclerotic Arteries. <i>Methods in Molecular Biology</i> , 2014, 1135, 289-305.	0.9	1

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73	Epigenetic Modifications of Early-Life Stress and Adult Life Psychopathology. Agents and Actions Supplements, 2020, , 33-48.	0.2	1
74	Introduction to the Special Issue Historical Medical Genetics: Skeletal Disorders. Gene, 2013, 528, 1.	2.2	0
75	Editorial to the Special Issue Historical Medical Genetics II. Gene, 2015, 555, 1.	2.2	0
76	Laboratory techniques in psychiatric epigenetics. , 2021, , 197-231.		0
77	Biophysical and Molecular Targets. , 2014, , 335-343.		0
78	Protocol for Multiplex Amplicon Sequencing Using Barcoded Primers. , 2015, , 427-438.		0
79	Reverse Transcription Real-Time PCR Protocol for Gene Expression Analyses. , 2015, , 363-372.		0
80	Maternal overnutrition programs hypothalamic neuropeptides and metabolic syndrome in offspring. Endocrine Abstracts, 0, , .	0.0	0