Michael J Meaney

List of Publications by Year
in descending order

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129 papers	14,163 citations	66315 42 h-index	20343 116 g-index

136 all docs	136 docs citations	136 times ranked	13638 citing authors

#	Article	IF	Citations
1	Preschoolersâ€™ emotion reactivity and regulation: Links with maternal psychological distress and child behavior problems. Development and Psychopathology, 2023, 35, 1079-1091.	1.4	5
2	Low socioeconomic status, parental stress, depression, and the buffering role of network social capital in mothers. Journal of Mental Health, 2022, 31, 340-347.	1.0	12
3	Maternal Prenatal Anxiety and the Fetal Origins of Epigenetic Aging. Biological Psychiatry, 2022, 91, 303-312.	0.7	29
4	Combined polygenic risk scores of different psychiatric traits predict general and specific psychopathology in childhood. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2022, 63, 636-645.	3.1	14
5	Diminished insulin sensitivity is associated with altered brain activation to food cues and with risk for obesity â€“ Implications for individuals born small for gestational age. Appetite, 2022, 169, 105799.	1.8	4
6	Oxytocin receptor expression and epigenetic regulation in the anterior cingulate cortex of individuals with a history of severe childhood abuse. Psychoneuroendocrinology, 2022, 136, 105600.	1.3	9
7	Cortisol trajectories measured prospectively across thirty years of female development following exposure to childhood sexual abuse: Moderation by epigenetic age acceleration at midlife. Psychoneuroendocrinology, 2022, 136, 105606.	1.3	8
8	Interactions between a polygenic risk score for plasma docosahexaenoic fatty acid concentration, eating behaviour, and body composition in children. International Journal of Obesity, 2022, , .	1.6	0
9	Reply to: Crossing the â€œBirth Borderâ€•for Epigenetic Effects. Biological Psychiatry, 2022, 92, e25-e26.	0.7	1
10	Corticolimbic DCC gene co-expression networks as predictors of impulsivity in children. Molecular Psychiatry, 2022, 27, 2742-2750.	4.1	10
11	Structure-function coupling within the reward network in preschool children predicts executive functioning in later childhood. Developmental Cognitive Neuroscience, 2022, 55, 101107.	1.9	10
12	Translating the Biology of Adversity and Resilience Into New Measures for Pediatric Practice. Pediatrics, 2022, 149, .	1.0	15
13	Obesity and accelerated epigenetic aging in a high-risk cohort of children. Scientific Reports, 2022, 12, 8328.	1.6	14
14	Sleep terrors in early childhood and associated emotionalâ€“behavioral problems. Journal of Clinical Sleep Medicine, 2022, 18, 2253-2260.	1.4	3
15	Regulation of impulsive and aggressive behaviours by a novel lncRNA. Molecular Psychiatry, 2021, 26, 3751-3764.	4.1	24
16	Maternal Prenatal Mood, Pregnancy-Specific Worries, and Early Child Psychopathology: Findings From the DREAM BIG Consortium. Journal of the American Academy of Child and Adolescent Psychiatry, 2021, 60, 186-197.	0.3	40
17	Epigenetic Age Acceleration and Risk for Posttraumatic Stress Disorder following Exposure to Substantiated Child Maltreatment. Journal of Clinical Child and Adolescent Psychology, 2021, , 1-11.	2.2	8
18	Dopamine D4 receptor gene polymorphism (DRD4 VNTR) moderates real-world behavioural response to the food retail environment in children. BMC Public Health, 2021, 21, 145.	1.2	7

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19	Maternal Distress and Offspring Neurodevelopment: Challenges and Opportunities for Pre-clinical Research Models. Frontiers in Human Neuroscience, 2021, 15, 635304.	1.0	19
20	Internalizing symptoms associate with the pace of epigenetic aging in childhood. Biological Psychology, 2021, 159, 108021.	1.1	13
21	DCC gene network in the prefrontal cortex is associated with total brain volume in childhood. Journal of Psychiatry and Neuroscience, 2021, 46, E154-E163.	1.4	8
22	Salivary cytokine cluster moderates the association between caregivers perceived stress and emotional functioning in youth. Brain, Behavior, and Immunity, 2021, 94, 125-137.	2.0	6
23	Prefrontal cortex VAMP1 gene network moderates the effect of the early environment on cognitive flexibility in children. Neurobiology of Learning and Memory, 2021, 185, 107509.	1.0	10
24	Change of pace: How developmental tempo varies to accommodate failed provision of early needs. Neuroscience and Biobehavioral Reviews, 2021, 131, 120-134.	2.9	18
25	Cognitive Development and Brain Gray Matter Susceptibility to Prenatal Adversities: Moderation by the Prefrontal Cortex Brain-Derived Neurotrophic Factor Gene Co-expression Network. Frontiers in Neuroscience, 2021, 15, 744743.	1.4	7
26	Does social capital moderate the association between children's emotional overeating and parental stress? A cross-sectional study of the stress-buffering hypothesis in a sample of mother-child dyads. Social Science and Medicine, 2020, 257, 112082.	1.8	13
27	Brain-Derived Neurotrophic Factor in the Nucleus Accumbens Mediates Individual Differences in Behavioral Responses to a Natural, Social Reward. Molecular Neurobiology, 2020, 57, 290-301.	1.9	9
28	Positive Maternal Mental Health, Parenting, and Child Development. Biological Psychiatry, 2020, 87, 328-337.	0.7	55
29	Multiple modifiable lifestyle factors and the risk of perinatal depression during pregnancy: Findings from the GUSTO cohort. Comprehensive Psychiatry, 2020, 103, 152210.	1.5	9
30	Reflections on Bruce S. McEwenâ€™s contributions to stress neurobiology and so much more. Stress, 2020, 23, 499-508.	0.8	7
31	Is breastfeeding associated with later child eating behaviours?. Appetite, 2020, 150, 104653.	1.8	15
32	Amygdala 5-HTT Gene Network Moderates the Effects of Postnatal Adversity on Attention Problems: Anatomo-Functional Correlation and Epigenetic Changes. Frontiers in Neuroscience, 2020, 14, 198.	1.4	14
33	Eating behaviors moderate the associations between risk factors in the first 1000 days and adiposity outcomes at 6 years of age. American Journal of Clinical Nutrition, 2020, 111, 997-1006.	2.2	27
34	Epigenetics, Development, and Psychopathology. Annual Review of Clinical Psychology, 2020, 16, 327-350.	6.3	38
35	Genetically predicted gene expression of prefrontal DRD4 gene and the differential susceptibility to childhood emotional eating in response to positive environment. Appetite, 2020, 148, 104594.	1.8	12
36	Maternal antenatal depression and child mental health: Moderation by genomic risk for attention-deficit/hyperactivity disorder. Development and Psychopathology, 2020, 32, 1810-1821.	1.4	12

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37	Prospective associations between parental feeding practices and children's oral processing behaviours. Maternal and Child Nutrition, 2019, 15, e12635.	1.4	19
38	Multidimensional Predictors of Susceptibility and Resilience to Social Defeat Stress. Biological Psychiatry, 2019, 86, 483-491.	0.7	64
39	Gene expression profiling of single cells from archival tissue with laser-capture microdissection and Smart-3SEQ. Genome Research, 2019, 29, 1816-1825.	2.4	102
40	General psychopathology, internalising and externalising in children and functional outcomes in late adolescence. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2019, 60, 1183-1190.	3.1	45
41	A biologically-informed polygenic score identifies endophenotypes and clinical conditions associated with the insulin receptor function on specific brain regions. EBioMedicine, 2019, 42, 188-202.	2.7	45
42	Randomised controlled trial of dexmedetomidine sedation vs general anaesthesia for inguinal hernia surgery on perioperative outcomes in infants. British Journal of Anaesthesia, 2019, 122, 662-670.	1.5	20
43	Associations between inhibitory control, eating behaviours and adiposity in 6-year-old children. International Journal of Obesity, 2019, 43, 1344-1353.	1.6	23
44	A Role of Oxytocin Receptor Gene Brain Tissue Expression Quantitative Trait Locus rs237895 in the Intergenerational Transmission of the Effects of Maternal Childhood Maltreatment. Journal of the American Academy of Child and Adolescent Psychiatry, 2019, 58, 1207-1216.	0.3	15
45	Prefrontal Cortex Dopamine Transporter Gene Network Moderates the Effect of Perinatal Hypoxic-Ischemic Conditions on Cognitive Flexibility and Brain Gray Matter Density in Children. Biological Psychiatry, 2019, 86, 621-630.	0.7	24
46	Early environmental influences on the development of children's brain structure and function. Developmental Medicine and Child Neurology, 2019, 61, 1127-1133.	1.1	173
47	Association Between Repeated Episodes of Gastroenteritis and Mental Health Problems in Childhood and Adolescence. Journal of the American Academy of Child and Adolescent Psychiatry, 2019, 58, 1115-1123.	0.3	2
48	Dynamic DNA methylation changes in the maternal oxytocin gene locus (OXT) during pregnancy predict postpartum maternal intrusiveness. Psychoneuroendocrinology, 2019, 103, 156-162.	1.3	22
49	Improving mass-univariate analysis of neuroimaging data by modelling important unknown covariates: Application to Epigenome-Wide Association Studies. NeuroImage, 2018, 173, 57-71.	2.1	8
50	Eating in the absence of hunger: Stability over time and associations with eating behaviours and body composition in children. Physiology and Behavior, 2018, 192, 82-89.	1.0	34
51	Environmental enrichment increases transcriptional and epigenetic differentiation between mouse dorsal and ventral dentate gyrus. Nature Communications, 2018, 9, 298.	5.8	106
52	DNA methylome variation in a perinatal nurse-visitation program that reduces child maltreatment: a 27-year follow-up. Translational Psychiatry, 2018, 8, 15.	2.4	37
53	Estrogen receptor Î± drives pro-resilient transcription in mouse models of depression. Nature Communications, 2018, 9, 1116.	5.8	83
54	Oral processing behaviours that promote children's energy intake are associated with parent-reported appetitive traits: Results from the GUSTO cohort. Appetite, 2018, 126, 8-15.	1.8	27

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55	Systematic Overestimation of Reflection Impulsivity in the Information Sampling Task: Age Dependency in Children. Biological Psychiatry, 2018, 83, e33-e34.	0.7	3
56	Fetal growth interacts with multilocus genetic score reflecting dopamine signaling capacity to predict spontaneous sugar intake inÂchildren. Appetite, 2018, 120, 596-601.	1.8	23
57	Relation of plasma tryptophan concentrations during pregnancy to maternal sleep and mental well-being: The GUSTO cohort. Journal of Affective Disorders, 2018, 225, 523-529.	2.0	10
58	Relevance of Psychological Symptoms in Pregnancy to Intergenerational Effects of Preconception Trauma. Biological Psychiatry, 2018, 83, 94-96.	0.7	23
59	Integration of â€œomicsâ€•Data and Phenotypic Data Within a Unified Extensible Multimodal Framework. Frontiers in Neuroinformatics, 2018, 12, 91.	1.3	6
60	PRS-on-Spark (PRSoS): a novel, efficient and flexible approach for generating polygenic risk scores. BMC Bioinformatics, 2018, 19, 295.	1.2	20
61	Perinatal Maternal Depressive Symptoms as an Issue for Population Health. American Journal of Psychiatry, 2018, 175, 1084-1093.	4.0	123
62	Maternal perceptions of paternal investment are associated with relationship satisfaction and breastfeeding duration in humans.. Journal of Family Psychology, 2018, 32, 1025-1035.	1.0	12
63	A description of an â€˜obesogenicâ€™ eating style that promotes higher energy intake and is associated with greater adiposity in 4.5 year-old children: Results from the GUSTO cohort. Physiology and Behavior, 2017, 176, 107-116.	1.0	55
64	Maternal care modulates the febrile response to lipopolysaccharide through differences in glucocorticoid receptor sensitivity in the rat. Brain, Behavior, and Immunity, 2017, 65, 239-250.	2.0	5
65	Faster eating rates are associated with higher energy intakes during anad libitummeal, higher BMI and greater adiposity among 4Â·5-year-old children: results from the Growing Up in Singapore Towards Healthy Outcomes (GUSTO) cohort. British Journal of Nutrition, 2017, 117, 1042-1051.	1.2	85
66	Sleep Quality and Nocturnal Sleep Duration in Pregnancy and Risk of Gestational Diabetes Mellitus. Sleep, 2017, 40, .	0.6	106
67	Broader Focus Required to Understand the Effects of the Perinatal Environment on Child Neurodevelopment: Response to Bell and Chimata. American Journal of Psychiatry, 2017, 174, 999-1000.	4.0	4
68	Association of a History of Child Abuse With Impaired Myelination in the Anterior Cingulate Cortex: Convergent Epigenetic, Transcriptional, and Morphological Evidence. American Journal of Psychiatry, 2017, 174, 1185-1194.	4.0	146
69	Cumulative prenatal exposure to adversity reveals associations with a broad range of neurodevelopmental outcomes that are moderated by a novel, biologically informed polygenetic score based on the serotonin transporter solute carrier family C6, member 4 (SLC6A4) gene expression. Development and Psychopathology, 2017, 29, 1601-1617.	1.4	43
70	Fetal Origins of Mental Health: The Developmental Origins of Health and Disease Hypothesis. American Journal of Psychiatry, 2017, 174, 319-328.	4.0	419
71	Mother nurture and the social definition of neurodevelopment. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6094-6096.	3.3	11
72	Breastfeeding in the 21st century. Lancet, The, 2016, 387, 2088-2089.	6.3	3

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73	Associations between poor subjective prenatal sleep quality and postnatal depression and anxiety symptoms. Journal of Affective Disorders, 2016, 202, 91-94.	2.0	49
74	funtooNorm: an R package for normalization of DNA methylation data when there are multiple cell or tissue types. Bioinformatics, 2016, 32, 593-595.	1.8	22
75	The more things change, the more things stay the same: maternal attitudes 3 to 18 months postpartum. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, e320-7.	0.7	7
76	Effects of the Social Environment and Stress on Glucocorticoid Receptor Gene Methylation: A Systematic Review. Biological Psychiatry, 2016, 79, 87-96.	0.7	582
77	Sleep duration and growth outcomes across the first two years of life in the GUSTO study. Sleep Medicine, 2015, 16, 1281-1286.	0.8	51
78	Developmental synchrony of thalamocortical circuits in the neonatal brain. NeuroImage, 2015, 116, 168-176.	2.1	16
79	Poor infant inhibitory control predicts food fussiness in childhood â€“ A possible protective role of n-3 PUFAs for vulnerable children. Prostaglandins Leukotrienes and Essential Fatty Acids, 2015, 97, 21-25.	1.0	17
80	Infant feeding effects on early neurocognitive development in Asian children. American Journal of Clinical Nutrition, 2015, 101, 326-336.	2.2	48
81	Maternal Care Differentially Affects Neuronal Excitability and Synaptic Plasticity in the Dorsal and Ventral Hippocampus. Neuropsychopharmacology, 2015, 40, 1590-1599.	2.8	36
82	Breastfeeding and maternal sensitivity predict early infant temperament. Acta Paediatrica, International Journal of Paediatrics, 2015, 104, 678-686.	0.7	33
83	The Edinburgh Postnatal Depression Scale as a measure for antenatal dysphoria. Journal of Reproductive and Infant Psychology, 2015, 33, 28-41.	0.9	12
84	Antenatal Maternal Anxiety Predicts Variations in Neural Structures Implicated in Anxiety Disorders in Newborns. Journal of the American Academy of Child and Adolescent Psychiatry, 2015, 54, 313-321.e2.	0.3	113
85	Spatial working memory and attention skills are predicted by maternal stress during pregnancy. Early Human Development, 2015, 91, 23-29.	0.8	35
86	Lower Methylation of Glucocorticoid Receptor Gene Promoter 1F in Peripheral Blood of Veterans with Posttraumatic Stress Disorder. Biological Psychiatry, 2015, 77, 356-364.	0.7	250
87	Gestational Age and Neonatal Brain Microstructure in Term Born Infants: A Birth Cohort Study. PLoS ONE, 2014, 9, e115229.	1.1	25
88	The effect of genotype and in utero environment on interindividual variation in neonate DNA methylomes. Genome Research, 2014, 24, 1064-1074.	2.4	317
89	The methylated-DNA binding protein MBD2 enhances NGFI-A (egr-1)-mediated transcriptional activation of the glucocorticoid receptor. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130513.	1.8	53
90	Infinium Monkeys: Infinium 450K Array for the Cynomolgus macaque (Macaca fascicularis). G3: Genes, Genomes, Genetics, 2014, 4, 1227-1234.	0.8	16

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91	Association between the seven-repeat allele of the dopamine-4 receptor gene (DRD4) and spontaneous food intake in pre-school children. Appetite, 2014, 73, 15-22.	1.8	30
92	Low maternal sensitivity at 6 months of age predicts higher BMI in 48 month old girls but not boys. Appetite, 2014, 82, 97-102.	1.8	24
93	Transgenerational effects of maternal care interact with fetal growth and influence attention skills at 18months of age. Early Human Development, 2014, 90, 241-246.	0.8	13
94	The Maternal Adversity, Vulnerability and Neurodevelopment Project: Theory and Methodology. Canadian Journal of Psychiatry, 2014, 59, 497-508.	0.9	76
95	The Effect of Maternal Anxiety/Depression on Breastfeeding Outcomes: MAVAN (Maternal Adversity) Tj ETQq1 1 0.784314 rgBT /Over	0.2	0
96	Epigenetic regulation of the neural transcriptome: the meaning of the marks. Nature Neuroscience, 2010, 13, 1313-1318.	7.1	197
97	Enriching Stress Research. Cell, 2010, 142, 15-17.	13.5	5
98	Environmental Programming of Phenotypic Diversity in Female Reproductive Strategies. Advances in Genetics, 2007, 59, 173-215.	0.8	22
99	Maternal care as a model for experience-dependent chromatin plasticity?. Trends in Neurosciences, 2005, 28, 456-463.	4.2	570
100	Environmental programming of stress responses through DNA methylation: life at the interface between a dynamic environment and a fixed genome. Dialogues in Clinical Neuroscience, 2005, 7, 103-123.	1.8	732
101	Preclinical models: status of basic research in depression. Biological Psychiatry, 2002, 52, 503-528.	0.7	501
102	Environmental regulation of the development of mesolimbic dopamine systems: a neurobiological mechanism for vulnerability to drug abuse?. Psychoneuroendocrinology, 2002, 27, 127-138.	1.3	295
103	Maternal Care, Gene Expression, and the Transmission of Individual Differences in Stress Reactivity Across Generations. Annual Review of Neuroscience, 2001, 24, 1161-1192.	5.0	2,419
104	Nature, Nurture, and the Disunity of Knowledge. Annals of the New York Academy of Sciences, 2001, 935, 50-61.	1.8	124
105	Maternal care, hippocampal synaptogenesis and cognitive development in rats. Nature Neuroscience, 2000, 3, 799-806.	7.1	1,087
106	Maternal Care, Gene Expression, and the Development of Individual Differences in Stress Reactivity. Annals of the New York Academy of Sciences, 1999, 896, 66-84.	1.8	249
107	Effect of Amygdala Kindling on Emotional Behavior and Benzodiazepine Receptor Binding in Rats. Annals of the New York Academy of Sciences, 1999, 877, 737-741.	1.8	14
108	Cortisol levels during human aging predict hippocampal atrophy and memory deficits. Nature Neuroscience, 1998, 1, 69-73.	7.1	1,425

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109	Do earlyâ€life events permanently alter behavioral and hormonal responses to stressors?. International Journal of Developmental Neuroscience, 1998, 16, 149-164.	0.7	660
110	Dynamic Variations in Plasma Corticosteroidâ€Binding Globulin and Basal HPA Activity following Acute Stress in Adult Rats. Journal of Neuroendocrinology, 1997, 9, 163-168.	1.2	64
111	The effects of early postnatal stimulation on Morris water-maze acquisition in adult mice: genetic and maternal factors. Psychopharmacology, 1996, 128, 227-239.	1.5	180
112	Plaque-forming cell responses and antibody titers following injection of sheep red blood cells in nonstressed, acute, and/or chronically stressed handled and nonhandled animals. , 1996, 29, 171-181.		24
113	Changes in Plasma Adrenocorticotropin, Corticosterone, Corticosteroid-Binding Globulin, and Hippocampal Glucocorticoid Receptor Occupancy/Translocation in Rat Pups in Response to Stress. Journal of Neuroendocrinology, 1996, 8, 1-8.	1.2	90
114	Hippocampal Cell Death. Science, 1996, 272, 1249-1251.	6.0	0
115	Hippocampal Cell Death. Science, 1996, 272, 1249-1251.	6.0	4
116	Hypothalamic-Pituitary-Adrenal Function in Chronic Intermittently Cold-Stressed Neonatally Handled and Non Handled Rats. Journal of Neuroendocrinology, 1995, 7, 97-108.	1.2	113
117	Stimulation of CRH-Mediated ACTH Secretion by Central Administration of Neurotensin: Evidence for the Participation of the Paraventricular Nucleus. Journal of Neuroendocrinology, 1995, 7, 109-117.	1.2	39
118	Long-Term Antidepressant Treatment Reduces Behavioural Deficits in Transgenic Mice with Impaired Glucocorticoid Receptor Function. Journal of Neuroendocrinology, 1995, 7, 841-845.	1.2	160
119	Hypothalamic-Pituitary-Adrenal Activation Following Endotoxin Administration in the Developing Rat: A CRH-Mediated Effect. Journal of Neuroendocrinology, 1994, 6, 375-383.	1.2	56
120	Entorhinal Cortex Lesions Transiently Alter Glucocorticoid but Not Mineralocorticoid Receptor Gene Expression in the Rat Hippocampus. Journal of Neurochemistry, 1993, 61, 356-359.	2.1	4
121	Central and Feedback Regulation of Hypothalamic Corticotropinâ€Releasing Factor Secretion. Novartis Foundation Symposium, 1993, 172, 59-84.	1.2	29
122	Adrenal Phenylethanolamine N-Methyltransferase Induction in Relation to Glucocorticoid Receptor Dynamics: Evidence that Acute Exposure to High Cortisol Levels Is Sufficient to Induce the Enzyme. Journal of Neurochemistry, 1992, 58, 1853-1862.	2.1	46
123	Changes in Vasoactive Intestinal Peptide Binding Site Densities in the Female Rat Central Nervous System and Pituitary During Lactation. Journal of Neuroendocrinology, 1992, 4, 759-764.	1.2	7
124	A comparison of the effects of diazepam versus several typical and atypical anti-depressant drugs in an animal model of anxiety. Psychopharmacology, 1989, 97, 277-279.	1.5	195
125	The effects of chronic antidepressant treatment in an animal model of anxiety. Psychopharmacology, 1988, 95, 298-302.	1.5	360
126	The Effects of Acute and Life-Long Food Restriction on Basal and Stress-Induced Serum Corticosterone Levels in Young and Aged Rats*. Endocrinology, 1988, 123, 1934-1941.	1.4	79

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127	Increased Pituitary Sensitivity to Glucocorticoid Feedback during the Stress Nonresponsive Period in the Neonatal Rat*. Endocrinology, 1986, 119, 1816-1821.	1.4	115
128	Developmental Origins of Neurobiological Vulnerability for PTSD. , 0, , 98-117.		1
129	Epigenetic programming by maternal behavior. , 0, .		1