

Graham K Murray

List of Publications by Citations

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131
papers

5,281
citations

39
h-index

69
g-index

150
ext. papers

6,141
ext. citations

5.6
avg, IF

5.33
L-index

#	Paper	IF	Citations
131	Substantia nigra/ventral tegmental reward prediction error disruption in psychosis. <i>Molecular Psychiatry</i> , 2008 , 13, 239, 267-76	15.1	376
130	Disrupted prediction-error signal in psychosis: evidence for an associative account of delusions. <i>Brain</i> , 2007 , 130, 2387-400	11.2	304
129	Learning and cognitive flexibility: frontostriatal function and monoaminergic modulation. <i>Current Opinion in Neurobiology</i> , 2010 , 20, 199-204	7.6	280
128	Schizophrenia following pre-natal exposure to influenza epidemics between 1939 and 1960. <i>British Journal of Psychiatry</i> , 1992 , 160, 461-6	5.4	221
127	Substance use in a population-based clinic sample of people with first-episode psychosis. <i>British Journal of Psychiatry</i> , 2007 , 190, 515-20	5.4	211
126	Early detection and intervention evaluation for people at risk of psychosis: multisite randomised controlled trial. <i>BMJ, The</i> , 2012 , 344, e2233	5.9	209
125	Psychological effects of ketamine in healthy volunteers. Phenomenological study. <i>British Journal of Psychiatry</i> , 2006 , 189, 173-9	5.4	170
124	Frontal responses during learning predict vulnerability to the psychotogenic effects of ketamine: linking cognition, brain activity, and psychosis. <i>Archives of General Psychiatry</i> , 2006 , 63, 611-21		146
123	What causes the onset of psychosis?. <i>Schizophrenia Research</i> , 2005 , 79, 23-34	3.6	137
122	Reinforcement and reversal learning in first-episode psychosis. <i>Schizophrenia Bulletin</i> , 2008 , 34, 848-55	1.3	122
121	Fronto-cerebellar systems are associated with infant motor and adult executive functions in healthy adults but not in schizophrenia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15651-6	11.5	121
120	Infant motor development is associated with adult cognitive categorisation in a longitudinal birth cohort study. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2006 , 47, 25-9	7.9	113
119	Predictors of schizophrenia--a review. <i>British Medical Bulletin</i> , 2005 , 73-74, 1-15	5.4	100
118	Infant developmental milestones and subsequent cognitive function. <i>Annals of Neurology</i> , 2007 , 62, 128-34	9.4	97
117	Longitudinal associations between childhood and adulthood externalizing and internalizing psychopathology and adolescent substance use. <i>Psychological Medicine</i> , 2014 , 44, 1727-38	6.9	94
116	How dopamine dysregulation leads to psychotic symptoms? Abnormal mesolimbic and mesostriatal prediction error signalling in psychosis. <i>Molecular Psychiatry</i> , 2008 , 13, 239-239	15.1	92
115	Prenatal exposure to influenza and the development of schizophrenia: is the effect confined to females?. <i>American Journal of Psychiatry</i> , 1994 , 151, 117-9	11.9	82

114	Serum C-reactive protein in adolescence and risk of schizophrenia in adulthood: A prospective birth cohort study. <i>Brain, Behavior, and Immunity</i> , 2017 , 59, 253-259	16.6	78
113	Reduction in ventral striatal activity when anticipating a reward in depression and schizophrenia: a replicated cross-diagnostic finding. <i>Frontiers in Psychology</i> , 2015 , 6, 1280	3.4	73
112	Morphometric brain abnormalities in schizophrenia in a population-based sample: relationship to duration of illness. <i>Schizophrenia Bulletin</i> , 2010 , 36, 766-77	1.3	69
111	Longitudinal changes in total brain volume in schizophrenia: relation to symptom severity, cognition and antipsychotic medication. <i>PLoS ONE</i> , 2014 , 9, e101689	3.7	68
110	Individual differences in psychotic effects of ketamine are predicted by brain function measured under placebo. <i>Journal of Neuroscience</i> , 2008 , 28, 6295-303	6.6	67
109	Association of cannabis use with prodromal symptoms of psychosis in adolescence. <i>British Journal of Psychiatry</i> , 2008 , 192, 470-1	5.4	66
108	The brain structural disposition to social interaction. <i>European Journal of Neuroscience</i> , 2009 , 29, 2247-53	5.5	61
107	The relevance of reward pathways for schizophrenia. <i>Current Opinion in Psychiatry</i> , 2010 , 23, 91-6	4.9	61
106	Lifetime use of antipsychotic medication and its relation to change of verbal learning and memory in midlife schizophrenia - An observational 9-year follow-up study. <i>Schizophrenia Research</i> , 2014 , 158, 134-41	3.6	57
105	Early detection and intervention evaluation for people at high-risk of psychosis-2 (EDIE-2): trial rationale, design and baseline characteristics. <i>Microbial Biotechnology</i> , 2011 , 5, 24-32	3.3	53
104	Infant developmental milestones: a 31-year follow-up. <i>Developmental Medicine and Child Neurology</i> , 2005 , 47, 581-586	3.3	51
103	Long-term antipsychotic use and brain changes in schizophrenia - a systematic review and meta-analysis. <i>Human Psychopharmacology</i> , 2017 , 32, e2574	2.3	50
102	The persistence of developmental markers in childhood and adolescence and risk for schizophrenic psychoses in adult life. A 34-year follow-up of the Northern Finland 1966 birth cohort. <i>Schizophrenia Research</i> , 2004 , 71, 213-25	3.6	49
101	Schizophrenia in the offspring of antenatally depressed mothers in the northern Finland 1966 birth cohort: relationship to family history of psychosis. <i>American Journal of Psychiatry</i> , 2010 , 167, 70-7	11.9	47
100	Infant motor development and adult cognitive functions in schizophrenia. <i>Schizophrenia Research</i> , 2006 , 81, 65-74	3.6	47
99	Abnormal Frontostriatal Activity During Unexpected Reward Receipt in Depression and Schizophrenia: Relationship to Anhedonia. <i>Neuropsychopharmacology</i> , 2016 , 41, 2001-10	8.7	47
98	Lifetime antipsychotic medication and cognitive performance in schizophrenia at age 43 years in a general population birth cohort. <i>Psychiatry Research</i> , 2017 , 247, 130-138	9.9	46
97	Incentive motivation in first-episode psychosis: a behavioural study. <i>BMC Psychiatry</i> , 2008 , 8, 34	4.2	45

96	Adolescent cannabis use, baseline prodromal symptoms and the risk of psychosis. <i>British Journal of Psychiatry</i> , 2018 , 212, 227-233	5.4	43
95	Longitudinal regional brain volume loss in schizophrenia: Relationship to antipsychotic medication and change in social function. <i>Schizophrenia Research</i> , 2015 , 168, 297-304	3.6	40
94	The neural underpinnings of associative learning in health and psychosis: how can performance be preserved when brain responses are abnormal?. <i>Schizophrenia Bulletin</i> , 2010 , 36, 465-71	1.3	40
93	Administrative incidence of psychosis assessed in an early intervention service in England: first epidemiological evidence from a diverse, rural and urban setting. <i>Psychological Medicine</i> , 2011 , 41, 949-58	6.9	39
92	Methamphetamine-induced disruption of frontostriatal reward learning signals: relation to psychotic symptoms. <i>American Journal of Psychiatry</i> , 2013 , 170, 1326-34	11.9	38
91	Infant developmental milestones: a 31-year follow-up. <i>Developmental Medicine and Child Neurology</i> , 2005 , 47, 581-6	3.3	38
90	Aberrant Functional Connectivity in the Default Mode and Central Executive Networks in Subjects with Schizophrenia - A Whole-Brain Resting-State ICA Study. <i>Frontiers in Psychiatry</i> , 2015 , 6, 26	5	35
89	Illusions and delusions: relating experimentally-induced false memories to anomalous experiences and ideas. <i>Frontiers in Behavioral Neuroscience</i> , 2009 , 3, 53	3.5	33
88	Towards a Unifying Cognitive, Neurophysiological, and Computational Neuroscience Account of Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019 , 45, 1092-1100	1.3	32
87	Association between duration of untreated psychosis and brain morphology in schizophrenia within the Northern Finland 1966 Birth Cohort. <i>Schizophrenia Research</i> , 2010 , 123, 145-52	3.6	31
86	Infant developmental milestones: a 31-year follow-up. <i>Developmental Medicine and Child Neurology</i> , 2005 , 47, 581	3.3	31
85	Predictors of schizophrenia: evidence from the Northern Finland 1966 Birth Cohort and other sources. <i>British Journal of Psychiatry</i> , 2005 , 48, s4-7	5.4	29
84	Effects of modafinil on emotional processing in first episode psychosis. <i>Biological Psychiatry</i> , 2011 , 69, 457-64	7.9	28
83	Novel genome-wide associations for anhedonia, genetic correlation with psychiatric disorders, and polygenic association with brain structure. <i>Translational Psychiatry</i> , 2019 , 9, 327	8.6	28
82	SmokinThot: adolescent smoking and the risk of psychosis. <i>Acta Psychiatrica Scandinavica</i> , 2018 , 138, 5-14	6.5	27
81	Abnormal reward prediction-error signalling in antipsychotic naive individuals with first-episode psychosis or clinical risk for psychosis. <i>Neuropsychopharmacology</i> , 2018 , 43, 1691-1699	8.7	27
80	Young people at risk for psychosis: case finding and sample characteristics of the Oulu Brain and Mind Study. <i>Microbial Biotechnology</i> , 2013 , 7, 146-54	3.3	26
79	The impact of the COVID-19 pandemic on mental health in the general population: a comparison between Germany and the UK. <i>BMC Psychology</i> , 2021 , 9, 60	2.8	26

78	Medical records: Doctors and patients' experiences of copying letters to patients. <i>Psychiatric Bulletin</i> , 2004 , 28, 40-42		24
77	Effects of methamphetamine administration on information gathering during probabilistic reasoning in healthy humans. <i>PLoS ONE</i> , 2014 , 9, e102683	3.7	23
76	Neuregulin-1 genotype is associated with structural differences in the normal human brain. <i>NeuroImage</i> , 2012 , 59, 2057-61	7.9	23
75	Brain structural signatures of negative symptoms in depression and schizophrenia. <i>Frontiers in Psychiatry</i> , 2014 , 5, 116	5	21
74	Brain structural deficits and working memory fMRI dysfunction in young adults who were diagnosed with ADHD in adolescence. <i>European Child and Adolescent Psychiatry</i> , 2016 , 25, 529-38	5.5	20
73	GWAS of peptic ulcer disease implicates <i>Helicobacter pylori</i> infection, other gastrointestinal disorders and depression. <i>Nature Communications</i> , 2021 , 12, 1146	17.4	20
72	Interaction between parental psychosis and early motor development and the risk of schizophrenia in a general population birth cohort. <i>European Psychiatry</i> , 2015 , 30, 719-27	6	18
71	Default mode network in young people with familial risk for psychosis—the Oulu Brain and Mind study. <i>Schizophrenia Research</i> , 2013 , 143, 239-45	3.6	18
70	No association of COMT (Val158Met) genotype with brain structure differences between men and women. <i>PLoS ONE</i> , 2012 , 7, e33964	3.7	18
69	Dopaminergic drug treatment remediates exaggerated cingulate prediction error responses in obsessive-compulsive disorder. <i>Psychopharmacology</i> , 2019 , 236, 2325-2336	4.7	17
68	Smoking in pregnancy, adolescent mental health and cognitive performance in young adult offspring: results from a matched sample within a Finnish cohort. <i>BMC Psychiatry</i> , 2016 , 16, 430	4.2	17
67	Default Mode Network Aberrant Connectivity Associated with Neurological Soft Signs in Schizophrenia Patients and Unaffected Relatives. <i>Frontiers in Psychiatry</i> , 2017 , 8, 298	5	17
66	Different vulnerability indicators for psychosis and their neuropsychological characteristics in the Northern Finland 1986 Birth Cohort. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2011 , 33, 385-94	2.1	16
65	Risk factors for schizophrenia. Follow-up data from the Northern Finland 1966 Birth Cohort Study. <i>World Psychiatry</i> , 2006 , 5, 168-71	14.4	16
64	Linking the developmental and degenerative theories of schizophrenia: association between infant development and adult cognitive decline. <i>Schizophrenia Bulletin</i> , 2014 , 40, 1319-27	1.3	15
63	Prenatal exposure to influenza epidemics and risk of mental retardation. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1995 , 245, 255-9	5.1	15
62	Jumping to conclusions, general intelligence, and psychosis liability: findings from the multi-centre EU-GEI case-control study. <i>Psychological Medicine</i> , 2021 , 51, 623-633	6.9	15
61	Precision weighting of cortical unsigned prediction error signals benefits learning, is mediated by dopamine, and is impaired in psychosis. <i>Molecular Psychiatry</i> , 2021 , 26, 5320-5333	15.1	14

60	Brain structure in different psychosis risk groups in the Northern Finland 1986 birth cohort. <i>Schizophrenia Research</i> , 2014 , 153, 143-9	3.6	14
59	The influence of temperament on symptoms and functional outcome in people with psychosis in the Northern Finland 1966 Birth Cohort. <i>European Psychiatry</i> , 2010 , 25, 26-32	6	14
58	Developmental precursors of psychosis. <i>Current Psychiatry Reports</i> , 2004 , 6, 168-75	9.1	14
57	Meta-analytic Evidence for the Plurality of Mechanisms in Transdiagnostic Structural MRI Studies of Hallucination Status. <i>EClinicalMedicine</i> , 2019 , 8, 57-71	11.3	13
56	Hedonic and disgust taste perception in borderline personality disorder and depression. <i>British Journal of Psychiatry</i> , 2015 , 207, 79-80	5.4	13
55	Brain responses to different types of salience in antipsychotic naïve first episode psychosis: An fMRI study. <i>Translational Psychiatry</i> , 2018 , 8, 196	8.6	13
54	Long-term antipsychotic and benzodiazepine use and brain volume changes in schizophrenia: The Northern Finland Birth Cohort 1966 study. <i>Psychiatry Research - Neuroimaging</i> , 2017 , 266, 73-82	2.9	12
53	Functional mapping of dynamic happy and fearful facial expressions in young adults with familial risk for psychosis - Oulu Brain and Mind Study. <i>Schizophrenia Research</i> , 2015 , 164, 242-9	3.6	12
52	Associations between brain morphology and outcome in schizophrenia in a general population sample. <i>European Psychiatry</i> , 2014 , 29, 456-62	6	12
51	Adolescent Major Depressive Disorder: Neuroimaging Evidence of Sex Difference during an Affective Go/No-Go Task. <i>Frontiers in Psychiatry</i> , 2017 , 8, 119	5	12
50	Is prematurity associated with adult cognitive outcome and brain structure?. <i>Pediatric Neurology</i> , 2011 , 44, 12-20	2.9	12
49	Aberrant brain responses to emotionally valent words is normalised after cognitive behavioural therapy in female depressed adolescents. <i>Journal of Affective Disorders</i> , 2016 , 189, 54-61	6.6	11
48	What happens to semantic memory when formal thought disorder remits? Revisiting a case study. <i>Cognitive Neuropsychiatry</i> , 2005 , 10, 57-71	2	11
47	Changes in verbal learning and memory in schizophrenia and non-psychotic controls in midlife: A nine-year follow-up in the Northern Finland Birth Cohort study 1966. <i>Psychiatry Research</i> , 2015 , 228, 671-9	9.9	10
46	Brain structural changes in women and men during midlife. <i>Neuroscience Letters</i> , 2016 , 615, 107-12	3.3	10
45	Difficulty in making contact with others and social withdrawal as early signs of psychosis in adolescents--the Northern Finland Birth Cohort 1986. <i>European Psychiatry</i> , 2014 , 29, 345-51	6	10
44	Are there valid subtypes of schizophrenia? A grade of membership analysis. <i>Psychopathology</i> , 2010 , 43, 53-62	3.4	10
43	Cost Evaluation During Decision-Making in Patients at Early Stages of Psychosis. <i>Computational Psychiatry</i> , 2019 , 3, 18-39	3.8	10

42	Adolescent inhalant use and psychosis risk - a prospective longitudinal study. <i>Schizophrenia Research</i> , 2018 , 201, 360-366	3.6	10
41	Early adversity and brain response to faces in young adulthood. <i>Human Brain Mapping</i> , 2017 , 38, 4470-4478	4.7	9
40	Behavioural and molecular endophenotypes in psychotic disorders reveal heritable abnormalities in glutamatergic neurotransmission. <i>Translational Psychiatry</i> , 2015 , 5, e540	8.6	9
39	Evidence in cortical folding patterns for prenatal predispositions to hallucinations in schizophrenia. <i>Translational Psychiatry</i> , 2020 , 10, 387	8.6	9
38	Neurocognition as a predictor of outcome in schizophrenia in the Northern Finland Birth Cohort 1966. <i>Schizophrenia Research: Cognition</i> , 2015 , 2, 113-119	2.8	9
37	Central executive network in young people with familial risk for psychosis--the Oulu Brain and Mind Study. <i>Schizophrenia Research</i> , 2015 , 161, 177-83	3.6	9
36	Associations between early development and outcome in schizophrenia--A 35-year follow-up of the Northern Finland 1966 Birth Cohort. <i>Schizophrenia Research</i> , 2008 , 99, 29-37	3.6	9
35	Copying letters to patients. Psychiatrists omit information from letters when they know patients will be sent copies. <i>BMJ, The</i> , 2003 , 326, 449	5.9	9
34	Influence of prior beliefs on perception in early psychosis: Effects of illness stage and hierarchical level of belief. <i>Journal of Abnormal Psychology</i> , 2020 , 129, 581-598	7	9
33	Poor premorbid school performance, but not severity of illness, predicts cognitive decline in schizophrenia in midlife. <i>Schizophrenia Research: Cognition</i> , 2015 , 2, 120-126	2.8	8
32	Association between Dopamine Receptor D2 (DRD2) Variations rs6277 and rs1800497 and Cognitive Performance According to Risk Type for Psychosis: A Nested Case Control Study in a Finnish Population Sample. <i>PLoS ONE</i> , 2015 , 10, e0127602	3.7	8
31	Severe mood disorders and schizophrenia in the adult offspring of antenatally depressed mothers in the Northern Finland 1966 Birth Cohort: Relationship to parental severe mental disorder. <i>Journal of Affective Disorders</i> , 2019 , 249, 63-72	6.6	7
30	Cerebellar activity in young people with familial risk for psychosis--The Oulu Brain and Mind Study. <i>Schizophrenia Research</i> , 2015 , 169, 46-53	3.6	7
29	Lifetime use of psychiatric medications and cognition at 43years of age in schizophrenia in the Northern Finland Birth Cohort 1966. <i>European Psychiatry</i> , 2017 , 45, 50-58	6	7
28	Verbal learning and memory and their associations with brain morphology and illness course in schizophrenia spectrum psychoses. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2012 , 34, 698-713	7.1	7
27	Cognition, psychosis risk and metabolic measures in two adolescent birth cohorts. <i>Psychological Medicine</i> , 2018 , 48, 2609-2623	6.9	5
26	Polygenic Risk Score for Schizophrenia and Face-Processing Network in Young Adulthood. <i>Schizophrenia Bulletin</i> , 2019 , 45, 835-845	1.3	5
25	Grey and white matter microstructure is associated with polygenic risk for schizophrenia. <i>Molecular Psychiatry</i> , 2021 ,	15.1	5

24	Reinforcement learning as an intermediate phenotype in psychosis? Deficits sensitive to illness stage but not associated with polygenic risk of schizophrenia in the general population. <i>Schizophrenia Research</i> , 2020 , 222, 389-396	3.6	4
23	Predictors of Long-Term Change in Adult Cognitive Performance: Systematic Review and Data from the Northern Finland Birth Cohort 1966. <i>Clinical Neuropsychologist</i> , 2016 , 30, 17-50	4.4	4
22	Altered subcortical emotional salience processing differentiates Parkinson's patients with and without psychotic symptoms. <i>NeuroImage: Clinical</i> , 2020 , 27, 102277	5.3	3
21	Cortical and Striatal Reward Processing in Parkinson's Disease Psychosis. <i>Frontiers in Neurology</i> , 2017 , 8, 156	4.1	3
20	Spontaneous improvement in severe, chronic schizophrenia and its neuropsychological correlates. <i>British Journal of Psychiatry</i> , 2004 , 184, 357-8	5.4	3
19	Inflammatory and cardiometabolic markers at presentation with first episode psychosis and long-term clinical outcomes: A longitudinal study using electronic health records. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 117-127	16.6	3
18	Common childhood neurodevelopmental disorders are associated with increased risk of psychotic experiences in early adolescence. <i>Evidence-Based Mental Health</i> , 2015 , 18, 51	11.1	2
17	Volumetric Segmentation and Characterisation of the Paracingulate Sulcus on MRI Scans		2
16	Subjective Impact of the COVID-19 Pandemic on Schizotypy and General Mental Health in Germany and the United Kingdom, for Independent Samples in May and in October 2020. <i>Frontiers in Psychology</i> , 2021 , 12, 667848	3.4	2
15	Towards Deciphering the Fetal Foundation of Normal Cognition and Cognitive Symptoms From Sulcation of the Cortex. <i>Frontiers in Neuroanatomy</i> , 2021 , 15, 712862	3.6	2
14	Response initiation in young adults at risk for psychosis in the Northern Finland 1986 Birth Cohort. <i>Cognitive Neuropsychiatry</i> , 2014 , 19, 226-40	2	1
13	Facial Emotion Recognition in Psychosis and Associations With Polygenic Risk for Schizophrenia: Findings From the Multi-Center EU-GEI Case-Control Study.. <i>Schizophrenia Bulletin</i> , 2022 ,	1.3	1
12	Neural Circuitry of Salience and Reward Processing in Psychosis. <i>Biological Psychiatry Global Open Science</i> , 2021 ,		1
11	Jumping To Conclusions, General Intelligence, And Psychosis Liability: Findings From The Multi-Centre EU-GEI Case-Control Study		1
10	Abnormal reward prediction error signalling in antipsychotic naïve individuals with first episode psychosis or clinical risk for psychosis		1
9	Novel genome-wide associations for anhedonia, genetic correlation with psychiatric disorders, and polygenic association with brain structure		1
8	The progression of disorder-specific brain pattern expression in schizophrenia over 9 years. <i>NPJ Schizophrenia</i> , 2021 , 7, 32	5.5	1
7	Antipsychotic and benzodiazepine use and brain morphology in schizophrenia and affective psychoses - Systematic reviews and birth cohort study. <i>Psychiatry Research - Neuroimaging</i> , 2018 , 281, 43-52	2.9	0

6	Arts-based methods for hallucination research. <i>Cognitive Neuropsychiatry</i> , 2021 , 1-20	2	o
5	Acute psychosis following propofol in a patient with Parkinson's disease: effects of a GABA-dopamine imbalance.. <i>Psychiatry and Clinical Neurosciences</i> , 2022 ,	6.2	o
4	Reward anticipation in individuals with subclinical psychotic experiences: A functional MRI approach. <i>European Neuropsychopharmacology</i> , 2019 , 29, 1374-1385	1.2	
3	Successful learning in schizophrenia, functional neuroimaging studies, and theoretical considerations. <i>Schizophrenia Bulletin</i> , 2010 , 36, 463-4	1.3	
2	Author's reply. <i>British Journal of Psychiatry</i> , 2020 , 217, 458	5.4	
1	Benefits and risks of off label use of antipsychotics in insomnia and anxiety IAPSY Oulu project. <i>Nordic Journal of Psychiatry</i> ,1-1	2.3	