

Colin A Hodgkinson

List of Publications by Year in descending order

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118
papers

9,366
citations

31949

53
h-index

40954

93
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124
all docs

124
docs citations

124
times ranked

11657
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations at the mouse microphthalmia locus are associated with defects in a gene encoding a novel basic-helix-loop-helix-zipper protein. <i>Cell</i> , 1993, 74, 395-404.	13.5	1,057
2	Molecular basis of mouse microphthalmia (mi) mutations helps explain their developmental and phenotypic consequences. <i>Nature Genetics</i> , 1994, 8, 256-263.	9.4	505
3	Transancestral GWAS of alcohol dependence reveals common genetic underpinnings with psychiatric disorders. <i>Nature Neuroscience</i> , 2018, 21, 1656-1669.	7.1	490
4	Disrupted in Schizophrenia 1 (DISC1): Association with Schizophrenia, Schizoaffective Disorder, and Bipolar Disorder. <i>American Journal of Human Genetics</i> , 2004, 75, 862-872.	2.6	397
5	Genetic variation in human NPY expression affects stress response and emotion. <i>Nature</i> , 2008, 452, 997-1001.	13.7	387
6	A population-specific HTR2B stop codon predisposes to severe impulsivity. <i>Nature</i> , 2010, 468, 1061-1066.	13.7	272
7	Addictions Biology: Haplotype-Based Analysis for 130 Candidate Genes on a Single Array. <i>Alcohol and Alcoholism</i> , 2008, 43, 505-515.	0.9	222
8	Interaction between a functional MAOA locus and childhood sexual abuse predicts alcoholism and antisocial personality disorder in adult women. <i>Molecular Psychiatry</i> , 2008, 13, 334-347.	4.1	209
9	Mutations in microphthalmia, the mouse homolog of the human deafness gene MITF, affect neuroepithelial and neural crest-derived melanocytes differently. <i>Mechanisms of Development</i> , 1998, 70, 155-166.	1.7	205
10	A large-scale genome-wide association study meta-analysis of cannabis use disorder. <i>Lancet Psychiatry</i> , 2020, 7, 1032-1045.	3.7	200
11	Cloning of MITF, the human homolog of the mouse microphthalmia gene and assignment to chromosome 3p14.1-p12.3. <i>Human Molecular Genetics</i> , 1994, 3, 553-557.	1.4	181
12	A genetically modulated, intrinsic cingulate circuit supports human nicotine addiction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13509-13514.	3.3	154
13	Variations in the serotonin-transporter gene are associated with attention bias patterns to positive and negative emotion faces. <i>Biological Psychology</i> , 2010, 83, 269-271.	1.1	150
14	Two HPA axis genes, CRHBP and FKBP5, interact with childhood trauma to increase the risk for suicidal behavior. <i>Journal of Psychiatric Research</i> , 2012, 46, 72-79.	1.5	149
15	Genetical genomic determinants of alcohol consumption in rats and humans. <i>BMC Biology</i> , 2009, 7, 70.	1.7	148
16	The Influence of GABRA2, Childhood Trauma, and Their Interaction on Alcohol, Heroin, and Cocaine Dependence. <i>Biological Psychiatry</i> , 2010, 67, 20-27.	0.7	134
17	The Role of the Met66 Brain-Derived Neurotrophic Factor Allele in the Recovery of Executive Functioning after Combat-Related Traumatic Brain Injury. <i>Journal of Neuroscience</i> , 2011, 31, 598-606.	1.7	123
18	Using ancestry-informative markers to define populations and detect population stratification. <i>Journal of Psychopharmacology</i> , 2006, 20, 19-26.	2.0	115

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19	DRD2 polymorphisms modulate reward and emotion processing, dopamine neurotransmission and openness to experience. <i>Cortex</i> , 2013, 49, 877-890.	1.1	106
20	DISC1 and neurocognitive function in schizophrenia. <i>NeuroReport</i> , 2005, 16, 1399-1402.	0.6	105
21	Amygdala Function and 5-HTT Gene Variants in Adolescent Anxiety and Major Depressive Disorder. <i>Biological Psychiatry</i> , 2009, 65, 349-355.	0.7	105
22	Loss of metabotropic glutamate receptor 2 escalates alcohol consumption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16963-16968.	3.3	105
23	BDNF gene polymorphism (Val66Met) predicts amygdala and anterior hippocampus responses to emotional faces in anxious and depressed adolescents. <i>NeuroImage</i> , 2010, 53, 952-961.	2.1	103
24	Elucidating the relationship between DISC1, NDEL1 and NDE1 and the risk for schizophrenia: Evidence of epistasis and competitive binding. <i>Human Molecular Genetics</i> , 2008, 17, 2462-2473.	1.4	101
25	Genome-wide association study implicates NDST3 in schizophrenia and bipolar disorder. <i>Nature Communications</i> , 2013, 4, 2739.	5.8	101
26	Emotion Processing, Major Depression, and Functional Genetic Variation of Neuropeptide Y. <i>Archives of General Psychiatry</i> , 2011, 68, 158.	13.8	100
27	Genomic, Transcriptional and Mutational Analysis of the Mouse <i>microphthalmia</i> Locus. <i>Genetics</i> , 2000, 155, 291-300.	1.2	99
28	Association of the OPRM1 Variant rs1799971 (A118G) with Non-Specific Liability to Substance Dependence in a Collaborative de novo Meta-Analysis of European-Ancestry Cohorts. <i>Behavior Genetics</i> , 2016, 46, 151-169.	1.4	98
29	Association of the 5' upstream regulatory region of the $\alpha 7$ nicotinic acetylcholine receptor subunit gene (CHRNA7) with schizophrenia. <i>Schizophrenia Research</i> , 2009, 109, 102-112.	1.1	93
30	Common Genetic Origins for EEG, Alcoholism and Anxiety: The Role of CRH-BP. <i>PLoS ONE</i> , 2008, 3, e3620.	1.1	90
31	Functional genetic variants that increase synaptic serotonin and 5-HT3 receptor sensitivity predict alcohol and drug dependence. <i>Molecular Psychiatry</i> , 2011, 16, 1139-1146.	4.1	90
32	DISC1 is associated with prefrontal cortical gray matter and positive symptoms in schizophrenia. <i>Biological Psychology</i> , 2008, 79, 103-110.	1.1	88
33	Cochlear disorder associated with melanocyte anomaly in mice with a transgenic insertional mutation. <i>Molecular and Cellular Neurosciences</i> , 1992, 3, 433-445.	1.0	87
34	Oxytocin Gene Polymorphisms Influence Human Dopaminergic Function in a Sex-Dependent Manner. <i>Biological Psychiatry</i> , 2012, 72, 198-206.	0.7	87
35	Naltrexone Alone and With Sertraline for the Treatment of Alcohol Dependence in Alaska Natives and Non-Natives Residing in Rural Settings: A Randomized Controlled Trial. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1271-1283.	1.4	86
36	GABRG1 and GABRA2 as Independent Predictors for Alcoholism in Two Populations. <i>Neuropsychopharmacology</i> , 2009, 34, 1245-1254.	2.8	82

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37	A genome-wide association study of suicidal behavior. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2015, 168, 557-563.	1.1	80
38	The glucagon-like peptide-1 receptor as a potential treatment target in alcohol use disorder: evidence from human genetic association studies and a mouse model of alcohol dependence. Translational Psychiatry, 2015, 5, e583-e583.	2.4	79
39	Genome-wide association study in essential tremor identifies three new loci. Brain, 2016, 139, 3163-3169.	3.7	78
40	FAAH selectively influences placebo effects. Molecular Psychiatry, 2014, 19, 385-391.	4.1	77
41	BDNF Polymorphism Predicts General Intelligence after Penetrating Traumatic Brain Injury. PLoS ONE, 2011, 6, e27389.	1.1	75
42	Disrupted in Schizophrenia 1 Genotype and Positive Symptoms in Schizophrenia. Biological Psychiatry, 2007, 61, 1208-1210.	0.7	73
43	Association of ADH and ALDH Genes With Alcohol Dependence in the Irish Affected Sib Pair Study of Alcohol Dependence (IASPSAD) Sample. Alcoholism: Clinical and Experimental Research, 2008, 32, 785-795.	1.4	72
44	Genome-wide association identifies candidate genes that influence the human electroencephalogram. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8695-8700.	3.3	69
45	The contribution of rare and common variants in 30 genes to risk nicotine dependence. Molecular Psychiatry, 2015, 20, 1467-1478.	4.1	64
46	Association of Substance Use Disorders With Childhood Trauma but not African Genetic Heritage in an African American Cohort. American Journal of Psychiatry, 2009, 166, 1031-1040.	4.0	63
47	Epigenetic aging is accelerated in alcohol use disorder and regulated by genetic variation in APOL2. Neuropsychopharmacology, 2020, 45, 327-336.	2.8	62
48	Tryptophan-hydroxylase 2 haplotype association with borderline personality disorder and aggression in a sample of patients with personality disorders and healthy controls. Journal of Psychiatric Research, 2010, 44, 1075-1081.	1.5	61
49	The Functional DRD3 Ser9Gly Polymorphism (rs6280) Is Pleiotropic, Affecting Reward as Well as Movement. PLoS ONE, 2013, 8, e54108.	1.1	60
50	HTR3B is associated with alcoholism with antisocial behavior and alpha EEG power—an intermediate phenotype for alcoholism and co-morbid behaviors. Alcohol, 2009, 43, 73-84.	0.8	57
51	A <i>CHRNA5</i> allele related to nicotine addiction and schizophrenia. Genes, Brain and Behavior, 2011, 10, 530-535.	1.1	56
52	Variation in the Corticotropin-Releasing Hormone Receptor 1 (<i>CRHR1</i>) Gene Influences fMRI Signal Responses during Emotional Stimulus Processing. Journal of Neuroscience, 2012, 32, 3253-3260.	1.7	55
53	Valence-Specific Effects of <i>BDNF</i> Val ⁶⁶ Met Polymorphism on Dopaminergic Stress and Reward Processing in Humans. Journal of Neuroscience, 2014, 34, 5874-5881.	1.7	54
54	FKBP5 Moderates Alcohol Withdrawal Severity: Human Genetic Association and Functional Validation in Knockout Mice. Neuropsychopharmacology, 2014, 39, 2029-2038.	2.8	54

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55	DRD2/ANKK1 Taq1A polymorphism (rs1800497) has opposing effects on D2/3 receptor binding in healthy controls and patients with major depressive disorder. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 2095-2101.	1.0	51
56	A variant on the kappa opioid receptor gene (OPRK1) is associated with stress response and related drug craving, limbic brain activation and cocaine relapse risk. <i>Translational Psychiatry</i> , 2013, 3, e292-e292.	2.4	49
57	Monoamine Oxidase A Genotype Predicts Human Serotonin 1A Receptor Availability In Vivo. <i>Journal of Neuroscience</i> , 2008, 28, 11354-11359.	1.7	48
58	Leptin Regulates Dopamine Responses to Sustained Stress in Humans. <i>Journal of Neuroscience</i> , 2012, 32, 15369-15376.	1.7	48
59	Haplotype-Based Study of the Association of Alcohol-Metabolizing Genes With Alcohol Dependence in Four Independent Populations. <i>Alcoholism: Clinical and Experimental Research</i> , 2011, 35, 304-316.	1.4	47
60	Cortisol Stress Response in Men and Women Modulated Differentially by the Mu-Opioid Receptor Gene Polymorphism OPRM1 A118G. <i>Neuropsychopharmacology</i> , 2015, 40, 2546-2554.	2.8	45
61	Severity of alcohol dependence is associated with the fatty acid amide hydrolase Pro129Thr missense variant. <i>Addiction Biology</i> , 2018, 23, 474-484.	1.4	45
62	OPRM1 gene variants modulate amphetamine-induced euphoria in humans. <i>Genes, Brain and Behavior</i> , 2011, 10, 199-209.	1.1	44
63	Striatal Dopamine Release and Genetic Variation of the Serotonin 2C Receptor in Humans. <i>Journal of Neuroscience</i> , 2012, 32, 9344-9350.	1.7	41
64	Joint Impact of Early Life Adversity and COMT Val158Met (rs4680) Genotypes on the Adult Cortisol Response to Psychological Stress. <i>Psychosomatic Medicine</i> , 2017, 79, 631-637.	1.3	35
65	Effects of <i>TPH2</i> gene variation and childhood trauma on the clinical and circuit-level phenotype of functional movement disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 814-821.	0.9	35
66	Exploratory locomotion, a predictor of addiction vulnerability, is oligogenic in rats selected for this phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13107-13115.	3.3	33
67	Epigenome-wide association study and multi-tissue replication of individuals with alcohol use disorder: evidence for abnormal glucocorticoid signaling pathway gene regulation. <i>Molecular Psychiatry</i> , 2021, 26, 2224-2237.	4.1	32
68	Interaction between tryptophan hydroxylase I polymorphisms and childhood abuse is associated with increased risk for borderline personality disorder in adulthood. <i>Psychiatric Genetics</i> , 2012, 22, 15-24.	0.6	31
69	Network Meta-Analysis on the Mechanisms Underlying Alcohol Augmentation of COVID-19 Pathologies. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 675-688.	1.4	31
70	OPRM1 rs1799971, COMT rs4680, and FAAH rs324420 genes interact with placebo procedures to induce hypoalgesia. <i>Pain</i> , 2019, 160, 1824-1834.	2.0	30
71	Associations of glutamate decarboxylase genes with initial sensitivity and age-at-onset of alcohol dependence in the Irish Affected Sib Pair Study of Alcohol Dependence. <i>Drug and Alcohol Dependence</i> , 2009, 101, 80-87.	1.6	29
72	More Aroused, Less Fatigued: Fatty Acid Amide Hydrolase Gene Polymorphisms Influence Acute Response to Amphetamine. <i>Neuropsychopharmacology</i> , 2010, 35, 613-622.	2.8	29

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73	Fatty-acid amide hydrolase polymorphisms and post-traumatic stress disorder after penetrating brain injury. <i>Translational Psychiatry</i> , 2012, 2, e75-e75.	2.4	29
74	Early-Life Adversity Interacts with FKBP5 Genotypes: Altered Working Memory and Cardiac Stress Reactivity in the Oklahoma Family Health Patterns Project. <i>Neuropsychopharmacology</i> , 2016, 41, 1724-1732.	2.8	29
75	Shared genetic risk between eating disorder and substance use related phenotypes: Evidence from genome-wide association studies. <i>Addiction Biology</i> , 2021, 26, e12880.	1.4	28
76	The Leu72Met Polymorphism of the Prepro-ghrelin Gene is Associated With Alcohol Consumption and Subjective Responses to Alcohol: Preliminary Findings. <i>Alcohol and Alcoholism</i> , 2017, 52, 425-430.	0.9	26
77	Early-Life Adversity and Blunted Stress Reactivity as Predictors of Alcohol and Drug use in Persons With <i>COMT</i> (rs4680) Val158Met Genotypes. <i>Alcoholism: Clinical and Experimental Research</i> , 2019, 43, 1519-1527.	1.4	26
78	Host-parasite interaction associated with major mental illness. <i>Molecular Psychiatry</i> , 2020, 25, 194-205.	4.1	26
79	Resting-state functional connectivity and presynaptic monoamine signaling in Alcohol Dependence. <i>Human Brain Mapping</i> , 2015, 36, 4808-4818.	1.9	24
80	Prefrontal white matter impairment in substance users depends upon the catechol-o-methyl transferase (<i>COMT</i>) val158met polymorphism. <i>NeuroImage</i> , 2013, 69, 62-69.	2.1	23
81	Brain-derived neurotrophic factor Val66Met genotype modulates amygdala habituation. <i>Psychiatry Research - Neuroimaging</i> , 2017, 263, 85-92.	0.9	22
82	Functional Polymorphism of the Mu-Opioid Receptor Gene (<i>OPRM1</i>) Influences Reinforcement Learning in Humans. <i>PLoS ONE</i> , 2011, 6, e24203.	1.1	21
83	The <i>FEZ1</i> Gene Shows No Association to Schizophrenia in Caucasian or African American Populations. <i>Neuropsychopharmacology</i> , 2007, 32, 190-196.	2.8	20
84	<i>GABBR1</i> and <i>SLC6A1</i> , Two Genes Involved in Modulation of <i>GABA</i> Synaptic Transmission, Influence Risk for Alcoholism: Results from Three Ethnically Diverse Populations. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 93-101.	1.4	20
85	Do Motor Control Genes Contribute to Interindividual Variability in Decreased Movement in Patients with Pain?. <i>Molecular Pain</i> , 2007, 3, 1744-8069-3-20.	1.0	19
86	<i>BDNF</i> Polymorphism-Dependent OFC and DLPFC Plasticity Differentially Moderates Implicit and Explicit Bias. <i>Cerebral Cortex</i> , 2012, 22, 2602-2609.	1.6	19
87	Differential Impact of Serotonin Transporter Activity on Temperament and Behavior in Persons with a Family History of Alcoholism in the Oklahoma Family Health Patterns Project. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 1575-1581.	1.4	19
88	Genetic contributions to alcohol use disorder treatment outcomes: a genome-wide pharmacogenomics study. <i>Neuropsychopharmacology</i> , 2021, 46, 2132-2139.	2.8	19
89	Association of genetic ancestry with striatal dopamine D2/D3 receptor availability. <i>Molecular Psychiatry</i> , 2018, 23, 1711-1716.	4.1	18
90	Independent effects of 5-HT ₂ and 3-HT ₂ functional variants in the serotonin transporter gene on suicidal behavior in the context of childhood trauma. <i>Journal of Psychiatric Research</i> , 2013, 47, 900-907.	1.5	17

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91	A large-scale candidate gene analysis of mood disorders. <i>Psychiatric Genetics</i> , 2013, 23, 47-55.	0.6	17
92	A Genome-Wide Copy Number Variant Study of Suicidal Behavior. <i>PLoS ONE</i> , 2015, 10, e0128369.	1.1	16
93	A Spontaneous Missense Mutation in Branched Chain Keto Acid Dehydrogenase Kinase in the Rat Affects Both the Central and Peripheral Nervous Systems. <i>PLoS ONE</i> , 2016, 11, e0160447.	1.1	16
94	Serotonin transporter genotype differentially modulates neural responses to emotional words following tryptophan depletion in patients recovered from depression and healthy volunteers. <i>Journal of Psychopharmacology</i> , 2012, 26, 1434-1442.	2.0	15
95	Aggression, <i>DRD1</i> polymorphism, and lesion location in penetrating traumatic brain injury. <i>CNS Spectrums</i> , 2014, 19, 382-390.	0.7	15
96	New Repeat Polymorphism in the <i>AKT1</i> Gene Predicts Striatal Dopamine D2/D3 Receptor Availability and Stimulant-Induced Dopamine Release in the Healthy Human Brain. <i>Journal of Neuroscience</i> , 2017, 37, 4982-4991.	1.7	15
97	The abundance of cis-acting loci leading to differential allele expression in F1 mice and their relationship to loci harboring genes affecting complex traits. <i>BMC Genomics</i> , 2016, 17, 620.	1.2	13
98	Associations between prefrontal $\hat{1}^3$ -aminobutyric acid concentration and the tryptophan hydroxylase isoform 2 gene, a panic disorder risk allele in women. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 1707-1717.	1.0	12
99	Effects on gene expression and behavior of untagged short tandem repeats: the case of arginine vasopressin receptor 1a (<i>AVPR1a</i>) and externalizing behaviors. <i>Translational Psychiatry</i> , 2018, 8, 72.	2.4	11
100	A Prospective Cohort Study of Influences on Externalizing Behaviors Across Childhood: Results From a Nurse Home Visiting Randomized Controlled Trial. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, 376-382.	0.3	10
101	<i>TSPO</i> polymorphism in individuals with alcohol use disorder: Association with cholesterol levels and withdrawal severity. <i>Addiction Biology</i> , 2021, 26, e12838.	1.4	9
102	Association of Superoxide Dismutase 2 (<i>SOD2</i>) Genotype with Gray Matter Volume Shrinkage in Chronic Alcohol Users: Replication and Further Evaluation of an Addiction Gene Panel. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw033.	1.0	8
103	Hepatic, lipid and genetic factors associated with obesity: crosstalk with alcohol dependence?. <i>World Journal of Biological Psychiatry</i> , 2017, 18, 120-128.	1.3	8
104	Effects of citalopram and escitalopram on fMRI response to affective stimuli in healthy volunteers selected by serotonin transporter genotype. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 217-224.	0.9	7
105	A preliminary study suggests that nicotine and prefrontal dopamine affect cortico-striatal areas in smokers with performance feedback. <i>Genes, Brain and Behavior</i> , 2013, 12, 554-563.	1.1	7
106	Extracellular dopamine, acetylcholine, and activation of dopamine D1 and D2 receptors after selective breeding for cocaine self-administration in rats. <i>Psychopharmacology</i> , 2017, 234, 2475-2487.	1.5	7
107	Dimensional Traits of Schizotypy Associated With Glycine Receptor <i>GLRA1</i> Polymorphism: An Exploratory Candidate-Gene Association Study. <i>Journal of Personality Disorders</i> , 2018, 32, 421-432.	0.8	7
108	Working memory reflects vulnerability to early life adversity as a risk factor for substance use disorder in the <i>FKBP5</i> cortisol cochaperone polymorphism, rs9296158. <i>PLoS ONE</i> , 2019, 14, e0218212.	1.1	7

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109	Age-modulated association between prefrontal NAA and the BDNF gene. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 1185-1193.	1.0	5
110	Effect of Functionally Significant Deiodinase Single Nucleotide Polymorphisms on Drinking Behavior in Alcohol Dependence: An Exploratory Investigation. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 1665-1670.	1.4	5
111	Relations between catecholâ€œmethyltransferase Val158Met genotype and inhibitory control development in childhood. <i>Developmental Psychobiology</i> , 2020, 62, 181-190.	0.9	4
112	Strong and weak cross-inheritance of substance use disorders in a nationally representative sample. <i>Molecular Psychiatry</i> , 2022, 27, 1742-1753.	4.1	4
113	Leptin Gene and Leptin Receptor Gene Polymorphisms in Alcohol Use Disorder: Findings Related to Psychopathology. <i>Frontiers in Psychiatry</i> , 2021, 12, 723059.	1.3	3
114	FAAH and CNR1 Polymorphisms in the Endocannabinoid System and Alcohol-Related Sleep Quality. <i>Frontiers in Psychiatry</i> , 2021, 12, 712178.	1.3	2
115	Maternal posttraumatic stress and FKBP5 Genotype interact to predict trauma-related symptoms in preschool-age offspring. <i>Journal of Affective Disorders</i> , 2021, 292, 212-216.	2.0	2
116	Zhou et al. reply. <i>Nature</i> , 2009, 458, E7-E7.	13.7	1
117	Serotonin system genes contribute to the susceptibility to obesity in Black adolescents. <i>Obesity Science and Practice</i> , 2021, 7, 441-449.	1.0	1
118	Heightened amygdala responsiveness in s-carriers of 5-HTTLPR genetic polymorphism reflects enhanced cortical rather than subcortical inputs: An MEG study. <i>Human Brain Mapping</i> , 2017, 38, 4313-4321.	1.9	1