

Vincent Frouin

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

5,169
citations

126907

33
h-index

106344

65
g-index

103
all docs

103
docs citations

103
times ranked

9555
citing authors

#	ARTICLE	IF	CITATIONS
1	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	2.1	696
2	Correlated gene expression supports synchronous activity in brain networks. <i>Science</i> , 2015, 348, 1241-1244.	12.6	532
3	Neuropsychosocial profiles of current and future adolescent alcohol misusers. <i>Nature</i> , 2014, 512, 185-189.	27.8	368
4	The Brain's Response to Reward Anticipation and Depression in Adolescence: Dimensionality, Specificity, and Longitudinal Predictions in a Community-Based Sample. <i>American Journal of Psychiatry</i> , 2015, 172, 1215-1223.	7.2	237
5	The structure of psychopathology in adolescence and its common personality and cognitive correlates. <i>Journal of Abnormal Psychology</i> , 2016, 125, 1039-1052.	1.9	217
6	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. <i>Molecular Autism</i> , 2017, 8, 24.	4.9	183
7	"Sulcal Root" Generic Model: a Hypothesis to Overcome the Variability of the Human Cortex Folding Patterns. <i>Neurologia Medico-Chirurgica</i> , 2005, 45, 1-17.	2.2	177
8	Variable selection for generalized canonical correlation analysis. <i>Biostatistics</i> , 2014, 15, 569-583.	1.5	168
9	Early Cannabis Use, Polygenic Risk Score for Schizophrenia and Brain Maturation in Adolescence. <i>JAMA Psychiatry</i> , 2015, 72, 1002.	11.0	156
10	Neural and Cognitive Correlates of the Common and Specific Variance Across Externalizing Problems in Young Adolescence. <i>American Journal of Psychiatry</i> , 2014, 171, 1310-1319.	7.2	107
11	Mapping adolescent reward anticipation, receipt, and prediction error during the monetary incentive delay task. <i>Human Brain Mapping</i> , 2019, 40, 262-283.	3.6	69
12	Association of Protein Phosphatase <i>PPM1G</i> With Alcohol Use Disorder and Brain Activity During Behavioral Control in a Genome-Wide Methylation Analysis. <i>American Journal of Psychiatry</i> , 2015, 172, 543-552.	7.2	68
13	Genetic Influence on the Sulcal Pits: On the Origin of the First Cortical Folds. <i>Cerebral Cortex</i> , 2018, 28, 1922-1933.	2.9	59
14	Rsu1 regulates ethanol consumption in <i>Drosophila</i> and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4085-93.	7.1	57
15	Cannabis use in early adolescence: Evidence of amygdala hypersensitivity to signals of threat. <i>Developmental Cognitive Neuroscience</i> , 2015, 16, 63-70.	4.0	54
16	Brain Regions Related to Impulsivity Mediate the Effects of Early Adversity on Antisocial Behavior. <i>Biological Psychiatry</i> , 2017, 82, 275-282.	1.3	54
17	Peer victimization and its impact on adolescent brain development and psychopathology. <i>Molecular Psychiatry</i> , 2020, 25, 3066-3076.	7.9	54
18	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420.	11.0	54

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19	Sex Differences in COMT Polymorphism Effects on Prefrontal Inhibitory Control in Adolescence. <i>Neuropsychopharmacology</i> , 2014, 39, 2560-2569.	5.4	53
20	Neural basis of reward anticipation and its genetic determinants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3879-3884.	7.1	53
21	No Differences in Hippocampal Volume between Carriers and Non-Carriers of the ApoE ϵ 4 and ϵ 2 Alleles in Young Healthy Adolescents. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 37-43.	2.6	51
22	Genomic architecture of human neuroanatomical diversity. <i>Molecular Psychiatry</i> , 2015, 20, 1011-1016.	7.9	50
23	Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020, 25, 584-602.	7.9	49
24	Identifying disordered eating behaviours in adolescents: how do parent and adolescent reports differ by sex and age?. <i>European Child and Adolescent Psychiatry</i> , 2017, 26, 691-701.	4.7	48
25	New evidence of factor structure and measurement invariance of the SDQ across five European nations. <i>European Child and Adolescent Psychiatry</i> , 2015, 24, 1523-1534.	4.7	47
26	The IMAGEN study: a decade of imaging genetics in adolescents. <i>Molecular Psychiatry</i> , 2020, 25, 2648-2671.	7.9	46
27	Personality and Substance Use: Psychometric Evaluation and Validation of the Substance Use Risk Profile Scale (<scp>SURPS</scp>) in English, Irish, French, and German Adolescents. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 2234-2248.	2.4	41
28	Subthreshold Depression and Regional Brain Volumes in Young Community Adolescents. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 832-840.	0.5	41
29	Clinical, molecular, and radiomic profile of gliomas with FGFR3-TACC3 fusions. <i>Neuro-Oncology</i> , 2020, 22, 1614-1624.	1.2	41
30	Polygenic Risk of Psychosis and Ventral Striatal Activation During Reward Processing in Healthy Adolescents. <i>JAMA Psychiatry</i> , 2016, 73, 852.	11.0	40
31	EFhd2/Swiprosin-1 is a common genetic determinant for sensation-seeking/low anxiety and alcohol addiction. <i>Molecular Psychiatry</i> , 2018, 23, 1303-1319.	7.9	40
32	Identifying biological markers for improved precision medicine in psychiatry. <i>Molecular Psychiatry</i> , 2020, 25, 243-253.	7.9	40
33	Very large fMRI study using the IMAGEN database: Sensitivityâ€“specificity and population effect modeling in relation to the underlying anatomy. <i>NeuroImage</i> , 2012, 61, 295-303.	4.2	39
34	Inattention and Reaction Time Variability Are Linked to Ventromedial Prefrontal Volume in Adolescents. <i>Biological Psychiatry</i> , 2017, 82, 660-668.	1.3	38
35	Identification of neurobehavioural symptom groups based on shared brain mechanisms. <i>Nature Human Behaviour</i> , 2019, 3, 1306-1318.	12.0	37
36	Distinct brain structure and behavior related to ADHD and conduct disorder traits. <i>Molecular Psychiatry</i> , 2020, 25, 3020-3033.	7.9	37

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37	A Multi-Cohort Study of ApoE ϵ 4 and Amyloid- β Effects on the Hippocampus in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 1159-1174.	2.6	36
38	Separate neural systems for behavioral change and for emotional responses to failure during behavioral inhibition. <i>Human Brain Mapping</i> , 2017, 38, 3527-3537.	3.6	35
39	Do ADHD-impulsivity and BMI have shared polygenic and neural correlates?. <i>Molecular Psychiatry</i> , 2021, 26, 1019-1028.	7.9	35
40	Psychosocial Stress and Brain Function in Adolescent Psychopathology. <i>American Journal of Psychiatry</i> , 2017, 174, 785-794.	7.2	34
41	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. <i>Molecular Psychiatry</i> , 2021, 26, 3884-3895.	7.9	34
42	Functional Neuroimaging Predictors of Self-Reported Psychotic Symptoms in Adolescents. <i>American Journal of Psychiatry</i> , 2017, 174, 566-575.	7.2	32
43	The initiation of cannabis use in adolescence is predicted by sex-specific psychosocial and neurobiological features. <i>European Journal of Neuroscience</i> , 2019, 50, 2346-2356.	2.6	32
44	DRD2/ANKK1 Polymorphism Modulates the Effect of Ventral Striatal Activation on Working Memory Performance. <i>Neuropsychopharmacology</i> , 2014, 39, 2357-2365.	5.4	31
45	Kernel Generalized Canonical Correlation Analysis. <i>Computational Statistics and Data Analysis</i> , 2015, 90, 114-131.	1.2	31
46	BDNF Val66Met and reward-related brain function in adolescents: role for early alcohol consumption. <i>Alcohol</i> , 2015, 49, 103-110.	1.7	28
47	The chaotic morphology of the left superior temporal sulcus is genetically constrained. <i>NeuroImage</i> , 2018, 174, 297-307.	4.2	27
48	Brain substrates of reward processing and the μ -opioid receptor: a pathway into pain?. <i>Pain</i> , 2017, 158, 212-219.	4.2	26
49	Early Variations in White Matter Microstructure and Depression Outcome in Adolescents With Subthreshold Depression. <i>American Journal of Psychiatry</i> , 2018, 175, 1255-1264.	7.2	26
50	Examination of the Neural Basis of Psychoticlike Experiences in Adolescence During Reward Processing. <i>JAMA Psychiatry</i> , 2018, 75, 1043.	11.0	25
51	Substance Use Initiation, Particularly Alcohol, in Drug-Naïve Adolescents: Possible Predictors and Consequences From a Large Cohort Naturalistic Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 623-636.	0.5	25
52	Plis de passage Deserve a Role in Models of the Cortical Folding Process. <i>Brain Topography</i> , 2019, 32, 1035-1048.	1.8	24
53	Cortical Surfaces Mediate the Relationship Between Polygenic Scores for Intelligence and General Intelligence. <i>Cerebral Cortex</i> , 2020, 30, 2708-2719.	2.9	24
54	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	4.8	24

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55	The Arf6 activator Efa6/PSD3 confers regional specificity and modulates ethanol consumption in <i>Drosophila</i> and humans. <i>Molecular Psychiatry</i> , 2018, 23, 621-628.	7.9	23
56	Epigenetic variance in dopamine D2 receptor: a marker of IQ malleability?. <i>Translational Psychiatry</i> , 2018, 8, 169.	4.8	23
57	Reward Versus Nonreward Sensitivity of the Medial Versus Lateral Orbitofrontal Cortex Relates to the Severity of Depressive Symptoms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 259-269.	1.5	23
58	White matter microstructure is associated with hyperactive/inattentive symptomatology and polygenic risk for attention-deficit/hyperactivity disorder in a population-based sample of adolescents. <i>Neuropsychopharmacology</i> , 2019, 44, 1597-1603.	5.4	22
59	eQTL of <i>KCNK2</i> regionally influences the brain sulcal widening: evidence from 15,597 UK Biobank participants with neuroimaging data. <i>Brain Structure and Function</i> , 2019, 224, 847-857.	2.3	21
60	Ventral Striatum Connectivity During Reward Anticipation in Adolescent Smokers. <i>Developmental Neuropsychology</i> , 2016, 41, 6-21.	1.4	20
61	Cerebellar Atypicalities in Autism?. <i>Biological Psychiatry</i> , 2022, 92, 674-682.	1.3	20
62	Impact of a Common Genetic Variation Associated With Putamen Volume on Neural Mechanisms of Attention-Deficit/Hyperactivity Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2017, 56, 436-444.e4.	0.5	19
63	Neural Correlates of Adolescent Irritability and Its Comorbidity With Psychiatric Disorders. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2020, 59, 1371-1379.	0.5	18
64	Tract Based Spatial Statistic Reveals No Differences in White Matter Microstructural Organization between Carriers and Non-Carriers of the APOE ϵ 4 and ϵ 2 Alleles in Young Healthy Adolescents. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 977-984.	2.6	17
65	Extending the Construct Network of Trait Disinhibition to the Neuroimaging Domain: Validation of a Bridging Scale for Use in the European IMAGEN Project. <i>Assessment</i> , 2019, 26, 567-581.	3.1	17
66	Disentangling the autism $\hat{=}$ anxiety overlap: fMRI of reward processing in a community-based longitudinal study. <i>Translational Psychiatry</i> , 2016, 6, e845-e845.	4.8	16
67	Overdominant Effect of a <i>CHRNA4</i> Polymorphism on Cingulo-Opercular Network Activity and Cognitive Control. <i>Journal of Neuroscience</i> , 2017, 37, 9657-9666.	3.6	16
68	Shared genetic aetiology between cognitive performance and brain activations in language and math tasks. <i>Scientific Reports</i> , 2018, 8, 17624.	3.3	16
69	Genetic risk for schizophrenia and autism, social impairment and developmental pathways to psychosis. <i>Translational Psychiatry</i> , 2018, 8, 204.	4.8	16
70	Ventromedial Prefrontal Volume in Adolescence Predicts Hyperactive/Inattentive Symptoms in Adulthood. <i>Cerebral Cortex</i> , 2019, 29, 1866-1874.	2.9	16
71	A translational systems biology approach in both animals and humans identifies a functionally related module of accumbal genes involved in the regulation of reward processing and binge drinking in males. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, 192-202.	2.4	16
72	Neural correlates of three types of negative life events during angry face processing in adolescents. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1961-1969.	3.0	15

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73	Robust regression for large-scale neuroimaging studies. <i>NeuroImage</i> , 2015, 111, 431-441.	4.2	14
74	Allele-Specific Methylation of <i>SPDEF</i> : A Novel Moderator of Psychosocial Stress and Substance Abuse. <i>American Journal of Psychiatry</i> , 2019, 176, 146-155.	7.2	14
75	Neural Correlates of the Dual-Pathway Model for ADHD in Adolescents. <i>American Journal of Psychiatry</i> , 2020, 177, 844-854.	7.2	14
76	The genetic architecture of language functional connectivity. <i>NeuroImage</i> , 2022, 249, 118795.	4.2	14
77	A neurobiological pathway to smoking in adolescence: TTC12-ANKK1-DRD2 variants and reward response. <i>European Neuropsychopharmacology</i> , 2018, 28, 1103-1114.	0.7	12
78	Enhancer Locus in ch14q23.1 Modulates Brain Asymmetric Temporal Regions Involved in Language Processing. <i>Cerebral Cortex</i> , 2020, 30, 5322-5332.	2.9	12
79	Machine learning patterns for neuroimaging-genetic studies in the cloud. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 31.	2.5	11
80	Interaction between striatal volume and DAT1 polymorphism predicts working memory development during adolescence. <i>Developmental Cognitive Neuroscience</i> , 2018, 30, 191-199.	4.0	10
81	Methylation of <i>OPRL1</i> mediates the effect of psychosocial stress on binge drinking in adolescents. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2018, 59, 650-658.	5.2	10
82	The Cortical Neuroimmune Regulator TANK Affects Emotional Processing and Enhances Alcohol Drinking: A Translational Study. <i>Cerebral Cortex</i> , 2019, 29, 1736-1751.	2.9	10
83	Personality, Attentional Biases towards Emotional Faces and Symptoms of Mental Disorders in an Adolescent Sample. <i>PLoS ONE</i> , 2015, 10, e0128271.	2.5	10
84	Dimensions of manic symptoms in youth: psychosocial impairment and cognitive performance in the IMAGEN sample. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2014, 55, 1380-1389.	5.2	9
85	Individual differences in stop-related activity are inflated by the adaptive algorithm in the stop signal task. <i>Human Brain Mapping</i> , 2018, 39, 3263-3276.	3.6	9
86	Object Detection Improves Tumour Segmentation in MR Images of Rare Brain Tumours. <i>Cancers</i> , 2021, 13, 6113.	3.7	9
87	Cortical signatures in behaviorally clustered autistic traits subgroups: a population-based study. <i>Translational Psychiatry</i> , 2020, 10, 207.	4.8	8
88	Continuation of Nesterov's Smoothing for Regression With Structured Sparsity in High-Dimensional Neuroimaging. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2403-2413.	8.9	6
89	The role of the cannabinoid receptor in adolescents' processing of facial expressions. <i>European Journal of Neuroscience</i> , 2016, 43, 98-105.	2.6	5
90	Statistical Shape Analysis of Large Datasets Based on Diffeomorphic Iterative Centroids. <i>Frontiers in Neuroscience</i> , 2018, 12, 803.	2.8	5

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91	Heritability of surface area and cortical thickness: a comparison between the Human Connectome Project and the UK Biobank dataset. , 2019, , .		4
92	A study of feasibility for genome-wide haplotype association of complex traits in imaging genetics. , 2018, , .		2
93	Multivariate Haplotype Analysis Of 96 Sulci Opening For 15,612 UK-Biobank Subjects. , 2019, , .		2
94	Genome-wide haplotype association study in imaging genetics using whole-brain sulcal openings of 16,304 UK Biobank subjects. European Journal of Human Genetics, 2021, 29, 1424-1437.	2.8	1
95	Prediction Performance of Radiomic Features When Obtained using an Object Detection Framework. , 2021, , .		1