

Herve Lemaitre

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

6,076
citations

109321

35
h-index

82547

72
g-index

101
all docs

101
docs citations

101
times ranked

11345
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	A common allele in the oxytocin receptor gene (<i>OXTR</i>) impacts prosocial temperament and human hypothalamic-limbic structure and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13936-13941.	7.1	504
4	Normal age-related brain morphometric changes: nonuniformity across cortical thickness, surface area and gray matter volume?. <i>Neurobiology of Aging</i> , 2012, 33, 617.e1-617.e9.	3.1	406
5	Age- and sex-related effects on the neuroanatomy of healthy elderly. <i>NeuroImage</i> , 2005, 26, 900-911.	4.2	257
6	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
7	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
8	Heritability of fractional anisotropy in human white matter: A comparison of Human Connectome Project and ENIGMA-DTI data. <i>NeuroImage</i> , 2015, 111, 300-311.	4.2	227
9	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
10	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
11	Prefrontal cortical abnormalities in currently depressed versus currently remitted patients with major depressive disorder. <i>NeuroImage</i> , 2011, 54, 2643-2651.	4.2	170
12	Early Cannabis Use, Polygenic Risk Score for Schizophrenia and Brain Maturation in Adolescence. <i>JAMA Psychiatry</i> , 2015, 72, 1002.	11.0	156
13	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , 2017, 11, 1497-1514.	2.1	144
14	Multi-site study of additive genetic effects on fractional anisotropy of cerebral white matter: Comparing meta and mega-analytical approaches for data pooling. <i>NeuroImage</i> , 2014, 95, 136-150.	4.2	127
15	Comparison of EPI Distortion Correction Methods in Diffusion Tensor MRI Using a Novel Framework. <i>Lecture Notes in Computer Science</i> , 2008, 11, 321-329.	1.3	97
16	No ϵ 4 gene dose effect on hippocampal atrophy in a large MRI database of healthy elderly subjects. <i>NeuroImage</i> , 2005, 24, 1205-1213.	4.2	92
17	Sleep habits, academic performance, and the adolescent brain structure. <i>Scientific Reports</i> , 2017, 7, 41678.	3.3	77
18	Effects of ApoE ϵ 4 allele load and age on the rates of grey matter and hippocampal volumes loss in a longitudinal cohort of 1186 healthy elderly persons. <i>NeuroImage</i> , 2010, 53, 1064-1069.	4.2	75

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19	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
20	Automated Quality Assessment of Structural Magnetic Resonance Brain Images Based on a Supervised Machine Learning Algorithm. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 52.	2.5	66
21	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
22	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
23	Effects of the BDNF Val66Met Polymorphism on White Matter Microstructure in Healthy Adults. <i>Neuropsychopharmacology</i> , 2013, 38, 525-532.	5.4	52
24	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
25	Genomic architecture of human neuroanatomical diversity. <i>Molecular Psychiatry</i> , 2015, 20, 1011-1016.	7.9	50
26	Incomplete Hippocampal Inversion: A Comprehensive MRI Study of Over 2000 Subjects. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 160.	1.7	47
27	The IMAGEN study: a decade of imaging genetics in adolescents. <i>Molecular Psychiatry</i> , 2020, 25, 2648-2671.	7.9	46
28	Baseline Brain Metabolism in Resistant Depression and Response to Transcranial Magnetic Stimulation. <i>Neuropsychopharmacology</i> , 2011, 36, 2710-2719.	5.4	45
29	Resilience and corpus callosum microstructure in adolescence. <i>Psychological Medicine</i> , 2015, 45, 2285-2294.	4.5	45
30	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
31	Cerebral Blood Flow Improvement after Indirect Revascularization for Pediatric Moyamoya Disease: A Statistical Analysis of Arterial Spin-Labeling MRI. <i>American Journal of Neuroradiology</i> , 2016, 37, 706-712.	2.4	41
32	BNDF modulates normal human hippocampal ageing. <i>Molecular Psychiatry</i> , 2010, 15, 116-118.	7.9	40
33	Polygenic Risk of Psychosis and Ventral Striatal Activation During Reward Processing in Healthy Adolescents. <i>JAMA Psychiatry</i> , 2016, 73, 852.	11.0	40
34	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
35	Pubertal maturation and sex effects on the default-mode network connectivity implicated in mood dysregulation. <i>Translational Psychiatry</i> , 2019, 9, 103.	4.8	40
36	White-matter microstructure and gray-matter volumes in adolescents with subthreshold bipolar symptoms. <i>Molecular Psychiatry</i> , 2014, 19, 462-470.	7.9	37

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37	Identification of neurobehavioural symptom groups based on shared brain mechanisms. <i>Nature Human Behaviour</i> , 2019, 3, 1306-1318.	12.0	37
38	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
39	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
40	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
41	Neural Correlates of Failed Inhibitory Control as an Early Marker of Disordered Eating in Adolescents. <i>Biological Psychiatry</i> , 2019, 85, 956-965.	1.3	29
42	WWC1 Genotype Modulates Age-Related Decline in Episodic Memory Function Across the Adult Life Span. <i>Biological Psychiatry</i> , 2014, 75, 693-700.	1.3	28
43	Normal aging modulates prefrontoparietal networks underlying multiple memory processes. <i>European Journal of Neuroscience</i> , 2012, 36, 3559-3567.	2.6	26
44	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
45	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
46	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
47	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
48	Genetic Variation in FGF20 Modulates Hippocampal Biology. <i>Journal of Neuroscience</i> , 2010, 30, 5992-5997.	3.6	21
49	Neuroimaging evidence of brain abnormalities in mastocytosis. <i>Translational Psychiatry</i> , 2017, 7, e1197-e1197.	4.8	21
50	eQTL of KCNK2 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
51	No Effect of a Common Allelic Variant in the Reelin Gene on Intermediate Phenotype Measures of Brain Structure, Brain Function, and Gene Expression. <i>Biological Psychiatry</i> , 2010, 68, 105-107.	1.3	20
52	Tuning Eye-Gaze Perception by Transitory STS Inhibition. <i>Cerebral Cortex</i> , 2016, 26, 2823-2831.	2.9	19
53	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
54	Amygdala and regional volumes in treatment-resistant versus nontreatment-resistant depression patients. <i>Depression and Anxiety</i> , 2017, 34, 1065-1071.	4.1	17

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55	Modulation of orbitofrontal-striatal reward activity by dopaminergic functional polymorphisms contributes to a predisposition to alcohol misuse in early adolescence. <i>Psychological Medicine</i> , 2019, 49, 801-810.	4.5	17
56	Anatomical and functional abnormalities on MRI in kabuki syndrome. <i>NeuroImage: Clinical</i> , 2019, 21, 101610.	2.7	17
57	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
58	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
59	Low Smoking Exposure, the Adolescent Brain, and the Modulating Role of <i>CHRNA5</i> Polymorphisms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 672-679.	1.5	15
60	Robust regression for large-scale neuroimaging studies. <i>NeuroImage</i> , 2015, 111, 431-441.	4.2	14
61	The Influence of Study-Level Inference Models and Study Set Size on Coordinate-Based fMRI Meta-Analyses. <i>Frontiers in Neuroscience</i> , 2017, 11, 745.	2.8	14
62	Central nervous system complications in adult cystinosis patients. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 348-356.	3.6	14
63	Sex effects on structural maturation of the limbic system and outcomes on emotional regulation during adolescence. <i>NeuroImage</i> , 2020, 210, 116441.	4.2	13
64	Family history of alcohol use disorder is associated with brain structural and functional changes in healthy first-degree relatives. <i>European Psychiatry</i> , 2019, 62, 107-115.	0.2	12
65	Machine learning patterns for neuroimaging-genetic studies in the cloud. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 31.	2.5	11
66	Rest Functional Brain Maturation during the First Year of Life. <i>Cerebral Cortex</i> , 2021, 31, 1776-1785.	2.9	11
67	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
68	A CBF decrease in the left supplementary motor areas: New insight into postoperative pediatric cerebellar mutism syndrome using arterial spin labeling perfusion MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 3339-3349.	4.3	10
69	Predicting Depression Onset in Young People Based on Clinical, Cognitive, Environmental, and Neurobiological Data. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 376-384.	1.5	9
70	Neural and behavioral signature of human social perception. <i>Scientific Reports</i> , 2019, 9, 9252.	3.3	8
71	Genome wide association study of incomplete hippocampal inversion in adolescents. <i>PLoS ONE</i> , 2020, 15, e0227355.	2.5	8
72	Cannabis-Associated Psychotic-like Experiences Are Mediated by Developmental Changes in the Parahippocampal Gyrus. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2020, 59, 642-649.	0.5	7

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73	Neuroimaging evidence for structural correlates in adolescents resilient to polysubstance use: A five-year follow-up study. <i>European Neuropsychopharmacology</i> , 2021, 49, 11-22.	0.7	7
74	Bayesian causal network modeling suggests adolescent cannabis use accelerates prefrontal cortical thinning. <i>Translational Psychiatry</i> , 2022, 12, 188.	4.8	7
75	Irregular sleep habits, regional grey matter volumes, and psychological functioning in adolescents. <i>PLoS ONE</i> , 2021, 16, e0243720.	2.5	6
76	Neuropsychological Impairment in Detoxified Alcohol-Dependent Subjects with Preserved Psychosocial Functioning. <i>Frontiers in Psychiatry</i> , 2017, 8, 193.	2.6	4
77	Heavy drinking in adolescents is associated with change in brainstem microstructure and reward sensitivity. <i>Addiction Biology</i> , 2020, 25, e12781.	2.6	4
78	Chronotype, Longitudinal Volumetric Brain Variations Throughout Adolescence and Depressive Symptom Development. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2022, , .	0.5	4
79	Sex-related differences in frequency and perception of stressful life events during adolescence. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2016, 24, 365-374.	1.6	3
80	Arterial spin labeling brain MRI study to evaluate the impact of deafness on cerebral perfusion in 79 children before cochlear implantation. <i>NeuroImage: Clinical</i> , 2021, 29, 102510.	2.7	3
81	Sex differences in neural correlates of common psychopathological symptoms in early adolescence. <i>Psychological Medicine</i> , 2022, 52, 3086-3096.	4.5	3
82	Posterior Fossa Arachnoid Cyst in a Pediatric Population is Associated with Social Perception and Rest Cerebral Blood Flow Abnormalities. <i>Cerebellum</i> , 2020, 19, 58-67.	2.5	2
83	A DEVELOPMENTAL PERSPECTIVE ON FACETS OF IMPULSIVITY AND BRAIN ACTIVITY CORRELATES FROM ADOLESCENCE TO ADULTHOOD. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, , .	1.5	2
84	2.20 RESTING-STATE CEREBRAL BLOOD FLOW IN THE SUPERIOR TEMPORAL SULCUS CORRELATES WITH SOCIAL PERCEPTION IMPAIRMENTS IN CHILDREN WITH AUTISM SPECTRUM DISORDER. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, S127.	0.5	1
85	Predictive utility of the NEO-FFI for later substance experiences among 16-year-old adolescents. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2016, 24, 489-495.	1.6	0
86	112. Pubertal Changes Affect Intrinsic Functional Brain Connectivity of mPFC and PCC Differently in Boys and Girls: A Potential Contributor to Vulnerability to Mood Disorders. <i>Biological Psychiatry</i> , 2017, 81, S47.	1.3	0
87	78. Adolescent Impulsivity Phenotypes Characterized by Distinct Brain Networks: A 4-Year Follow up. <i>Biological Psychiatry</i> , 2018, 83, S32-S33.	1.3	0
88	F51. Putative Causal Relationship Among Polygenic Scores, Cortical Surfaces, and General Intelligence. <i>Biological Psychiatry</i> , 2019, 85, S232.	1.3	0