

Fabrice Crivello

List of Publications by Year in descending order

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102
papers

26,592
citations

29994

54
h-index

33814

99
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129
all docs

129
docs citations

129
times ranked

26844
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Anatomical Labeling of Activations in SPM Using a Macroscopic Anatomical Parcellation of the MNI MRI Single-Subject Brain. <i>NeuroImage</i> , 2002, 15, 273-289.	2.1	14,089
2	Meta-analyzing left hemisphere language areas: Phonology, semantics, and sentence processing. <i>NeuroImage</i> , 2006, 30, 1414-1432.	2.1	1,573
3	Cortical networks for working memory and executive functions sustain the conscious resting state in man. <i>Brain Research Bulletin</i> , 2001, 54, 287-298.	1.4	837
4	Evaluation of the dual route theory of reading: a metaanalysis of 35 neuroimaging studies. <i>NeuroImage</i> , 2003, 20, 693-712.	2.1	802
5	Mental navigation along memorized routes activates the hippocampus, precuneus, and insula. <i>NeuroReport</i> , 1997, 8, 739-744.	0.6	408
6	What is right-hemisphere contribution to phonological, lexico-semantic, and sentence processing?. <i>NeuroImage</i> , 2011, 54, 577-593.	2.1	383
7	Neural Correlates of Simple and Complex Mental Calculation. <i>NeuroImage</i> , 2001, 13, 314-327.	2.1	370
8	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163.	3.3	299
9	Brain activity at rest: a multiscale hierarchical functional organization. <i>Journal of Neurophysiology</i> , 2011, 105, 2753-2763.	0.9	287
10	Functional Anatomy of a Prelearned Sequence of Horizontal Saccades in Humans. <i>Journal of Neuroscience</i> , 1996, 16, 3714-3726.	1.7	280
11	Functional Anatomy of Spatial Mental Imagery Generated from Verbal Instructions. <i>Journal of Neuroscience</i> , 1996, 16, 6504-6512.	1.7	278
12	Age- and sex-related effects on the neuroanatomy of healthy elderly. <i>NeuroImage</i> , 2005, 26, 900-911.	2.1	257
13	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	5.8	250
14	Gaussian Mixture Modeling of Hemispheric Lateralization for Language in a Large Sample of Healthy Individuals Balanced for Handedness. <i>PLoS ONE</i> , 2014, 9, e101165.	1.1	246
15	Neural Correlates of Woman Face Processing by 2-Month-Old Infants. <i>NeuroImage</i> , 2002, 15, 454-461.	2.1	240
16	AICHA: An atlas of intrinsic connectivity of homotopic areas. <i>Journal of Neuroscience Methods</i> , 2015, 254, 46-59.	1.3	232
17	Common variants at 12q14 and 12q24 are associated with hippocampal volume. <i>Nature Genetics</i> , 2012, 44, 545-551.	9.4	212
18	Functional Anatomy of Dominance for Speech Comprehension in Left Handers vs Right Handers. <i>NeuroImage</i> , 1998, 8, 1-16.	2.1	203

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19	Functional Anatomy of Human Auditory Attention Studied with PET. <i>NeuroImage</i> , 1997, 5, 63-77.	2.1	200
20	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	9.4	192
21	Handedness and cerebral anatomical asymmetries in young adult males. <i>NeuroImage</i> , 2006, 29, 1066-1079.	2.1	187
22	Mental calculation in a prodigy is sustained by right prefrontal and medial temporal areas. <i>Nature Neuroscience</i> , 2001, 4, 103-107.	7.1	166
23	Multiethnic Genome-Wide Association Study of Cerebral White Matter Hyperintensities on MRI. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 398-409.	5.1	162
24	Longitudinal neuroimaging correlates of subjective memory impairment: 4-year prospective community study. <i>British Journal of Psychiatry</i> , 2011, 198, 199-205.	1.7	147
25	The resting state questionnaire: An introspective questionnaire for evaluation of inner experience during the conscious resting state. <i>Brain Research Bulletin</i> , 2010, 81, 565-573.	1.4	146
26	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.	1.1	144
27	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. <i>Human Brain Mapping</i> , 2022, 43, 431-451.	1.9	143
28	White Matter Lesions as a Predictor of Depression in the Elderly: The 3C-Dijon Study. <i>Biological Psychiatry</i> , 2008, 63, 663-669.	0.7	137
29	Access to Deductive Logic Depends on a Right Ventromedial Prefrontal Area Devoted to Emotion and Feeling: Evidence from a Training Paradigm. <i>NeuroImage</i> , 2001, 14, 1486-1492.	2.1	125
30	Interindividual variability in the hemispheric organization for speech. <i>NeuroImage</i> , 2004, 21, 422-435.	2.1	114
31	Cortical Terminations of the Inferior Fronto-Occipital and Uncinate Fasciculi: Anatomical Stem-Based Virtual Dissection. <i>Frontiers in Neuroanatomy</i> , 2016, 10, 58.	0.9	114
32	White matter lesions volume and motor performances in the elderly. <i>Annals of Neurology</i> , 2009, 65, 706-715.	2.8	109
33	Neuroimaging correlates of subjective memory deficits in a community population. <i>Neurology</i> , 2008, 70, 1601-1607.	1.5	104
34	Joint Effect of White Matter Lesions and Hippocampal Volumes on Severity of Cognitive Decline: The 3C-Dijon MRI Study. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 453-463.	1.2	97
35	Patterns of hemodynamic low-frequency oscillations in the brain are modulated by the nature of free thought during rest. <i>NeuroImage</i> , 2012, 59, 3194-3200.	2.1	96
36	No $\epsilon 4$ gene dose effect on hippocampal atrophy in a large MRI database of healthy elderly subjects. <i>NeuroImage</i> , 2005, 24, 1205-1213.	2.1	92

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37	Comparison of spatial normalization procedures and their impact on functional maps. <i>Human Brain Mapping</i> , 2002, 16, 228-250.	1.9	91
38	Plasma long-chain omega-3 fatty acids and atrophy of the medial temporal lobe. <i>Neurology</i> , 2012, 79, 642-650.	1.5	91
39	Revisiting the human uncinate fasciculus, its subcomponents and asymmetries with stem-based tractography and microdissection validation. <i>Brain Structure and Function</i> , 2017, 222, 1645-1662.	1.2	91
40	Descriptive anatomy of Heschl's gyri in 430 healthy volunteers, including 198 left-handers. <i>Brain Structure and Function</i> , 2015, 220, 729-743.	1.2	89
41	An automated procedure for the assessment of white matter hyperintensities by multispectral (T1, T2, T2*) MRI. <i>Neuroradiology</i> , 2008, 50, 31-42.	1.1	86
42	Longitudinal Assessment of Global and Regional Rate of Grey Matter Atrophy in 1,172 Healthy Older Adults: Modulation by Sex and Age. <i>PLoS ONE</i> , 2014, 9, e114478.	1.1	82
43	BIL&GIN: A neuroimaging, cognitive, behavioral, and genetic database for the study of human brain lateralization. <i>NeuroImage</i> , 2016, 124, 1225-1231.	2.1	81
44	Left planum temporale: an anatomical marker of left hemispheric specialization for language comprehension. <i>Cognitive Brain Research</i> , 2003, 18, 1-14.	3.3	77
45	Greater male than female variability in regional brain structure across the lifespan. <i>Human Brain Mapping</i> , 2022, 43, 470-499.	1.9	76
46	Effects of ApoE-ε4 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.	2.1	75
47	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3-90 years. <i>Human Brain Mapping</i> , 2022, 43, 452-469.	1.9	72
48	The genetic architecture of structural left-right asymmetry of the human brain. <i>Nature Human Behaviour</i> , 2021, 5, 1226-1239.	6.2	70
49	PET study of the human foveal fixation system. <i>Human Brain Mapping</i> , 1999, 8, 28-43.	1.9	69
50	A PET meta-analysis of object and spatial mental imagery. <i>European Journal of Cognitive Psychology</i> , 2004, 16, 673-695.	1.3	67
51	Association of White-Matter Lesions with Brain Atrophy Markers: The Three-City Dijon MRI Study. <i>Cerebrovascular Diseases</i> , 2009, 28, 177-184.	0.8	65
52	Regional correlations between cortical thickness and surface area asymmetries: A surface-based morphometry study of 250 adults. <i>Neuropsychologia</i> , 2016, 93, 350-364.	0.7	63
53	Neural Basis of Mental Scanning of a Topographic Representation Built from a Text. <i>Cerebral Cortex</i> , 2002, 12, 1322-1330.	1.6	62
54	MRI atrophy of the caudate nucleus and slower walking speed in the elderly. <i>NeuroImage</i> , 2012, 60, 871-878.	2.1	62

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55	Plasma lipids and cerebral small vessel disease. <i>Neurology</i> , 2014, 83, 1844-1852.	1.5	61
56	Abdominal obesity and lower gray matter volume: a Mendelian randomization study. <i>Neurobiology of Aging</i> , 2014, 35, 378-386.	1.5	61
57	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	5.8	61
58	Depression, depressive symptoms, and rate of hippocampal atrophy in a longitudinal cohort of older men and women. <i>Psychological Medicine</i> , 2015, 45, 1931-1944.	2.7	59
59	A SENSITIVE Supramodal Areas Atlas (SENSAAS) based on multiple task-induced activation mapping and graph analysis of intrinsic connectivity in 144 healthy right-handers. <i>Brain Structure and Function</i> , 2019, 224, 859-882.	1.2	58
60	Finger tapping, handedness and grey matter amount in the Rolando's genu area. <i>NeuroImage</i> , 2005, 25, 1133-1145.	2.1	55
61	Strong rightward lateralization of the dorsal attentional network in left-handers with right sighting eye: An evolutionary advantage. <i>Human Brain Mapping</i> , 2015, 36, 1151-1164.	1.9	53
62	Hemispheric specialization for language: Brain volume matters. <i>Brain Research</i> , 2006, 1068, 184-193.	1.1	52
63	Association of a Schizophrenia-Risk Nonsynonymous Variant With Putamen Volume in Adolescents. <i>JAMA Psychiatry</i> , 2019, 76, 435.	6.0	51
64	Weak language lateralization affects both verbal and spatial skills: An fMRI study in 297 subjects. <i>Neuropsychologia</i> , 2014, 65, 56-62.	0.7	48
65	A population-based atlas of the human pyramidal tract in 410 healthy participants. <i>Brain Structure and Function</i> , 2019, 224, 599-612.	1.2	48
66	Functional Asymmetries Revealed in Visually Guided Saccades: An fMRI Study. <i>Journal of Neurophysiology</i> , 2009, 102, 2994-3003.	0.9	47
67	Left Hemisphere Lateralization for Language in Right-Handers Is Controlled in Part by Familial Sinistrality, Manual Preference Strength, and Head Size. <i>Journal of Neuroscience</i> , 2010, 30, 13314-13318.	1.7	46
68	Effect of Familial Sinistrality on Planum Temporale Surface and Brain Tissue Asymmetries. <i>Cerebral Cortex</i> , 2010, 20, 1476-1485.	1.6	44
69	Between-hand difference in ipsilateral deactivation is associated with hand lateralization: fMRI mapping of 284 volunteers balanced for handedness. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 5.	1.0	42
70	Relationships between hand laterality and verbal and spatial skills in 436 healthy adults balanced for handedness. <i>Laterality</i> , 2014, 19, 383-404.	0.5	41
71	The association between hemispheric specialization for language production and for spatial attention depends on left-hand preference strength. <i>Neuropsychologia</i> , 2016, 93, 394-406.	0.7	41
72	Handedness and its genetic influences are associated with structural asymmetries of the cerebral cortex in 31,864 individuals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	41

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73	Heschl's gyrfication pattern is related to speech-listening hemispheric lateralization: fMRI investigation in 281 healthy volunteers. <i>Brain Structure and Function</i> , 2015, 220, 1585-1599.	1.2	39
74	Longitudinal follow-up of individual white matter hyperintensities in a large cohort of elderly. <i>Neuroradiology</i> , 2009, 51, 209-220.	1.1	35
75	Surface-Based Morphometry of Cortical Thickness and Surface Area Associated with Heschl's Gyri Duplications in 430 Healthy Volunteers. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 69.	1.0	30
76	Intersubject Variability in Functional Neuroanatomy of Silent Verb Generation: Assessment by a New Activation Detection Algorithm Based on Amplitude and Size Information. <i>NeuroImage</i> , 1995, 2, 253-263.	2.1	28
77	Anatomical Congruence of Metabolic and Electromagnetic Activation Signals during a Self-Paced Motor Task: A Combined PET-MEG Study. <i>NeuroImage</i> , 1998, 7, 337-351.	2.1	27
78	A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. <i>Communications Biology</i> , 2019, 2, 285.	2.0	27
79	Typical and atypical language brain organization based on intrinsic connectivity and multitask functional asymmetries. <i>ELife</i> , 2020, 9, .	2.8	27
80	Sex-related and tissue-specific effects of tobacco smoking on brain atrophy: assessment in a large longitudinal cohort of healthy elderly. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 299.	1.7	26
81	Is the planum temporale surface area a marker of hemispheric or regional language lateralization?. <i>Brain Structure and Function</i> , 2018, 223, 1217-1228.	1.2	26
82	Genetic effects on planum temporale asymmetry and their limited relevance to neurodevelopmental disorders, intelligence or educational attainment. <i>Cortex</i> , 2020, 124, 137-153.	1.1	26
83	Large-Scale Phenomic and Genomic Analysis of Brain Asymmetrical Skew. <i>Cerebral Cortex</i> , 2021, 31, 4151-4168.	1.6	26
84	Increased grey matter densities in schizophrenia patients with negative symptoms after treatment with quetiapine: a voxel-based morphometry study. <i>International Clinical Psychopharmacology</i> , 2009, 24, 34-41.	0.9	25
85	Plasma β -amyloid and MRI markers of cerebral small vessel disease. <i>Neurology</i> , 2014, 83, 2038-2045.	1.5	24
86	Use of anatomical parcellation to catalog and study structure-function relationships in the human brain. , 1997, 5, 228-232.		21
87	Life-Course Socioeconomic Position and Hippocampal Atrophy in a Prospective Cohort of Older Adults. <i>Psychosomatic Medicine</i> , 2017, 79, 14-23.	1.3	19
88	A Novel Group ICA Approach Based on Multi-scale Individual Component Clustering. Application to a Large Sample of fMRI Data. <i>Neuroinformatics</i> , 2012, 10, 269-285.	1.5	17
89	Sex-dependent modulation of activity in the neural networks engaged during emotional speech comprehension. <i>Brain Research</i> , 2011, 1390, 108-117.	1.1	16
90	Hippocampal Atrophy and Subsequent Depressive Symptoms in Older Men and Women: Results From a 10-Year Prospective Cohort. <i>American Journal of Epidemiology</i> , 2014, 180, 385-393.	1.6	16

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91	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , 2020, 30, 4121-4139.	1.6	16
92	Fish Intake and MRI Burden of Cerebrovascular Disease in Older Adults. <i>Neurology</i> , 2021, 97, e2213-e2222.	1.5	12
93	The MRI-Share database: brain imaging in a cross-sectional cohort of 1870 university students. <i>Brain Structure and Function</i> , 2021, 226, 2057-2085.	1.2	11
94	Intracortical Myelination of Heschl's Gyrus and the Planum Temporale Varies With Heschl's Duplication Pattern and Rhyming Performance: An Investigation of 440 Healthy Volunteers. <i>Cerebral Cortex</i> , 2019, 29, 2072-2083.	1.6	7
95	Development of handedness, anatomical and functional brain lateralization. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 173, 99-105.	1.0	7
96	Novel characterization of the relationship between verbal list-learning outcomes and hippocampal subfields in healthy adults. <i>Human Brain Mapping</i> , 2021, 42, 5264-5277.	1.9	7
97	Gene-mapping study of extremes of cerebral small vessel disease reveals TRIM47 as a strong candidate. <i>Brain</i> , 2022, 145, 1992-2007.	3.7	6
98	Age-Related Variations in Regional White Matter Volumetry and Microstructure During the Post-adolescence Period: A Cross-Sectional Study of a Cohort of 1,713 University Students. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 692152.	1.2	5
99	Biological Underpinnings of Anatomic Consistency and Variability in the Human Brain. , 2000, , 449-463.		2
100	Genomic Studies Across the Lifespan Point to Early Mechanisms Determining Subcortical Volumes. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 616-628.	1.1	1
101	Brain, language, and handedness: a family affair. <i>Nature Precedings</i> , 2009, , .	0.1	0
102	Biological Underpinnings of Anatomic Consistency and Variability in the Human Brain. , 1993, , 525-540.		0