

Ferath Kherif

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

5,421
citations

101543

36
h-index

91884

69
g-index

98
all docs

98
docs citations

98
times ranked

8039
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical phenotype modulates brain's myelin and iron content in temporal lobe epilepsy. <i>Brain Structure and Function</i> , 2022, 227, 901-911.	2.3	3
2	Restoring statistical validity in group analyses of motion-corrupted MRI data. <i>Human Brain Mapping</i> , 2022, 43, 1973-1983.	3.6	20
3	Application of Mass Multivariate Analysis on Neuroimaging Data Sets for Precision Diagnostics of Depression. <i>Diagnostics</i> , 2022, 12, 469.	2.6	5
4	Brain plasticity dynamics during tactile Braille learning in sighted subjects: Multi-contrast MRI approach. <i>NeuroImage</i> , 2021, 227, 117613.	4.2	16
5	Apolipoprotein E allele 4 effects on Single-Subject Gray Matter Networks in Mild Cognitive Impairment. <i>NeuroImage: Clinical</i> , 2021, 32, 102799.	2.7	2
6	Apolipoprotein E4 effects on topological brain network organization in mild cognitive impairment. <i>Scientific Reports</i> , 2021, 11, 845.	3.3	6
7	Gradient of electro-convulsive therapy's antidepressant effects along the longitudinal hippocampal axis. <i>Translational Psychiatry</i> , 2021, 11, 191.	4.8	2
8	Mapping grip force to motor networks. <i>NeuroImage</i> , 2021, 229, 117735.	4.2	6
9	Temporal trajectory of brain tissue property changes induced by electroconvulsive therapy. <i>NeuroImage</i> , 2021, 232, 117895.	4.2	20
10	Brain tissue properties link cardio-vascular risk factors, mood and cognitive performance in the CoLaus PsyCoLaus epidemiological cohort. <i>Neurobiology of Aging</i> , 2021, 102, 50-63.	3.1	14
11	Multivariate Analysis of Structural and Functional Neuroimaging Can Inform Psychiatric Differential Diagnosis. <i>Diagnostics</i> , 2021, 11, 19.	2.6	13
12	Machine Learning for Health: Algorithm Auditing & Quality Control. <i>Journal of Medical Systems</i> , 2021, 45, 105.	3.6	23
13	Functional MRI in Depression's Multivariate Analysis of Emotional Task. <i>Journal of Medical and Biological Engineering</i> , 2020, 40, 535-544.	1.8	5
14	Remodeling of brain morphology in temporal lobe epilepsy. <i>Brain and Behavior</i> , 2020, 10, e01825.	2.2	3
15	Greater than the sum: Federated analyses in Alzheimer's disease using the Human Brain Project Medical Informatics Platform (MIP). <i>Alzheimer's and Dementia</i> , 2020, 16, e045717.	0.8	0
16	Explainable deep learning models for dementia identification via magnetic resonance imaging. <i>Alzheimer's and Dementia</i> , 2020, 16, e047636.	0.8	1
17	Mean Oxygen Saturation during Sleep Is Related to Specific Brain Atrophy Pattern. <i>Annals of Neurology</i> , 2020, 87, 921-930.	5.3	28
18	Towards a European health research and innovation cloud (HRIC). <i>Genome Medicine</i> , 2020, 12, 18.	8.2	46

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19	Converging patterns of aging-associated brain volume loss and tissue microstructure differences. <i>Neurobiology of Aging</i> , 2020, 88, 108-118.	3.1	43
20	Interactions between Personality, Depression, Anxiety and Cognition to Understand Early Stage of Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 782-791.	2.1	9
21	Neuro-Clinical Signatures of Language Impairments: A Theoretical Framework for Function-to-structure Mapping in Clinics. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 800-811.	2.1	6
22	Medical Informatics Platform (MIP): A Pilot Study Across Clinical Italian Cohorts. <i>Frontiers in Neurology</i> , 2020, 11, 1021.	2.4	10
23	Neuro-Clinical Signatures of Language Impairments after Acute Stroke: A VBQ Analysis of Quantitative Native CT Scans. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 792-799.	2.1	1
24	Example dataset for the hMRI toolbox. <i>Data in Brief</i> , 2019, 25, 104132.	1.0	24
25	Dopaminergic modulation of motor network compensatory mechanisms in Parkinson's disease. <i>Human Brain Mapping</i> , 2019, 40, 4397-4416.	3.6	4
26	Trajectories of brain remodeling in temporal lobe epilepsy. <i>Journal of Neurology</i> , 2019, 266, 3150-3159.	3.6	3
27	Evolution of white matter tract microstructure across the life span. <i>Human Brain Mapping</i> , 2019, 40, 2252-2268.	3.6	88
28	hMRI – A toolbox for quantitative MRI in neuroscience and clinical research. <i>NeuroImage</i> , 2019, 194, 191-210.	4.2	161
29	Spatial Resolution and Imaging Encoding fMRI Settings for Optimal Cortical and Subcortical Motor Somatotopy in the Human Brain. <i>Frontiers in Neuroscience</i> , 2019, 13, 571.	2.8	14
30	ICâ€œPâ€œ045: MEDICAL INFORMATICS PLATFORM (MIP): A VALIDATION STUDY ACROSS CLINICAL ITALIAN COHORTS. <i>Alzheimer's and Dementia</i> , 2019, 15, P48.	0.8	0
31	Cross-Validation of Functional MRI and Paranoid-Depressive Scale: Results From Multivariate Analysis. <i>Frontiers in Psychiatry</i> , 2019, 10, 869.	2.6	18
32	A nation-wide initiative for brain imaging and clinical phenotype data federation in Swiss university memory centres. <i>Current Opinion in Neurology</i> , 2019, 32, 557-563.	3.6	12
33	Association of a Schizophrenia-Risk Nonsynonymous Variant With Putamen Volume in Adolescents. <i>JAMA Psychiatry</i> , 2019, 76, 435.	11.0	51
34	Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. <i>Biological Psychiatry</i> , 2018, 84, 253-264.	1.3	56
35	Networks of myelin covariance. <i>Human Brain Mapping</i> , 2018, 39, 1532-1554.	3.6	36
36	Neuroticism, depression, and anxiety traits exacerbate the state of cognitive impairment and hippocampal vulnerability to Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 7, 107-114.	2.4	29

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37	Neurobiological origin of spurious brain morphological changes: A quantitative MRI study. <i>Human Brain Mapping</i> , 2016, 37, 1801-1815.	3.6	87
38	New tissue priors for improved automated classification of subcortical brain structures on MRI. <i>NeuroImage</i> , 2016, 130, 157-166.	4.2	104
39	Federating and Integrating What We Know About the Brain at All Scales: Computer Science Meets the Clinical Neurosciences. <i>Research and Perspectives in Neurosciences</i> , 2016, , 157-170.	0.4	2
40	Identification of the regions involved in phonological assembly using a novel paradigm. <i>Brain and Language</i> , 2015, 150, 45-53.	1.6	16
41	In-vivo brain neuroimaging provides a gateway for integrating biological and clinical biomarkers of Alzheimer's disease. <i>Current Opinion in Neurology</i> , 2015, 28, 351-357.	3.6	14
42	The 16p11.2 locus modulates brain structures common to autism, schizophrenia and obesity. <i>Molecular Psychiatry</i> , 2015, 20, 140-147.	7.9	160
43	Early Prognosis Models in Aphasia. , 2015, , 807-811.		2
44	Towards the Identification of Disease Signatures. <i>Lecture Notes in Computer Science</i> , 2015, , 145-155.	1.3	2
45	Computational anatomy for studying use-dependant brain plasticity. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 380.	2.0	31
46	Disentangling in vivo the effects of iron content and atrophy on the ageing human brain. <i>NeuroImage</i> , 2014, 103, 280-289.	4.2	68
47	Brain tissue properties differentiate between motor and limbic basal ganglia circuits. <i>Human Brain Mapping</i> , 2014, 35, 5083-5092.	3.6	82
48	Influence of magnetic field strength and image registration strategy on voxel-based morphometry in a study of Alzheimer's disease. <i>Human Brain Mapping</i> , 2014, 35, 1865-1874.	3.6	29
49	Electroconvulsive therapy-induced brain plasticity determines therapeutic outcome in mood disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1156-1161.	7.1	141
50	How early can we predict Alzheimer's disease using computational anatomy?. <i>Neurobiology of Aging</i> , 2013, 34, 2815-2826.	3.1	90
51	Relationship between imaging biomarkers, age, progression and symptom severity in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2013, 3, 84-94.	2.7	63
52	In vivo assessment of use-dependent brain plasticity—Beyond the “one trick pony” imaging strategy. <i>NeuroImage</i> , 2013, 73, 255-259.	4.2	16
53	Generative FDG-PET and MRI Model of Aging and Disease Progression in Alzheimer's Disease. <i>PLoS Computational Biology</i> , 2013, 9, e1002987.	3.2	67
54	Impact of brain aging and neurodegeneration on cognition. <i>Current Opinion in Neurology</i> , 2013, 26, 640-645.	3.6	27

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55	Regional specificity of MRI contrast parameter changes in normal ageing revealed by voxel-based quantification (VBQ). <i>NeuroImage</i> , 2011, 55, 1423-1434.	4.2	259
56	Regional and hemispheric determinants of language laterality: Implications for preoperative fMRI. <i>Human Brain Mapping</i> , 2011, 32, 1602-1614.	3.6	52
57	Voluntary Explicit versus Involuntary Conceptual Memory Are Associated with Dissociable fMRI Responses in Hippocampus, Amygdala, and Parietal Cortex for Emotional and Neutral Word Pairs. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1935-1951.	2.3	13
58	Automatic Top-Down Processing Explains Common Left Occipito-Temporal Responses to Visual Words and Objects. <i>Cerebral Cortex</i> , 2011, 21, 103-114.	2.9	103
59	Does Semantic Context Benefit Speech Understanding through “Top-Down” Processes? Evidence from Time-resolved Sparse fMRI. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 3914-3932.	2.3	143
60	The Role of the Left Head of Caudate in Suppressing Irrelevant Words. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2369-2386.	2.3	99
61	Predicting Language Lateralization from Gray Matter. <i>Journal of Neuroscience</i> , 2009, 29, 13516-13523.	3.6	61
62	The Main Sources of Intersubject Variability in Neuronal Activation for Reading Aloud. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 654-668.	2.3	57
63	Distributed cell assemblies for general lexical and category-specific semantic processing as revealed by fMRI cluster analysis. <i>Human Brain Mapping</i> , 2009, 30, 3837-3850.	3.6	74
64	Imagery or meaning? Evidence for a semantic origin of category-specific brain activity in metabolic imaging. <i>European Journal of Neuroscience</i> , 2008, 27, 1856-1866.	2.6	82
65	Evidence for Segregated and Integrative Connectivity Patterns in the Human Basal Ganglia. <i>Journal of Neuroscience</i> , 2008, 28, 7143-7152.	3.6	695
66	Explaining Function with Anatomy: Language Lateralization and Corpus Callosum Size. <i>Journal of Neuroscience</i> , 2008, 28, 14132-14139.	3.6	102
67	Multivariate voxel-based morphometry successfully differentiates schizophrenia patients from healthy controls. <i>NeuroImage</i> , 2007, 34, 235-242.	4.2	168
68	Contrasts and Classical Inference. , 2007, , 126-139.		14
69	Motor cortex maps articulatory features of speech sounds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7865-7870.	7.1	555
70	Retinotopic organization of visual mental images as revealed by functional magnetic resonance imaging. <i>Cognitive Brain Research</i> , 2004, 22, 26-31.	3.0	158
71	Automatized clustering and functional geometry of human parietofrontal networks for language, space, and number. <i>NeuroImage</i> , 2004, 23, 1192-1202.	4.2	136
72	A generic framework for the parcellation of the cortical surface into gyri using geodesic Voronoi diagrams. <i>Medical Image Analysis</i> , 2003, 7, 403-416.	11.6	105

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73	Group analysis in functional neuroimaging: selecting subjects using similarity measures. <i>NeuroImage</i> , 2003, 20, 2197-2208.	4.2	85
74	A primal sketch of the cortex mean curvature: A morphogenesis based approach to study the variability of the folding patterns. <i>IEEE Transactions on Medical Imaging</i> , 2003, 22, 754-765.	8.9	135
75	Multivariate Model Specification for fMRI Data. <i>NeuroImage</i> , 2002, 16, 1068-1083.	4.2	70
76	Improved Detection Sensitivity in Functional MRI Data Using a Brain Parcelling Technique. <i>Lecture Notes in Computer Science</i> , 2002, , 467-474.	1.3	16
77	Model Based Spatial and Temporal Similarity Measures between Series of Functional Magnetic Resonance Images. <i>Lecture Notes in Computer Science</i> , 2002, , 509-516.	1.3	1
78	Scale space searches in cortical surface analysis of fMRI data. <i>NeuroImage</i> , 2001, 13, 1290.	4.2	1
79	Detection of fMRI activation using Cortical Surface Mapping. <i>Human Brain Mapping</i> , 2001, 12, 79-93.	3.6	129
80	Temporal sorting of neural components underlying phonological processing. <i>NeuroReport</i> , 1999, 10, 2599-2603.	1.2	57
81	Matrix metalloproteinases MMPâ€² and MMPâ€³ in denervated muscle and injured nerve. <i>Neuropathology and Applied Neurobiology</i> , 1998, 24, 309-319.	3.2	79
82	Stroking Characteristics in Freestyle Swimming and Relationships with Anthropometric Characteristics. <i>Journal of Applied Biomechanics</i> , 1996, 12, 197-206.	0.8	91
83	Parcellation of brain images with anatomical and functional constraints for fMRI data analysis. , 0, , .		18
84	Hierarchical multivariate group analysis of functional MRI data. , 0, , .		1
85	Abnormal brain iron accumulation in obstructive sleep apnea: A quantitative <sc>MRI</sc> study in the <sc>HypnoLaus</sc> cohort. <i>Journal of Sleep Research</i> , 0, , .	3.2	3