

Karsten Mueller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2209273/publications.pdf>

Version: 2024-02-01

67
papers

2,650
citations

172386

29
h-index

206029

48
g-index

71
all docs

71
docs citations

71
times ranked

4917
citing authors

#	ARTICLE	IF	CITATIONS
1	BDNF as a biomarker for successful treatment of mood disorders: A systematic & quantitative meta-analysis. <i>Journal of Affective Disorders</i> , 2015, 174, 432-440.	2.0	391
2	Age Correction in Dementia – Matching to a Healthy Brain. <i>PLoS ONE</i> , 2011, 6, e22193.	1.1	161
3	Combined Evaluation of FDG-PET and MRI Improves Detection and Differentiation of Dementia. <i>PLoS ONE</i> , 2011, 6, e18111.	1.1	129
4	In-vivo Dynamics of the Human Hippocampus across the Menstrual Cycle. <i>Scientific Reports</i> , 2016, 6, 32833.	1.6	108
5	Meta-analysis based SVM classification enables accurate detection of Alzheimer's disease across different clinical centers using FDG-PET and MRI. <i>Psychiatry Research - Neuroimaging</i> , 2013, 212, 230-236.	0.9	107
6	Interoceptive awareness changes the posterior insula functional connectivity profile. <i>Brain Structure and Function</i> , 2016, 221, 1555-1571.	1.2	105
7	Serum S100B Represents a New Biomarker for Mood Disorders. <i>Current Drug Targets</i> , 2013, 14, 1237-1248.	1.0	91
8	Progesterone mediates brain functional connectivity changes during the menstrual cycle – a pilot resting state MRI study. <i>Frontiers in Neuroscience</i> , 2015, 9, 44.	1.4	76
9	Early Small Vessel Disease Affects Frontoparietal and Cerebellar Hubs in Close Correlation with Clinical Symptoms – A Resting-State fMRI Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1091-1095.	2.4	68
10	Generative FDG-PET and MRI Model of Aging and Disease Progression in Alzheimer's Disease. <i>PLoS Computational Biology</i> , 2013, 9, e1002987.	1.5	67
11	Predicting behavioral variant frontotemporal dementia with pattern classification in multi-center structural MRI data. <i>NeuroImage: Clinical</i> , 2017, 14, 656-662.	1.4	64
12	Physical exercise in overweight to obese individuals induces metabolic- and neurotrophic-related structural brain plasticity. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 372.	1.0	61
13	Deficient approaches to human neuroimaging. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 462.	1.0	59
14	The functional architecture of S1 during touch observation described with 7T fMRI. <i>Brain Structure and Function</i> , 2014, 219, 119-140.	1.2	55
15	Commentary: Cluster failure: Why fMRI inferences for spatial extent have inflated false-positive rates. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 345.	1.0	53
16	The Subthalamic Microlesion Story in Parkinson's Disease: Electrode Insertion-Related Motor Improvement with Relative Cortico-Subcortical Hypoactivation in fMRI. <i>PLoS ONE</i> , 2012, 7, e49056.	1.1	51
17	Judging roughness by sight – A 7T fMRI study on responsivity of the primary somatosensory cortex during observed touch of self and others. <i>Human Brain Mapping</i> , 2013, 34, 1882-1895.	1.9	47
18	Resting-state functional magnetic resonance imaging of the subthalamic microlesion and stimulation effects in Parkinson's disease: Indications of a principal role of the brainstem. <i>NeuroImage: Clinical</i> , 2015, 9, 264-274.	1.4	46

#	ARTICLE	IF	CITATIONS
19	Brain Damage With Heart Failure. <i>Circulation Research</i> , 2020, 126, 750-764.	2.0	45
20	Brain connectivity changes when comparing effects of subthalamic deep brain stimulation with levodopa treatment in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2018, 19, 1025-1035.	1.4	43
21	Predicting primary progressive aphasia with support vector machine approaches in structural MRI data. <i>NeuroImage: Clinical</i> , 2017, 14, 334-343.	1.4	42
22	Learning by doing? The effect of gestures on implicit retrieval of newly acquired words. <i>Cortex</i> , 2013, 49, 2553-2568.	1.1	41
23	Investigating the dynamics of the brain response to music: A central role of the ventral striatum/nucleus accumbens. <i>NeuroImage</i> , 2015, 116, 68-79.	2.1	41
24	Auditory stroop and absolute pitch: An fMRI study. <i>Human Brain Mapping</i> , 2013, 34, 1579-1590.	1.9	40
25	Impact of image acquisition on voxel-based-morphometry investigations of age-related structural brain changes. <i>NeuroImage</i> , 2014, 87, 170-182.	2.1	40
26	Human menstrual cycle variation in subcortical functional brain connectivity: a multimodal analysis approach. <i>Brain Structure and Function</i> , 2020, 225, 591-605.	1.2	40
27	Action Prediction in Younger versus Older Adults: Neural Correlates of Motor Familiarity. <i>PLoS ONE</i> , 2013, 8, e64195.	1.1	37
28	Levodopa increases functional connectivity in the cerebellum and brainstem in Parkinson's disease. <i>Brain</i> , 2013, 136, e234-e234.	3.7	34
29	Exploring the Neural Representation of Novel Words Learned through Enactment in a Word Recognition Task. <i>Frontiers in Psychology</i> , 2016, 7, 953.	1.1	33
30	Mild cognitive impairment disrupts attention network connectivity in Parkinson's disease: A combined multimodal MRI and meta-analytical study. <i>Neuropsychologia</i> , 2018, 112, 105-115.	0.7	31
31	General and selective brain connectivity alterations in essential tremor: A resting state fMRI study. <i>NeuroImage: Clinical</i> , 2017, 16, 468-476.	1.4	29
32	Association of Estradiol and Visceral Fat With Structural Brain Networks and Memory Performance in Adults. <i>JAMA Network Open</i> , 2019, 2, e196126.	2.8	29
33	LISA improves statistical analysis for fMRI. <i>Nature Communications</i> , 2018, 9, 4014.	5.8	27
34	Memory impairment in Parkinson's disease: The retrieval versus associative deficit hypothesis revisited and reconciled. <i>Neuropsychology</i> , 2019, 33, 391-405.	1.0	20
35	Frontal Assessment Battery in Parkinson's Disease: Validity and Morphological Correlates. <i>Journal of the International Neuropsychological Society</i> , 2017, 23, 675-684.	1.2	19
36	Neural correlates of the DemTect in Alzheimer's disease and frontotemporal lobar degeneration – A combined MRI & FDG-PET study. <i>NeuroImage: Clinical</i> , 2013, 2, 746-758.	1.4	18

#	ARTICLE	IF	CITATIONS
37	Unraveling connectivity changes due to dopaminergic therapy in chronically treated Parkinson's disease patients. <i>Scientific Reports</i> , 2018, 8, 14328.	1.6	18
38	Regional gray matter changes and age predict individual treatment response in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2019, 21, 101636.	1.4	18
39	Differential effects of deep brain stimulation and levodopa on brain activity in Parkinson's disease. <i>Brain Communications</i> , 2020, 2, fcaa005.	1.5	18
40	WOME: Theory-Based Working Memory Training – A Placebo-Controlled, Double-Blind Evaluation in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 247.	1.7	17
41	Unraveling corticobasal syndrome and alien limb syndrome with structural brain imaging. <i>Cortex</i> , 2019, 117, 33-40.	1.1	17
42	Depth of Encoding Through Observed Gestures in Foreign Language Word Learning. <i>Frontiers in Psychology</i> , 2019, 10, 33.	1.1	16
43	Modulatory Effects of Levodopa on Cerebellar Connectivity in Parkinson's Disease. <i>Cerebellum</i> , 2019, 18, 212-224.	1.4	16
44	Further evidence for a role of S100B in mood disorders: A human gene expression mega-analysis. <i>Journal of Psychiatric Research</i> , 2014, 53, 84-86.	1.5	14
45	Human behavioural discrimination of human, chimpanzee and macaque affective vocalisations is reflected by the neural response in the superior temporal sulcus. <i>Neuropsychologia</i> , 2018, 111, 145-150.	0.7	14
46	Serum Neuron-Specific Enolase Is Related to Cerebellar Connectivity: A Resting-State Functional Magnetic Resonance Imaging Pilot Study. <i>Journal of Neurotrauma</i> , 2015, 32, 1380-1384.	1.7	13
47	Roux-en-Y gastric bypass surgery progressively alters radiologic measures of hypothalamic inflammation in obese patients. <i>JCI Insight</i> , 2019, 4, .	2.3	12
48	Serum BDNF correlates with connectivity in the (pre)motor hub in the aging human brain – a resting-state fMRI pilot study. <i>Neurobiology of Aging</i> , 2016, 38, 181-187.	1.5	11
49	Motor Matters: Tackling Heterogeneity of Parkinson's Disease in Functional MRI Studies. <i>PLoS ONE</i> , 2013, 8, e56133.	1.1	10
50	Disease-Specific Regions Outperform Whole-Brain Approaches in Identifying Progressive Supranuclear Palsy: A Multicentric MRI Study. <i>Frontiers in Neuroscience</i> , 2017, 11, 100.	1.4	10
51	Disentangling brain functional network remodeling in corticobasal syndrome – A multimodal MRI study. <i>NeuroImage: Clinical</i> , 2020, 25, 102112.	1.4	10
52	Accounting for Movement Increases Sensitivity in Detecting Brain Activity in Parkinson's Disease. <i>PLoS ONE</i> , 2012, 7, e36271.	1.1	9
53	Benefits of pallidal stimulation in dystonia are linked to cerebellar volume and cortical inhibition. <i>Scientific Reports</i> , 2018, 8, 17218.	1.6	9
54	Citalopram Improves Obsessive-Compulsive Crossword Puzzling in Frontotemporal Dementia. <i>Case Reports in Neurology</i> , 2019, 11, 94-105.	0.3	9

#	ARTICLE	IF	CITATIONS
55	Obesity Associated Cerebral Gray and White Matter Alterations Are Interrelated in the Female Brain. PLoS ONE, 2014, 9, e114206.	1.1	9
56	Comparative analysis of machine learning algorithms for multi-syndrome classification of neurodegenerative syndromes. Alzheimer's Research and Therapy, 2022, 14, 62.	3.0	9
57	Dissonance encoding in human inferior colliculus covaries with individual differences in dislike of dissonant music. Scientific Reports, 2017, 7, 5726.	1.6	8
58	Brain networks underlying aesthetic appreciation as modulated by interaction of the spectral and temporal organisations of music. Scientific Reports, 2019, 9, 19446.	1.6	7
59	Symptom-severity-related brain connectivity alterations in functional movement disorders. NeuroImage: Clinical, 2022, 34, 102981.	1.4	6
60	Different neural capacity limitations for articulatory and non-articulatory maintenance of verbal information. Experimental Brain Research, 2014, 232, 619-628.	0.7	5
61	SERIAL-ORDER recall in working memory across the cognitive spectrum of Parkinson's disease and neuroimaging correlates. Journal of Neuropsychology, 2021, 15, 88-111.	0.6	5
62	Investigating network effects of DBS with fMRI. , 2022, , 275-301.		4
63	Modulation of premotor cortex response to sequence motor learning during escitalopram intake. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1449-1462.	2.4	3
64	A single dose of escitalopram blunts the neural response in the thalamus and caudate during monetary loss. Journal of Psychiatry and Neuroscience, 2021, 46, E319-E327.	1.4	3
65	Decreased thalamo-cortico connectivity during an implicit sequence motor learning task and 7 days escitalopram intake. Scientific Reports, 2021, 11, 15060.	1.6	1
66	No Changes in Gray Matter Density or Cortical Thickness in Late-Life Minor Depression. Journal of Clinical Psychiatry, 2018, 79, 17111604.	1.1	1
67	P3-241: Conceptualizing and Individually Predicting Behavioural Variant Frontotemporal Dementia with Meta-Analyses and Pattern Classification of Imaging Data. , 2016, 12, P919-P919.		0