

# Karsten Mueller

## List of Publications by Year in descending order

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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	Investigating network effects of DBS with fMRI. , 2022, , 275-301.		4
2	Symptom-severity-related brain connectivity alterations in functional movement disorders. <i>NeuroImage: Clinical</i> , 2022, 34, 102981.	1.4	6
3	Comparative analysis of machine learning algorithms for multi-syndrome classification of neurodegenerative syndromes. <i>Alzheimer's Research and Therapy</i> , 2022, 14, 62.	3.0	9
4	SERIALâ€ORDER recall in working memory across the cognitive spectrum of Parkinsonâ€™s disease and neuroimaging correlates. <i>Journal of Neuropsychology</i> , 2021, 15, 88-111.	0.6	5
5	Modulation of premotor cortex response to sequence motor learning during escitalopram intake. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1449-1462.	2.4	3
6	A single dose of escitalopram blunts the neural response in the thalamus and caudate during monetary loss. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E319-E327.	1.4	3
7	Decreased thalamo-cortico connectivity during an implicit sequence motor learning task and 7âˆdays escitalopram intake. <i>Scientific Reports</i> , 2021, 11, 15060.	1.6	1
8	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
9	Disentangling brain functional network remodeling in corticobasal syndrome â€“ A multimodal MRI study. <i>NeuroImage: Clinical</i> , 2020, 25, 102112.	1.4	10
10	Differential effects of deep brain stimulation and levodopa on brain activity in Parkinsonâ€™s disease. <i>Brain Communications</i> , 2020, 2, fcaa005.	1.5	18
11	Brain Damage With Heart Failure. <i>Circulation Research</i> , 2020, 126, 750-764.	2.0	45
12	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
13	Citalopram Improves Obsessive-Compulsive Crossword Puzzling in Frontotemporal Dementia. <i>Case Reports in Neurology</i> , 2019, 11, 94-105.	0.3	9
14	Depth of Encoding Through Observed Gestures in Foreign Language Word Learning. <i>Frontiers in Psychology</i> , 2019, 10, 33.	1.1	16
15	Unraveling corticobasal syndrome and alien limb syndrome with structural brain imaging. <i>Cortex</i> , 2019, 117, 33-40.	1.1	17
16	Brain networks underlying aesthetic appreciation as modulated by interaction of the spectral and temporal organisations of music. <i>Scientific Reports</i> , 2019, 9, 19446.	1.6	7
17	Regional gray matter changes and age predict individual treatment response in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2019, 21, 101636.	1.4	18
18	Modulatory Effects of Levodopa on Cerebellar Connectivity in Parkinsonâ€™s Disease. <i>Cerebellum</i> , 2019, 18, 212-224.	1.4	16

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19	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
20	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
21	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
22	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
23	Benefits of pallidal stimulation in dystonia are linked to cerebellar volume and cortical inhibition. <i>Scientific Reports</i> , 2018, 8, 17218.	1.6	9
24	Unraveling connectivity changes due to dopaminergic therapy in chronically treated Parkinson's disease patients. <i>Scientific Reports</i> , 2018, 8, 14328.	1.6	18
25	LISA improves statistical analysis for fMRI. <i>Nature Communications</i> , 2018, 9, 4014.	5.8	27
26	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
27	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
28	No Changes in Gray Matter Density or Cortical Thickness in Late-Life Minor Depression. <i>Journal of Clinical Psychiatry</i> , 2018, 79, 17111604.	1.1	1
29	Predicting primary progressive aphasias with support vector machine approaches in structural MRI data. <i>NeuroImage: Clinical</i> , 2017, 14, 334-343.	1.4	42
30	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
31	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
32	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
33	Dissonance encoding in human inferior colliculus covaries with individual differences in dislike of dissonant music. <i>Scientific Reports</i> , 2017, 7, 5726.	1.6	8
34	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
35	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
36	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

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37	P3-241: Conceptualizing and Individually Predicting Behavioural Variant Frontotemporal Dementia with Meta-Analyses and Pattern Classification of Imaging Data. , 2016, 12, P919-P919.		0
38	In-vivo Dynamics of the Human Hippocampus across the Menstrual Cycle. Scientific Reports, 2016, 6, 32833.	1.6	108
39	Interoceptive awareness changes the posterior insula functional connectivity profile. Brain Structure and Function, 2016, 221, 1555-1571.	1.2	105
40	Serum BDNF correlates with connectivity in the (pre)motor hub in the aging human brain—a resting-state fMRI pilot study. Neurobiology of Aging, 2016, 38, 181-187.	1.5	11
41	Physical exercise in overweight to obese individuals induces metabolic- and neurotrophic-related structural brain plasticity. Frontiers in Human Neuroscience, 2015, 9, 372.	1.0	61
42	Progesterone mediates brain functional connectivity changes during the menstrual cycle—a pilot resting state MRI study. Frontiers in Neuroscience, 2015, 9, 44.	1.4	76
43	BDNF as a biomarker for successful treatment of mood disorders: A systematic & quantitative meta-analysis. Journal of Affective Disorders, 2015, 174, 432-440.	2.0	391
44	Investigating the dynamics of the brain response to music: A central role of the ventral striatum/nucleus accumbens. NeuroImage, 2015, 116, 68-79.	2.1	41
45	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. NeuroImage: Clinical, 2015, 9, 264-274.	1.4	46
46	Serum Neuron-Specific Enolase Is Related to Cerebellar Connectivity: A Resting-State Functional Magnetic Resonance Imaging Pilot Study. Journal of Neurotrauma, 2015, 32, 1380-1384.	1.7	13
47	Deficient approaches to human neuroimaging. Frontiers in Human Neuroscience, 2014, 8, 462.	1.0	59
48	The functional architecture of S1 during touch observation described with 7T fMRI. Brain Structure and Function, 2014, 219, 119-140.	1.2	55
49	Different neural capacity limitations for articulatory and non-articulatory maintenance of verbal information. Experimental Brain Research, 2014, 232, 619-628.	0.7	5
50	Early Small Vessel Disease Affects Frontoparietal and Cerebellar Hubs in Close Correlation with Clinical Symptoms—A Resting-State fMRI Study. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1091-1095.	2.4	68
51	Impact of image acquisition on voxel-based-morphometry investigations of age-related structural brain changes. NeuroImage, 2014, 87, 170-182.	2.1	40
52	Further evidence for a role of S100B in mood disorders: A human gene expression mega-analysis. Journal of Psychiatric Research, 2014, 53, 84-86.	1.5	14
53	Obesity Associated Cerebral Gray and White Matter Alterations Are Interrelated in the Female Brain. PLoS ONE, 2014, 9, e114206.	1.1	9
54	Auditory stroop and absolute pitch: An fMRI study. Human Brain Mapping, 2013, 34, 1579-1590.	1.9	40

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55	Judging roughness by sightâ€”A 7â€”tesla 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
56	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
57	Neural correlates of the DemTect in Alzheimer's disease and frontotemporal lobar degeneration â€” A combined MRI & FDG-PET study. <i>NeuroImage: Clinical</i> , 2013, 2, 746-758.	1.4	18
58	Levodopa increases functional connectivity in the cerebellum and brainstem in Parkinsonâ€™s disease. <i>Brain</i> , 2013, 136, e234-e234.	3.7	34
59	Learning by doing? The effect of gestures on implicit retrieval of newly acquired words. <i>Cortex</i> , 2013, 49, 2553-2568.	1.1	41
60	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
61	Motor Matters: Tackling Heterogeneity of Parkinsonâ€™s Disease in Functional MRI Studies. <i>PLoS ONE</i> , 2013, 8, e56133.	1.1	10
62	Action Prediction in Younger versus Older Adults: Neural Correlates of Motor Familiarity. <i>PLoS ONE</i> , 2013, 8, e64195.	1.1	37
63	Serum S100B Represents a New Biomarker for Mood Disorders. <i>Current Drug Targets</i> , 2013, 14, 1237-1248.	1.0	91
64	Accounting for Movement Increases Sensitivity in Detecting Brain Activity in Parkinson's Disease. <i>PLoS ONE</i> , 2012, 7, e36271.	1.1	9
65	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
66	Combined Evaluation of FDG-PET and MRI Improves Detection and Differentiation of Dementia. <i>PLoS ONE</i> , 2011, 6, e18111.	1.1	129
67	Age Correction in Dementia â€” Matching to a Healthy Brain. <i>PLoS ONE</i> , 2011, 6, e22193.	1.1	161