

Kristoffer Hougaard Madsen

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

6,340
citations

147566

31
h-index

82410

72
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128
all docs

128
docs citations

128
times ranked

9444
citing authors

#	ARTICLE	IF	CITATIONS
1	A checklist for assessing the methodological quality of concurrent tES-fMRI studies (ContES) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.5	21
2	Locus Coeruleus Shows a Spatial Pattern of Structural Disintegration in Parkinson's Disease. <i>Movement Disorders</i> , 2022, 37, 479-489.	2.2	27
3	Uncovering Cortical Units of Processing From Multi-Layered Connectomes. <i>Frontiers in Neuroscience</i> , 2022, 16, 836259.	1.4	0
4	Uncovering the genetic profiles underlying the intrinsic organization of the human cerebellum. <i>Molecular Psychiatry</i> , 2022, 27, 2619-2634.	4.1	3
5	Tracking of rigid head motion during MRI using an EEG system. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 986-1001.	1.9	10
6	Novel Invisible Spectral Flicker Induces 40 Hz Neural Entrainment with Similar Spatial Distribution as 40 Hz Stroboscopic Light. <i>Journal of Alzheimer's Disease</i> , 2022, 88, 335-344.	1.2	8
7	Optimizing the electric field strength in multiple targets for multichannel transcranial electric stimulation. <i>Journal of Neural Engineering</i> , 2021, 18, 014001.	1.8	14
8	A Bayesian reanalysis of the effects of hydroxychloroquine and azithromycin on viral carriage in patients with COVID-19. <i>PLoS ONE</i> , 2021, 16, e0245048.	1.1	12
9	The Myelin Content of the Human Precentral Hand Knob Reflects Interindividual Differences in Manual Motor Control at the Physiological and Behavioral Level. <i>Journal of Neuroscience</i> , 2021, 41, 3163-3179.	1.7	24
10	The effect of effort-reward imbalance on brain structure and resting-state functional connectivity in individuals with high levels of schizotypal traits. <i>Cognitive Neuropsychiatry</i> , 2021, 26, 166-182.	0.7	3
11	Reward signalling in brainstem nuclei under fluctuating blood glucose. <i>PLoS ONE</i> , 2021, 16, e0243899.	1.1	2
12	Does pericentral mu-rhythm power predict corticomotor excitability? A matter of EEG perspective. <i>Brain Stimulation</i> , 2021, 14, 713-722.	0.7	21
13	Concurrent TMS-fMRI for causal network perturbation and proof of target engagement. <i>NeuroImage</i> , 2021, 237, 118093.	2.1	56
14	Ergodicity-breaking reveals time optimal decision making in humans. <i>PLoS Computational Biology</i> , 2021, 17, e1009217.	1.5	4
15	Data-driven separation of MRI signal components for tissue characterization. <i>Journal of Magnetic Resonance</i> , 2021, 333, 107103.	1.2	2
16	Mapping cortico-subcortical sensitivity to 4 Hz amplitude modulation depth in human auditory system with functional MRI. <i>NeuroImage</i> , 2021, , 118745.	2.1	0
17	Identifying Schizo-Obsessive Comorbidity by Tract-Based Spatial Statistics and Probabilistic Tractography. <i>Schizophrenia Bulletin</i> , 2020, 46, 442-453.	2.3	9
18	Generalizability of machine learning for classification of schizophrenia based on resting-state functional MRI data. <i>Human Brain Mapping</i> , 2020, 41, 172-184.	1.9	44

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19	Limited Colocalization of Microbleeds and Microstructural Changes after Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 581-592.	1.7	12
20	Value and limitations of intracranial recordings for validating electric field modeling for transcranial brain stimulation. <i>NeuroImage</i> , 2020, 208, 116431.	2.1	39
21	Dopamine agonist treatment increases sensitivity to gamble outcomes in the hippocampus in de novo Parkinson's disease. <i>NeuroImage: Clinical</i> , 2020, 28, 102362.	1.4	1
22	Linking brain activity during sequential gambling to impulse control in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2020, 27, 102330.	1.4	8
23	Migraine with aura in women is not associated with structural thalamic abnormalities. <i>NeuroImage: Clinical</i> , 2020, 28, 102361.	1.4	10
24	Processing of Positive Visual Stimuli Before and After Symptoms Provocation in Posttraumatic Stress Disorder – A Functional Magnetic Resonance Imaging Study of Trauma-Affected Male Refugees. <i>Chronic Stress</i> , 2020, 4, 247054702091762.	1.7	4
25	Discrete finger sequences are widely represented in human striatum. <i>Scientific Reports</i> , 2020, 10, 13189.	1.6	6
26	Functional and Structural Plasticity Co-express in a Left Premotor Region During Early Bimanual Skill Learning. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 310.	1.0	8
27	Two Coarse Spatial Patterns of Altered Brain Microstructure Predict Post-traumatic Amnesia in the Subacute Stage of Severe Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 800.	1.1	0
28	Probing Context-Dependent Modulations of Ipsilateral Premotor-Motor Connectivity in Relapsing-Remitting Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020, 11, 193.	1.1	4
29	Accurate and robust whole-head segmentation from magnetic resonance images for individualized head modeling. <i>NeuroImage</i> , 2020, 219, 117044.	2.1	73
30	Associations of neural processing of reward with posttraumatic stress disorder and secondary psychotic symptoms in trauma-affected refugees. <i>HÅrtegr Utbildning</i> , 2020, 11, 1730091.	1.4	9
31	The probabilistic tensor decomposition toolbox. <i>Machine Learning: Science and Technology</i> , 2020, 1, 025011.	2.4	2
32	Classification of social anhedonia using temporal and spatial network features from a social cognition fMRI task. <i>Human Brain Mapping</i> , 2019, 40, 4965-4981.	1.9	12
33	Electric field simulations for transcranial brain stimulation using FEM: an efficient implementation and error analysis. <i>Journal of Neural Engineering</i> , 2019, 16, 066032.	1.8	95
34	Whole-Brain Exploratory Analysis of Functional Task Response Following Erythropoietin Treatment in Mood Disorders: A Supervised Machine Learning Approach. <i>Frontiers in Neuroscience</i> , 2019, 13, 1246.	1.4	2
35	Searchlight classification based on Amplitude of Low Frequency Fluctuation and functional connectivity in individuals with obsessive-compulsive symptoms. <i>Cognitive Neuropsychiatry</i> , 2019, 24, 322-334.	0.7	6
36	Accessibility of cortical regions to focal TES: Dependence on spatial position, safety, and practical constraints. <i>NeuroImage</i> , 2019, 203, 116183.	2.1	67

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37	No trace of phase: Corticomotor excitability is not tuned by phase of pericentral mu-rhythm. Brain Stimulation, 2019, 12, 1261-1270.	0.7	70
38	Unmixing Oscillatory Brain Activity by EEG Source Localization and Empirical Mode Decomposition. Computational Intelligence and Neuroscience, 2019, 2019, 1-15.	1.1	13
39	Getting to grips with endoscopy - Learning endoscopic surgical skills induces bi-hemispheric plasticity of the grasping network. NeuroImage, 2019, 189, 32-44.	2.1	15
40	A principled approach to conductivity uncertainty analysis in electric field calculations. NeuroImage, 2019, 188, 821-834.	2.1	96
41	Functional neuroimaging of recovery from motor conversion disorder: A case report. NeuroImage, 2019, 190, 269-274.	2.1	9
42	SimNIBS 2.1: A Comprehensive Pipeline for Individualized Electric Field Modelling for Transcranial Brain Stimulation. , 2019, , 3-25.		115
43	Ergodicity-Breaking Reveals Time Optimal Economic Behavior in Humans. , 2019, , .		5
44	Task-Modulated Cortical Representations of Natural Sound Source Categories. Cerebral Cortex, 2018, 28, 295-306.	1.6	10
45	Migraine with visual aura associated with thicker visual cortex. Brain, 2018, 141, 776-785.	3.7	52
46	Risk for affective disorders is associated with greater prefrontal gray matter volumes: A prospective longitudinal study. NeuroImage: Clinical, 2018, 17, 786-793.	1.4	13
47	Predictive assessment of models for dynamic functional connectivity. NeuroImage, 2018, 171, 116-134.	2.1	13
48	Automatic skull segmentation from MR images for realistic volume conductor models of the head: Assessment of the state-of-the-art. NeuroImage, 2018, 174, 587-598.	2.1	198
49	Perspectives on Machine Learning for Classification of Schizotypy Using fMRI Data. Schizophrenia Bulletin, 2018, 44, S480-S490.	2.3	19
50	VARIATIONAL BAYESIAN PARTIALLY OBSERVED NON-NEGATIVE TENSOR FACTORIZATION. , 2018, , .		4
51	Cerebellar and premotor activity during a non-fatiguing grip task reflects motor fatigue in relapsing-remitting multiple sclerosis. PLoS ONE, 2018, 13, e0201162.	1.1	7
52	Evaluating Models of Dynamic Functional Connectivity Using Predictive Classification Accuracy. , 2018, , .		1
53	Testing group differences in state transition structure of dynamic functional connectivity models. , 2018, , .		0
54	Skull segmentation from MR scans using a higher-order shape model based on convolutional restricted Boltzmann machines. , 2018, , .		1

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55	Working Memory Modulation of Frontoparietal Network Connectivity in First-Episode Schizophrenia. <i>Cerebral Cortex</i> , 2017, 27, 3832-3841.	1.6	49
56	How to target inter-regional phase synchronization with dual-site Transcranial Alternating Current Stimulation. <i>NeuroImage</i> , 2017, 163, 68-80.	2.1	94
57	Adaptive smoothing in fMRI data processing neural networks. , 2017, , .		0
58	Modeling dynamic functional connectivity using a wishart mixture model. , 2017, , .		0
59	Infinite von Misesâ€Fisher Mixture Modeling of Whole Brain fMRI Data. <i>Neural Computation</i> , 2017, 29, 2712-2741.	1.3	13
60	Whole brain functional connectivity predicted by indirect structural connections. , 2017, , .		4
61	Simultaneous representation of a spectrum of dynamically changing value estimates during decision making. <i>Nature Communications</i> , 2017, 8, 1942.	5.8	66
62	Quantifying functional connectivity in multi-subject fMRI data using component models. <i>Human Brain Mapping</i> , 2017, 38, 882-899.	1.9	30
63	Scalable group level probabilistic sparse factor analysis. , 2017, , .		1
64	Deep convolutional neural networks for interpretable analysis of EEG sleep stage scoring. , 2017, , .		107
65	Alterations in the brainâ€™s connectome during recovery from severe traumatic brain injury: protocol for a longitudinal prospective study. <i>BMJ Open</i> , 2017, 7, e016286.	0.8	6
66	Are Movement Artifacts in Magnetic Resonance Imaging a Real Problem?â€A Narrative Review. <i>Frontiers in Neurology</i> , 2017, 8, 232.	1.1	129
67	Task relevance differentially shapes ventral visual stream sensitivity to visible and invisible faces. <i>Neuroscience of Consciousness</i> , 2016, 2016, niw021.	1.4	3
68	Measuring motion-induced B₀-fluctuations in the brain using field probes. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2020-2030.	1.9	15
69	Aberrant neural signatures of decision-making: Pathological gamblers display cortico-striatal hypersensitivity to extreme gambles. <i>NeuroImage</i> , 2016, 128, 342-352.	2.1	30
70	Chasing probabilities â€™ Signaling negative and positive prediction errors across domains. <i>NeuroImage</i> , 2016, 134, 180-191.	2.1	12
71	Tuning the Brake While Raising the Stake: Network Dynamics during Sequential Decision-Making. <i>Journal of Neuroscience</i> , 2016, 36, 5417-5426.	1.7	25
72	Unaffected twins discordant for affective disorders show changes in anterior callosal white matter microstructure. <i>Acta Psychiatrica Scandinavica</i> , 2016, 134, 441-451.	2.2	6

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73	Archetypal Analysis for Modeling Multisubject fMRI Data. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1160-1171.	7.3	17
74	Independent vector analysis for capturing common components in fMRI group analysis. , 2016, , .		3
75	Variational group-PCA for intrinsic dimensionality determination in fMRI data. , 2016, , .		0
76	Resting-state connectivity predicts levodopa-induced dyskinesias in Parkinson's disease. Movement Disorders, 2016, 31, 521-529.	2.2	53
77	The Functional Segregation and Integration Model: Mixture Model Representations of Consistent and Variable Group-Level Connectivity in fMRI. Neural Computation, 2016, 28, 2250-2290.	1.3	7
78	Recovery from an acute relapse is associated with changes in motor resting-state connectivity in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 912-914.	0.9	8
79	Unsupervised segmentation of task activated regions in fMRI. , 2015, , .		4
80	Role of emotional processing in depressive responses to sex-hormone manipulation: a pharmacological fMRI study. Translational Psychiatry, 2015, 5, e688-e688.	2.4	31
81	Transcranial Magnetic Stimulation: An Automated Procedure to Obtain Coil-specific Models for Field Calculations. Brain Stimulation, 2015, 8, 1205-1208.	0.7	15
82	Amygdala signals subjective appetitiveness and aversiveness of mixed gambles. Cortex, 2015, 66, 81-90.	1.1	13
83	Abnormal dopaminergic modulation of striato-cortical networks underlies levodopa-induced dyskinesias in humans. Brain, 2015, 138, 1658-1666.	3.7	65
84	Variation in the oxytocin receptor gene is associated with behavioral and neural correlates of empathic accuracy. Frontiers in Behavioral Neuroscience, 2014, 8, 423.	1.0	49
85	Motivational Tuning of Fronto-Subthalamic Connectivity Facilitates Control of Action Impulses. Journal of Neuroscience, 2014, 34, 3210-3217.	1.7	66
86	The acute brain response to levodopa heralds dyskinesias in Parkinson disease. Annals of Neurology, 2014, 75, 829-836.	2.8	61
87	Neural correlates of taste perception in congenital olfactory impairment. Neuropsychologia, 2014, 62, 297-305.	0.7	20
88	Multiple sclerosis impairs regional functional connectivity in the cerebellum. NeuroImage: Clinical, 2014, 4, 130-138.	1.4	42
89	Non-parametric Bayesian graph models reveal community structure in resting state fMRI. NeuroImage, 2014, 100, 301-315.	2.1	15
90	Postoperative increase in grey matter volume in visual cortex after unilateral cataract surgery. Acta Ophthalmologica, 2013, 91, 58-65.	0.6	23

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91	A schizophrenia rat model induced by early postnatal phencyclidine treatment and characterized by Magnetic Resonance Imaging. <i>Behavioural Brain Research</i> , 2013, 250, 1-8.	1.2	10
92	Diagnostic Approach to Functional Recovery: Functional Magnetic Resonance Imaging after Stroke. <i>Frontiers of Neurology and Neuroscience</i> , 2013, 32, 9-25.	3.0	7
93	Resting-state connectivity of pre-motor cortex reflects disability in multiple sclerosis. <i>Acta Neurologica Scandinavica</i> , 2013, 128, n/a-n/a.	1.0	33
94	Attenuated neural response to gamble outcomes in drug-naive patients with Parkinson's disease. <i>Brain</i> , 2013, 136, 1192-1203.	3.7	38
95	Expanded functional coupling of subcortical nuclei with the motor resting-state network in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2013, 19, 559-566.	1.4	39
96	Neural markers of negative symptom outcomes in distributed working memory brain activity of antipsychotic-naive schizophrenia patients. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 1195-1204.	1.0	28
97	Identifying modular relations in complex brain networks. , 2012, , .		7
98	Nonlinear denoising and analysis of neuroimages with kernel principal component analysis and pre-image estimation. <i>NeuroImage</i> , 2012, 60, 1807-1818.	2.1	24
99	Model sparsity and brain pattern interpretation of classification models in neuroimaging. <i>Pattern Recognition</i> , 2012, 45, 2085-2100.	5.1	115
100	Decoding Complex Cognitive States Online by Manifold Regularization in Real-Time fMRI. <i>Lecture Notes in Computer Science</i> , 2012, , 76-83.	1.0	0
101	Modeling latency and shape changes in trial based neuroimaging data. , 2011, , .		8
102	Frequency constrained ShiftCP modeling of neuroimaging data. , 2011, , .		0
103	Visualization of nonlinear kernel models in neuroimaging by sensitivity maps. <i>NeuroImage</i> , 2011, 55, 1120-1131.	2.1	55
104	Monocular Visual Deprivation Suppresses Excitability in Adult Human Visual Cortex. <i>Cerebral Cortex</i> , 2011, 21, 2876-2882.	1.6	12
105	Neural correlates of virtual route recognition in congenital blindness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12716-12721.	3.3	160
106	Toward discovery science of human brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4734-4739.	3.3	2,703
107	Cortical neuroplasticity in patients recovering from acute optic neuritis. <i>NeuroImage</i> , 2008, 42, 836-844.	2.1	14
108	Shift-invariant multilinear decomposition of neuroimaging data. <i>NeuroImage</i> , 2008, 42, 1439-1450.	2.1	81

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109	Approximate L0 constrained non-negative matrix and tensor factorization. , 2008, , .		19
110	Bayesian Model Comparison in Nonlinear BOLD fMRI Hemodynamics. Neural Computation, 2008, 20, 738-755.	1.3	10
111	Recovery from optic neuritis: an ROI-based analysis of LGN and visual cortical areas. Brain, 2007, 130, 1244-1253.	3.7	83
112	Shifted Non-Negative Matrix Factorization. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	18
113	Shifted Independent Component Analysis. , 2007, , 89-96.		10
114	Non-white noise in fMRI: Does modelling have an impact?. NeuroImage, 2006, 29, 54-66.	2.1	370
115	An fMRI study of the neural correlates of graded visual perception. NeuroImage, 2006, 31, 1711-1725.	2.1	63
116	fMRI neuroinformatics. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 112-119.	1.1	11
117	Images of Illusory Motion in Primary Visual Cortex. Journal of Cognitive Neuroscience, 2006, 18, 1174-1180.	1.1	35
118	Functional magnetic resonance imaging corresponds to Humphrey perimetry in a patient with pituitary adenoma. Acta Ophthalmologica, 2005, 84, 267-268.	0.4	3
119	Identification of non-linear models of neural activity in BOLD fMRI. , 0, , .		2