

Ming-Xiong Huang

List of Publications by Year in descending order

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84
papers

3,337
citations

117453

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161609

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docs citations

84
times ranked

3741
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetoencephalography Language Mapping Using Auditory Memory Retrieval and Silent Repeating Task. <i>Journal of Clinical Neurophysiology</i> , 2024, 41, 148-154.	0.9	1
2	Peripheral Nerve Magnetoneurography With Optically Pumped Magnetometers. <i>Frontiers in Physiology</i> , 2022, 13, 798376.	1.3	7
3	Detection of Chronic Blast-Related Mild Traumatic Brain Injury with Diffusion Tensor Imaging and Support Vector Machines. <i>Diagnostics</i> , 2022, 12, 987.	1.3	6
4	Two mechanisms facilitate regional independence between brain regions based on an examination of alpha-band activity in healthy control adult males. <i>International Journal of Psychophysiology</i> , 2022, 178, 51-59.	0.5	1
5	Enhanced Fast-VESTAL for Magnetoencephalography Source Imaging: From Theory to Clinical Application in Epilepsy. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 793-806.	2.5	5
6	Resting-state magnetoencephalography source magnitude imaging with deep learning neural network for classification of symptomatic combat-related mild traumatic brain injury. <i>Human Brain Mapping</i> , 2021, 42, 1987-2004.	1.9	5
7	Marked Increases in Resting-State MEG Gamma-Band Activity in Combat-Related Mild Traumatic Brain Injury. <i>Cerebral Cortex</i> , 2020, 30, 283-295.	1.6	24
8	Resting-State Magnetoencephalography Source Imaging Pilot Study in Children with Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 994-1001.	1.7	9
9	Abnormal distraction and load-specific connectivity during working memory in cognitively normal Parkinson's disease. <i>Human Brain Mapping</i> , 2020, 41, 1195-1211.	1.9	14
10	Brain Amygdala Volume Increases in Veterans and Active-Duty Military Personnel With Combat-Related Posttraumatic Stress Disorder and Mild Traumatic Brain Injury. <i>Journal of Head Trauma Rehabilitation</i> , 2020, 35, E1-E9.	1.0	11
11	Presurgical Functional Mapping with Magnetoencephalography. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 159-174.	0.5	11
12	Magnetoencephalography Signal Processing, Forward Modeling, Inverse Source Imaging, and Coherence Analysis. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 125-143.	0.5	6
13	Magnetoencephalography: Elucidating Brain Function. <i>Neuroimaging Clinics of North America</i> , 2020, 30, xv-xvi.	0.5	0
14	Magnetoencephalography for Mild Traumatic Brain Injury and Posttraumatic Stress Disorder. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 175-192.	0.5	4
15	Temperature trends and correlation between SQUID superparamagnetic relaxometry and dc-magnetization on model iron-oxide nanoparticles. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	6
16	The Cortical Maps of Hierarchical Linguistic Structures during Speech Perception. <i>Cerebral Cortex</i> , 2019, 29, 3232-3240.	1.6	35
17	Associations and Heritability of Auditory Encoding, Gray Matter, and Attention in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2019, 45, 859-870.	2.3	8
18	Noninvasive vagus nerve stimulation alters neural response and physiological autonomic tone to noxious thermal challenge. <i>PLoS ONE</i> , 2019, 14, e0201212.	1.1	48

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19	Dynamic cognitive remediation for a Traumatic Brain Injury (TBI) significantly improves attention, working memory, processing speed, and reading fluency. <i>Restorative Neurology and Neuroscience</i> , 2019, 37, 71-86.	0.4	8
20	Impact of TBI, PTSD, and Hearing Loss on Tinnitus Progression in a US Marine Cohort. <i>Military Medicine</i> , 2019, 184, 839-846.	0.4	21
21	MEG Working Memory N-Back Task Reveals Functional Deficits in Combat-Related Mild Traumatic Brain Injury. <i>Cerebral Cortex</i> , 2019, 29, 1953-1968.	1.6	18
22	Emerging Approaches to Neurocircuits in PTSD and TBI: Imaging the Interplay of Neural and Emotional Trauma. <i>Current Topics in Behavioral Neurosciences</i> , 2018, 38, 163-192.	0.8	15
23	Identifying auditory cortex encoding abnormalities in schizophrenia: The utility of low-frequency versus 40 Hz steady-state measures. <i>Psychophysiology</i> , 2018, 55, e13074.	1.2	15
24	Altered Functional Interactions of Inhibition Regions in Cognitively Normal Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 331.	1.7	10
25	By our bootstraps: Comparing methods for measuring auditory 40 Hz steady-state neural activity. <i>Psychophysiology</i> , 2017, 54, 1110-1127.	1.2	20
26	Development of advanced signal processing and source imaging methods for superparamagnetic relaxometry. <i>Physics in Medicine and Biology</i> , 2017, 62, 734-757.	1.6	2
27	A pilot treatment study for mild traumatic brain injury: Neuroimaging changes detected by MEG after low-intensity pulse-based transcranial electrical stimulation. <i>Brain Injury</i> , 2017, 31, 1951-1963.	0.6	21
28	Resting-State Magnetoencephalography Reveals Different Patterns of Aberrant Functional Connectivity in Combat-Related Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 1412-1426.	1.7	44
29	Resting State Functional Connectivity MRI among Spectral MEG Current Sources in Children on the Autism Spectrum. <i>Frontiers in Neuroscience</i> , 2016, 10, 258.	1.4	10
30	Prospective Associations Between Traumatic Brain Injury and Postdeployment Tinnitus in Active-Duty Marines. <i>Journal of Head Trauma Rehabilitation</i> , 2016, 31, 30-39.	1.0	14
31	The role of biomarkers and MEG-based imaging markers in the diagnosis of post-traumatic stress disorder and blast-induced mild traumatic brain injury. <i>Psychoneuroendocrinology</i> , 2016, 63, 398-409.	1.3	37
32	High-resolution MEG source imaging approach to accurately localize Broca's area in patients with brain tumor or epilepsy. <i>Clinical Neurophysiology</i> , 2016, 127, 2308-2316.	0.7	30
33	Frontal slow-wave activity as a predictor of negative symptoms, cognition and functional capacity in schizophrenia. <i>British Journal of Psychiatry</i> , 2016, 208, 160-167.	1.7	31
34	Abnormal White Matter Blood-Oxygen-Level-Dependent Signals in Chronic Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 1254-1271.	1.7	50
35	Resting-State Alpha in Autism Spectrum Disorder and Alpha Associations with Thalamic Volume. <i>Journal of Autism and Developmental Disorders</i> , 2015, 45, 795-804.	1.7	57
36	Magnetoencephalography Slow-Wave Detection in Patients with Mild Traumatic Brain Injury and Ongoing Symptoms Correlated with Long-Term Neuropsychological Outcome. <i>Journal of Neurotrauma</i> , 2015, 32, 1510-1521.	1.7	31

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37	Magnetoencephalography (MEG) Slow-Wave Imaging for Diagnosing Non-acute Mild Traumatic Brain Injury. <i>Current Radiology Reports</i> , 2015, 3, 1.	0.4	0
38	Filling in the gaps: Anticipatory control of eye movements in chronic mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2015, 8, 210-223.	1.4	37
39	Primary somatosensory cortex hand representation dynamically modulated by motor output. <i>Neurocase</i> , 2015, 21, 103-105.	0.2	2
40	Voxel-wise resting-state MEG source magnitude imaging study reveals neurocircuitry abnormality in active-duty service members and veterans with PTSD. <i>NeuroImage: Clinical</i> , 2014, 5, 408-419.	1.4	62
41	Single-subject-based whole-brain MEG slow-wave imaging approach for detecting abnormality in patients with mild traumatic brain injury. <i>NeuroImage: Clinical</i> , 2014, 5, 109-119.	1.4	85
42	Magnetoencephalography in the Diagnosis of Concussion. <i>Progress in Neurological Surgery</i> , 2014, 28, 94-111.	1.3	22
43	MEG source imaging method using fast L1 minimum-norm and its applications to signals with brain noise and human resting-state source amplitude images. <i>NeuroImage</i> , 2014, 84, 585-604.	2.1	60
44	Cortical thickness as a contributor to abnormal oscillations in schizophrenia?. <i>NeuroImage: Clinical</i> , 2014, 4, 122-129.	1.4	64
45	Frontal and superior temporal auditory processing abnormalities in schizophrenia. <i>NeuroImage: Clinical</i> , 2013, 2, 695-702.	1.4	19
46	Resting-State Neuronal Oscillatory Correlates of Working Memory Performance. <i>PLoS ONE</i> , 2013, 8, e66820.	1.1	18
47	Caffeine-Induced Global Reductions in Resting-State BOLD Connectivity Reflect Widespread Decreases in MEG Connectivity. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 63.	1.0	37
48	Hippocampal and thalamic neuronal metabolism in a putative rat model of schizophrenia. <i>Neural Regeneration Research</i> , 2013, 8, 2415-23.	1.6	4
49	An automatic MEG low-frequency source imaging approach for detecting injuries in mild and moderate TBI patients with blast and non-blast causes. <i>NeuroImage</i> , 2012, 61, 1067-1082.	2.1	101
50	Temporal and frontal cortical thickness associations with M100 auditory activity and attention in healthy controls and individuals with schizophrenia. <i>Schizophrenia Research</i> , 2012, 140, 250-257.	1.1	34
51	Depression of cortical activity in humans by mild hypercapnia. <i>Human Brain Mapping</i> , 2012, 33, 715-726.	1.9	48
52	Accurate reconstruction of temporal correlation for neuronal sources using the enhanced dual-core MEG beamformer. <i>NeuroImage</i> , 2011, 56, 1918-1928.	2.1	26
53	Dual-Core Beamformer for obtaining highly correlated neuronal networks in MEG. <i>NeuroImage</i> , 2011, 54, 253-263.	2.1	66
54	Xenomelia: a new right parietal lobe syndrome. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 1314-1319.	0.9	145

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55	Somatosensory System Deficits in Schizophrenia Revealed by MEG during a Median-Nerve Oddball Task. <i>Brain Topography</i> , 2010, 23, 82-104.	0.8	51
56	Cognitive Abilities and 50- and 100-msec Paired-Click Processes in Schizophrenia. <i>American Journal of Psychiatry</i> , 2010, 167, 1264-1275.	4.0	86
57	Divergent Cortical Generators of MEG and EEG during Human Sleep Spindles Suggested by Distributed Source Modeling. <i>PLoS ONE</i> , 2010, 5, e11454.	1.1	46
58	Apotemnophilia - the Neurological Basis of a 'Psychological' Disorder. <i>Nature Precedings</i> , 2009, , .	0.1	7
59	Integrated Imaging Approach with MEG and DTI to Detect Mild Traumatic Brain Injury in Military and Civilian Patients. <i>Journal of Neurotrauma</i> , 2009, 26, 1213-1226.	1.7	194
60	Source estimates for MEG/EEG visual evoked responses constrained by multiple, retinotopically mapped stimulus locations. <i>Human Brain Mapping</i> , 2009, 30, 1290-1309.	1.9	52
61	Signal Space Separation Algorithm and Its Application on Suppressing Artifacts Caused by Vagus Nerve Stimulation for Magnetoencephalography Recordings. <i>Journal of Clinical Neurophysiology</i> , 2009, 26, 392-400.	0.9	32
62	Evaluation of signal space separation via simulation. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 923-932.	1.6	35
63	Superior temporal gyrus spectral abnormalities in schizophrenia. <i>Psychophysiology</i> , 2008, 45, 812-824.	1.2	42
64	Impaired secondary somatosensory gating in patients with schizophrenia. <i>Psychiatry Research</i> , 2007, 151, 189-199.	1.7	49
65	A novel integrated MEG and EEG analysis method for dipolar sources. <i>NeuroImage</i> , 2007, 37, 731-748.	2.1	100
66	A Modified Probabilistic Neural Network for Partial Volume Segmentation in Brain MR Image. <i>IEEE Transactions on Neural Networks</i> , 2007, 18, 1424-1432.	4.8	86
67	Vector-based spatial-temporal minimum L1-norm solution for MEG. <i>NeuroImage</i> , 2006, 31, 1025-1037.	2.1	104
68	Impairment on the hippocampal-dependent virtual Morris water task in schizophrenia. <i>Schizophrenia Research</i> , 2006, 87, 67-80.	1.1	87
69	Neuropsychological and sensory gating deficits related to remote alcohol abuse history in schizophrenia. <i>Journal of the International Neuropsychological Society</i> , 2006, 12, 34-44.	1.2	26
70	A hybrid tissue segmentation approach for brain MR images. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 242-249.	1.6	23
71	A Data-Adaptive Fuzzy Rule base System for Putamen Segmentation in Brain MR Images. <i>Intelligent Automation and Soft Computing</i> , 2006, 12, 431-441.	1.6	0
72	A Specific Test of Hippocampal Deficit in Schizophrenia.. <i>Behavioral Neuroscience</i> , 2005, 119, 863-875.	0.6	56

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73	Cross-modal generality of the gating deficit. <i>Psychophysiology</i> , 2005, 42, 318-327.	1.2	32
74	A parietal-€“frontal network studied by somatosensory oddball MEG responses, and its cross-modal consistency. <i>NeuroImage</i> , 2005, 28, 99-114.	2.1	81
75	M50 sensory gating predicts negative symptoms in schizophrenia. <i>Schizophrenia Research</i> , 2005, 73, 311-318.	1.1	73
76	Neural representation of interval encoding and decision making. <i>Cognitive Brain Research</i> , 2004, 21, 193-205.	3.3	168
77	Temporal dynamics of ipsilateral and contralateral motor activity during voluntary finger movement. <i>Human Brain Mapping</i> , 2004, 23, 26-39.	1.9	65
78	Investigation of the normal proximal somatomotor system using magnetoencephalography. <i>Clinical Neurophysiology</i> , 2003, 114, 1781-1792.	0.7	15
79	Lateralization of Auditory Sensory Gating and Neuropsychological Dysfunction in Schizophrenia. <i>American Journal of Psychiatry</i> , 2003, 160, 1595-1605.	4.0	145
80	A non-invasive method for observing hippocampal function. <i>NeuroReport</i> , 2003, 14, 1957-1960.	0.6	46
81	Central versus peripheral visual field stimulation results in timing differences in dorsal stream sources as measured with MEG. <i>Vision Research</i> , 2002, 42, 3059-3074.	0.7	54
82	Sources on the anterior and posterior banks of the central sulcus identified from magnetic somatosensory evoked responses using Multi-Start Spatio-Temporal localization. <i>Human Brain Mapping</i> , 2000, 11, 59-76.	1.9	61
83	Paired MEG data set source localization using recursively applied and projected (RAP) MUSIC. <i>IEEE Transactions on Biomedical Engineering</i> , 2000, 47, 1248-1260.	2.5	33
84	Magnetoencephalographic Characterization of Sleep Spindles in Humans. <i>Journal of Clinical Neurophysiology</i> , 2000, 17, 224-231.	0.9	23