

Matthew J Brookes

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6552930/matthew-j-brookes-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

256
papers

12,562
citations

58
h-index

105
g-index

269
ext. papers

16,399
ext. citations

6.1
avg, IF

6.91
L-index

#	Paper	IF	Citations
256	Multisensory brain mechanisms of bodily self-consciousness. <i>Nature Reviews Neuroscience</i> , 2012 , 13, 556-71	13.5	653
255	Investigating the electrophysiological basis of resting state networks using magnetoencephalography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16783-8	11.5	647
254	Stimulating illusory own-body perceptions. <i>Nature</i> , 2002 , 419, 269-70	50.4	578
253	Full-body illusions and minimal phenomenal selfhood. <i>Trends in Cognitive Sciences</i> , 2009 , 13, 7-13	14	554
252	Moving magnetoencephalography towards real-world applications with a wearable system. <i>Nature</i> , 2018 , 555, 657-661	50.4	458
251	Neural basis of embodiment: distinct contributions of temporoparietal junction and extrastriate body area. <i>Journal of Neuroscience</i> , 2006 , 26, 8074-81	6.6	343
250	Behavioral, Neural, and Computational Principles of Bodily Self-Consciousness. <i>Neuron</i> , 2015 , 88, 145-66	13.9	337
249	Measuring functional connectivity using MEG: methodology and comparison with fcMRI. <i>NeuroImage</i> , 2011 , 56, 1082-104	7.9	326
248	Fast transient networks in spontaneous human brain activity. <i>ELife</i> , 2014 , 3, e01867	8.9	295
247	Out-of-body experience, heautoscopy, and autoscopic hallucination of neurological origin Implications for neurocognitive mechanisms of corporeal awareness and self-consciousness. <i>Brain Research Reviews</i> , 2005 , 50, 184-99		274
246	Broadband cortical desynchronization underlies the human psychedelic state. <i>Journal of Neuroscience</i> , 2013 , 33, 15171-83	6.6	258
245	Measuring functional connectivity in MEG: a multivariate approach insensitive to linear source leakage. <i>NeuroImage</i> , 2012 , 63, 910-20	7.9	227
244	A new generation of magnetoencephalography: Room temperature measurements using optically-pumped magnetometers. <i>NeuroImage</i> , 2017 , 149, 404-414	7.9	201
243	Optimising experimental design for MEG beamformer imaging. <i>NeuroImage</i> , 2008 , 39, 1788-802	7.9	175
242	GLM-beamformer method demonstrates stationary field, alpha ERD and gamma ERS co-localisation with fMRI BOLD response in visual cortex. <i>NeuroImage</i> , 2005 , 26, 302-8	7.9	160
241	T2* measurements in human brain at 1.5, 3 and 7 T. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 748-53	3.3	158
240	Spontaneous cortical activity transiently organises into frequency specific phase-coupling networks. <i>Nature Communications</i> , 2018 , 9, 2987	17.4	137

239	Brain system for mental orientation in space, time, and person. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11072-7	11.5	135
238	A multi-layer network approach to MEG connectivity analysis. <i>NeuroImage</i> , 2016 , 132, 425-438	7.9	131
237	Ghost interactions in MEG/EEG source space: A note of caution on inter-areal coupling measures. <i>NeuroImage</i> , 2018 , 173, 632-643	7.9	126
236	Human finger somatotopy in areas 3b, 1, and 2: a 7T fMRI study using a natural stimulus. <i>Human Brain Mapping</i> , 2014 , 35, 213-26	5.9	122
235	Body part-centered and full body-centered peripersonal space representations. <i>Scientific Reports</i> , 2015 , 5, 18603	4.9	116
234	Beamformer reconstruction of correlated sources using a modified source model. <i>NeuroImage</i> , 2007 , 34, 1454-65	7.9	116
233	Pure representational neglect after right thalamic lesion. <i>Annals of Neurology</i> , 2001 , 50, 401-4	9.4	110
232	Changes in brain network activity during working memory tasks: a magnetoencephalography study. <i>NeuroImage</i> , 2011 , 55, 1804-15	7.9	107
231	EEG-triggered functional MRI in patients with pharmaco-resistant epilepsy. <i>Journal of Magnetic Resonance Imaging</i> , 2000 , 12, 177-85	5.6	101
230	Common and distinct brain regions processing multisensory bodily signals for peripersonal space and body ownership. <i>NeuroImage</i> , 2017 , 147, 602-618	7.9	96
229	The Insula Mediates Access to Awareness of Visual Stimuli Presented Synchronously to the Heartbeat. <i>Journal of Neuroscience</i> , 2016 , 36, 5115-27	6.6	96
228	Peripersonal space as the space of the bodily self. <i>Cognition</i> , 2015 , 144, 49-57	3.5	93
227	The relationship between MEG and fMRI. <i>NeuroImage</i> , 2014 , 102 Pt 1, 80-91	7.9	91
226	Measuring temporal, spectral and spatial changes in electrophysiological brain network connectivity. <i>NeuroImage</i> , 2014 , 91, 282-99	7.9	90
225	Dynamics of large-scale electrophysiological networks: A technical review. <i>NeuroImage</i> , 2018 , 180, 559-576	8.9	89
224	3 Tesla and 7 Tesla MRI of multiple sclerosis cortical lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 32, 971-7	5.6	85
223	Neurological and robot-controlled induction of an apparition. <i>Current Biology</i> , 2014 , 24, 2681-6	6.3	81
222	On the Potential of a New Generation of Magnetometers for MEG: A Beamformer Simulation Study. <i>PLoS ONE</i> , 2016 , 11, e0157655	3.7	81

221	S72. FUNCTIONAL DISCONNECTION WITHIN THE PRESENCE HALLUCINATION NETWORK IN PSYCHOTIC PATIENTS WITH FIRST-RANK SYMPTOMS. <i>Schizophrenia Bulletin</i> , 2019 , 45, S334-S334	1.3	78
220	12.4 THE BODILY SELF IN PSYCHOSIS: SENSORIMOTOR INDUCTION OF AUDITORY MISATTRIBUTION IN PSYCHOSIS IS LINKED TO NEURAL DISCONNECTIVITY. <i>Schizophrenia Bulletin</i> , 2019 , 45, S107-S108	1.3	78
219	Full body action remapping of peripersonal space: the case of walking. <i>Neuropsychologia</i> , 2015 , 70, 375-382	3.2	78
218	S143. NEURAL MECHANISMS OF ROBOT-INDUCED HALLUCINATIONS IN HEALTHY PARTICIPANTS AND SYMPTOMATIC HALLUCINATIONS OF NEUROLOGICAL AND PSYCHIATRIC ORIGIN. <i>Schizophrenia Bulletin</i> , 2020 , 46, S90-S91	1.3	78
217	Measuring electrophysiological connectivity by power envelope correlation: a technical review on MEG methods. <i>Physics in Medicine and Biology</i> , 2015 , 60, R271-95	3.8	76
216	Optically pumped magnetometers: From quantum origins to multi-channel magnetoencephalography. <i>NeuroImage</i> , 2019 , 199, 598-608	7.9	75
215	Transient Modulations of Neural Responses to Heartbeats Covary with Bodily Self-Consciousness. <i>Journal of Neuroscience</i> , 2016 , 36, 8453-60	6.6	73
214	The brain network reflecting bodily self-consciousness: a functional connectivity study. <i>Social Cognitive and Affective Neuroscience</i> , 2014 , 9, 1904-13	4	72
213	The contribution of electrophysiology to functional connectivity mapping. <i>NeuroImage</i> , 2013 , 80, 297-306	6.9	70
212	Neural Sources and Underlying Mechanisms of Neural Responses to Heartbeats, and their Role in Bodily Self-consciousness: An Intracranial EEG Study. <i>Cerebral Cortex</i> , 2018 , 28, 2351-2364	5.1	69
211	A bi-planar coil system for nulling background magnetic fields in scalp mounted magnetoencephalography. <i>NeuroImage</i> , 2018 , 181, 760-774	7.9	69
210	Integrating cross-frequency and within band functional networks in resting-state MEG: A multi-layer network approach. <i>NeuroImage</i> , 2016 , 142, 324-336	7.9	68
209	Quantifying the role of motor imagery in brain-machine interfaces. <i>Scientific Reports</i> , 2016 , 6, 24076	4.9	66
208	Right insular damage decreases heartbeat awareness and alters cardio-visual effects on bodily self-consciousness. <i>Neuropsychologia</i> , 2015 , 70, 11-20	3.2	64
207	Illusory self-identification with an avatar reduces arousal responses to painful stimuli. <i>Behavioural Brain Research</i> , 2014 , 261, 275-81	3.4	64
206	Unconscious integration of multisensory bodily inputs in the peripersonal space shapes bodily self-consciousness. <i>Cognition</i> , 2017 , 166, 174-183	3.5	63
205	Multi-channel whole-head OPM-MEG: Helmet design and a comparison with a conventional system. <i>NeuroImage</i> , 2020 , 219, 116995	7.9	63
204	Relationships between cortical myeloarchitecture and electrophysiological networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13510-13515	11.5	63

203	Coupling Inner and Outer Body for Self-Consciousness. <i>Trends in Cognitive Sciences</i> , 2019 , 23, 377-388	14	63
202	Glutathione and glutamate in schizophrenia: a 7T MRS study. <i>Molecular Psychiatry</i> , 2020 , 25, 873-882	15.1	61
201	Virtual reality improves embodiment and neuropathic pain caused by spinal cord injury. <i>Neurology</i> , 2017 , 89, 1894-1903	6.5	60
200	Measurement of dynamic task related functional networks using MEG. <i>NeuroImage</i> , 2017 , 146, 667-678	7.9	59
199	Dynamic recruitment of resting state sub-networks. <i>NeuroImage</i> , 2015 , 115, 85-95	7.9	58
198	Relating BOLD fMRI and neural oscillations through convolution and optimal linear weighting. <i>NeuroImage</i> , 2010 , 49, 1479-89	7.9	58
197	Simultaneous EEG source localisation and artifact rejection during concurrent fMRI by means of spatial filtering. <i>NeuroImage</i> , 2008 , 40, 1090-104	7.9	57
196	Task induced modulation of neural oscillations in electrophysiological brain networks. <i>NeuroImage</i> , 2012 , 63, 1918-30	7.9	49
195	Flexible head-casts for high spatial precision MEG. <i>Journal of Neuroscience Methods</i> , 2017 , 276, 38-45	3	48
194	The effect of hypercapnia on resting and stimulus induced MEG signals. <i>NeuroImage</i> , 2011 , 58, 1034-43	7.9	48
193	Relationships Between Neuronal Oscillatory Amplitude and Dynamic Functional Connectivity. <i>Cerebral Cortex</i> , 2019 , 29, 2668-2681	5.1	47
192	Dynamic state allocation for MEG source reconstruction. <i>NeuroImage</i> , 2013 , 77, 77-92	7.9	47
191	Band correlates of the fMRI BOLD response. <i>Human Brain Mapping</i> , 2011 , 32, 182-97	5.9	46
190	Alzheimer's disease disrupts alpha and beta-band resting-state oscillatory network connectivity. <i>Clinical Neurophysiology</i> , 2017 , 128, 2347-2357	4.3	45
189	Mental imagery for full and upper human bodies: common right hemisphere activations and distinct extrastriate activations. <i>Brain Topography</i> , 2010 , 23, 321-32	4.3	45
188	Visual Feedback Dominates the Sense of Agency for Brain-Machine Actions. <i>PLoS ONE</i> , 2015 , 10, e0130039	3.9	44
187	Preliminary evidence for a fronto-parietal dysfunction in able-bodied participants with a desire for limb amputation. <i>Journal of Neuropsychology</i> , 2009 , 3, 181-200	2.6	44
186	Towards OPM-MEG in a virtual reality environment. <i>NeuroImage</i> , 2019 , 199, 408-417	7.9	43

185	Using variance information in magnetoencephalography measures of functional connectivity. <i>NeuroImage</i> , 2013 , 67, 203-12	7.9	43
184	Exploring the feasibility of simultaneous electroencephalography/functional magnetic resonance imaging at 7 T. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 968-77	3.3	42
183	Modulation of post-movement beta rebound by contraction force and rate of force development. <i>Human Brain Mapping</i> , 2016 , 37, 2493-511	5.9	42
182	Wearable neuroimaging: Combining and contrasting magnetoencephalography and electroencephalography. <i>NeuroImage</i> , 2019 , 201, 116099	7.9	41
181	A tool for functional brain imaging with lifespan compliance. <i>Nature Communications</i> , 2019 , 10, 4785	17.4	41
180	Heartbeat-enhanced immersive virtual reality to treat complex regional pain syndrome. <i>Neurology</i> , 2018 , 91, e479-e489	6.5	40
179	Suppression of the auditory N1-component for heartbeat-related sounds reflects interoceptive predictive coding. <i>Biological Psychology</i> , 2014 , 99, 172-82	3.2	40
178	Abnormal salience signaling in schizophrenia: The role of integrative beta oscillations. <i>Human Brain Mapping</i> , 2016 , 37, 1361-74	5.9	39
177	Characterizing first and third person viewpoints and their alternation for embodied interaction in virtual reality. <i>PLoS ONE</i> , 2017 , 12, e0190109	3.7	39
176	Investigating spatial specificity and data averaging in MEG. <i>NeuroImage</i> , 2010 , 49, 525-38	7.9	38
175	A general linear model for MEG beamformer imaging. <i>NeuroImage</i> , 2004 , 23, 936-46	7.9	38
174	Anatomical and functional properties of the foot and leg representation in areas 3b, 1 and 2 of primary somatosensory cortex in humans: A 7T fMRI study. <i>NeuroImage</i> , 2017 , 159, 473-487	7.9	37
173	Heartbeat-evoked cortical responses: Underlying mechanisms, functional roles, and methodological considerations. <i>NeuroImage</i> , 2019 , 197, 502-511	7.9	37
172	Increasing upper limb training intensity in chronic stroke using embodied virtual reality: a pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017 , 14, 119	5.3	37
171	Optimising experimental design for MEG resting state functional connectivity measurement. <i>NeuroImage</i> , 2017 , 155, 565-576	7.9	36
170	Altered temporal stability in dynamic neural networks underlies connectivity changes in neurodevelopment. <i>NeuroImage</i> , 2018 , 174, 563-575	7.9	35
169	A biophysical model of dynamic balancing of excitation and inhibition in fast oscillatory large-scale networks. <i>PLoS Computational Biology</i> , 2018 , 14, e1006007	5	35
168	Inter- and intra-subject variability of neuromagnetic resting state networks. <i>Brain Topography</i> , 2014 , 27, 620-34	4.3	35

167	Balanced, bi-planar magnetic field and field gradient coils for field compensation in wearable magnetoencephalography. <i>Scientific Reports</i> , 2019 , 9, 14196	4.9	34
166	Using generative models to make probabilistic statements about hippocampal engagement in MEG. <i>NeuroImage</i> , 2017 , 149, 468-482	7.9	33
165	Size and Viewpoint of an Embodied Virtual Body Affect the Processing of Painful Stimuli. <i>Journal of Pain</i> , 2016 , 17, 350-8	5.2	33
164	Abnormal visuomotor processing in schizophrenia. <i>NeuroImage: Clinical</i> , 2016 , 12, 869-878	5.3	33
163	Cognitive neuroscience using wearable magnetometer arrays: Non-invasive assessment of language function. <i>NeuroImage</i> , 2018 , 181, 513-520	7.9	33
162	Audio-Tactile and Peripersonal Space Processing Around the Trunk in Human Parietal and Temporal Cortex: An Intracranial EEG Study. <i>Cerebral Cortex</i> , 2018 , 28, 3385-3397	5.1	33
161	Tracking dynamic brain networks using high temporal resolution MEG measures of functional connectivity. <i>NeuroImage</i> , 2019 , 200, 38-50	7.9	31
160	Comparison of functional connectivity in default mode and sensorimotor networks at 3 and 7T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010 , 23, 339-49	2.8	31
159	Direction-selective motion blindness after unilateral posterior brain damage. <i>European Journal of Neuroscience</i> , 2003 , 18, 709-22	3.5	31
158	The role of transient spectral bursts in functional connectivity: A magnetoencephalography study. <i>NeuroImage</i> , 2020 , 209, 116537	7.9	30
157	From multisensory integration in peripersonal space to bodily self-consciousness: from statistical regularities to statistical inference. <i>Annals of the New York Academy of Sciences</i> , 2018 , 1426, 146	6.5	30
156	Suppression of the N1 auditory evoked potential for sounds generated by the upper and lower limbs. <i>Biological Psychology</i> , 2014 , 102, 108-17	3.2	30
155	Direction of saccadic and smooth eye movements induced by electrical stimulation of the human frontal eye field: effect of orbital position. <i>Experimental Brain Research</i> , 2003 , 150, 174-83	2.3	30
154	Imaging the human hippocampus with optically-pumped magnetoencephalography. <i>NeuroImage</i> , 2019 , 203, 116192	7.9	29
153	Functional Connectivity in MRI Is Driven by Spontaneous BOLD Events. <i>PLoS ONE</i> , 2015 , 10, e0124577	3.7	29
152	Breathing is coupled with voluntary action and the cortical readiness potential. <i>Nature Communications</i> , 2020 , 11, 289	17.4	28
151	Magnetoencephalographic and functional MRI connectomics in schizophrenia via intra- and inter-network connectivity. <i>NeuroImage</i> , 2017 , 145, 96-106	7.9	28
150	Source localisation in concurrent EEG/fMRI: applications at 7T. <i>NeuroImage</i> , 2009 , 45, 440-52	7.9	28

149	Illusory reduplications of the human body and self. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2008 , 88, 429-58	3	28
148	Learning to integrate contradictory multisensory self-motion cue pairings. <i>Journal of Vision</i> , 2015 , 15, 15.1.10	0.4	27
147	Audio-visual sensory deprivation degrades visuo-tactile peri-personal space. <i>Consciousness and Cognition</i> , 2018 , 61, 61-75	2.6	26
146	Breathing and sense of self: visuo-respiratory conflicts alter body self-consciousness. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 203, 68-74	2.8	26
145	Balancing awareness: Vestibular signals modulate visual consciousness in the absence of awareness. <i>Consciousness and Cognition</i> , 2015 , 36, 289-97	2.6	25
144	Vestibular modulation of peripersonal space boundaries. <i>European Journal of Neuroscience</i> , 2018 , 47, 800-811	3.5	24
143	Neural adaptation accounts for the dynamic resizing of peripersonal space: evidence from a psychophysical-computational approach. <i>Journal of Neurophysiology</i> , 2018 , 119, 2307-2333	3.2	24
142	Cortical and subcortical mechanisms of brain-machine interfaces. <i>Human Brain Mapping</i> , 2017 , 38, 2971-2989	3.9	23
141	First-person view of one's body in immersive virtual reality: Influence on episodic memory. <i>PLoS ONE</i> , 2019 , 14, e0197763	3.7	23
140	Explaining the heterogeneity of functional connectivity findings in multiple sclerosis: An empirically informed modeling study. <i>Human Brain Mapping</i> , 2018 , 39, 2541-2548	5.9	23
139	Interferences between breathing, experimental dyspnoea and bodily self-consciousness. <i>Scientific Reports</i> , 2017 , 7, 9990	4.9	23
138	Resting-state oscillatory dynamics in sensorimotor cortex in benign epilepsy with centro-temporal spikes and typical brain development. <i>Human Brain Mapping</i> , 2015 , 36, 3935-49	5.9	23
137	Hearing of a presence. <i>Neurocase</i> , 2003 , 9, 329-39	0.8	23
136	How do spatially distinct frequency specific MEG networks emerge from one underlying structural connectome? The role of the structural eigenmodes. <i>NeuroImage</i> , 2019 , 186, 211-220	7.9	23
135	Comparing multilayer brain networks between groups: Introducing graph metrics and recommendations. <i>NeuroImage</i> , 2018 , 166, 371-384	7.9	23
134	Two Spatially Distinct Posterior Alpha Sources Fulfill Different Functional Roles in Attention. <i>Journal of Neuroscience</i> , 2019 , 39, 7183-7194	6.6	22
133	Increased heartbeat-evoked potential during REM sleep in nightmare disorder. <i>NeuroImage: Clinical</i> , 2019 , 22, 101701	5.3	21
132	A mean field model for movement induced changes in the beta rhythm. <i>Journal of Computational Neuroscience</i> , 2017 , 43, 143-158	1.4	21

131	Measuring functional connectivity with wearable MEG. <i>NeuroImage</i> , 2021 , 230, 117815	7.9	21
130	Inference of perceptual priors from path dynamics of passive self-motion. <i>Journal of Neurophysiology</i> , 2015 , 113, 1400-13	3.2	20
129	Conceptual processing is referenced to the experienced location of the self, not to the location of the physical body. <i>Cognition</i> , 2016 , 154, 182-192	3.5	20
128	Complexity measures in magnetoencephalography: measuring "disorder" in schizophrenia. <i>PLoS ONE</i> , 2015 , 10, e0120991	3.7	20
127	Those are Your Legs: The Effect of Visuo-Spatial Viewpoint on Visuo-Tactile Integration and Body Ownership. <i>Frontiers in Psychology</i> , 2015 , 6, 1749	3.4	20
126	Vestibular-somatosensory interactions: effects of passive whole-body rotation on somatosensory detection. <i>PLoS ONE</i> , 2014 , 9, e86379	3.7	20
125	Unpacking Transient Event Dynamics in Electrophysiological Power Spectra. <i>Brain Topography</i> , 2019 , 32, 1020-1034	4.3	20
124	Cognetics: Robotic Interfaces for the Conscious Mind. <i>Trends in Cognitive Sciences</i> , 2016 , 20, 162-164	14	19
123	Using optically pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum. <i>Journal of Physiology</i> , 2019 , 597, 4309-4324	3.9	19
122	Rethinking Body Ownership in Schizophrenia: Experimental and Meta-analytical Approaches Show no Evidence for Deficits. <i>Schizophrenia Bulletin</i> , 2018 , 44, 643-652	1.3	19
121	Oscillatory neural responses evoked by natural vestibular stimuli in humans. <i>Journal of Neurophysiology</i> , 2016 , 115, 1228-42	3.2	18
120	Abnormal task driven neural oscillations in multiple sclerosis: A visuomotor MEG study. <i>Human Brain Mapping</i> , 2017 , 38, 2441-2453	5.9	17
119	Rapid Recalibration of Peri-Personal Space: Psychophysical, Electrophysiological, and Neural Network Modeling Evidence. <i>Cerebral Cortex</i> , 2020 , 30, 5088-5106	5.1	17
118	Insula mediates heartbeat related effects on visual consciousness. <i>Cortex</i> , 2018 , 101, 87-95	3.8	17
117	Cardio-visual full body illusion alters bodily self-consciousness and tactile processing in somatosensory cortex. <i>Scientific Reports</i> , 2018 , 8, 9230	4.9	17
116	A novel manipulation method of human body ownership using an fMRI-compatible master-slave system. <i>Journal of Neuroscience Methods</i> , 2014 , 235, 25-34	3	17
115	The metaphysical art of Giorgio de Chirico. Migraine or epilepsy?. <i>European Neurology</i> , 2003 , 50, 191-4	2.1	17
114	Sensorimotor Induction of Auditory Misattribution in Early Psychosis. <i>Schizophrenia Bulletin</i> , 2020 , 46, 947-954	1.3	16

113	Mapping the topological organisation of beta oscillations in motor cortex using MEG. <i>NeuroImage</i> , 2018 , 181, 831-844	7.9	16
112	Distinct contributions of Brodmann areas 1 and 2 to body ownership. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 1449-59	4	16
111	Mouth magnetoencephalography: A unique perspective on the human hippocampus. <i>NeuroImage</i> , 2021 , 225, 117443	7.9	16
110	Nobel Prize centenary: Robert Bñy and the vestibular system. <i>Current Biology</i> , 2014 , 24, R1026-8	6.3	15
109	Common Recruitment of Angular Gyrus in Episodic Autobiographical Memory and Bodily Self-Consciousness. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 270	3.5	15
108	Theoretical advantages of a triaxial optically pumped magnetometer magnetoencephalography system. <i>NeuroImage</i> , 2021 , 236, 118025	7.9	15
107	Sensorimotor conflicts alter metacognitive and action monitoring. <i>Cortex</i> , 2020 , 124, 224-234	3.8	14
106	Attenuated Post-Movement Beta Rebound Associated With Schizotypal Features in Healthy People. <i>Schizophrenia Bulletin</i> , 2019 , 45, 883-891	1.3	14
105	The effect of isocapnic hyperoxia on neurophysiology as measured with MRI and MEG. <i>NeuroImage</i> , 2015 , 105, 323-31	7.9	13
104	Optically pumped magnetoencephalography in epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 397-401	5.3	13
103	Crossing the hands increases illusory self-touch. <i>PLoS ONE</i> , 2014 , 9, e94008	3.7	13
102	Auditory verbal hallucinations of epileptic origin. <i>Epilepsy and Behavior</i> , 2014 , 31, 181-6	3.2	13
101	Cognitive loading affects motor awareness and movement kinematics but not locomotor trajectories during goal-directed walking in a virtual reality environment. <i>PLoS ONE</i> , 2014 , 9, e85560	3.7	13
100	Pragmatic spatial sampling for wearable MEG arrays. <i>Scientific Reports</i> , 2020 , 10, 21609	4.9	12
99	Subjective feeling of re-experiencing past events using immersive virtual reality prevents a loss of episodic memory. <i>Brain and Behavior</i> , 2020 , 10, e01571	3.4	12
98	An invisible touch: Body-related multisensory conflicts modulate visual consciousness. <i>Neuropsychologia</i> , 2016 , 88, 131-139	3.2	12
97	Multi-session statistics on beamformed MEG data. <i>NeuroImage</i> , 2014 , 95, 330-5	7.9	12
96	Interoceptive signals impact visual processing: Cardiac modulation of visual body perception. <i>NeuroImage</i> , 2017 , 158, 176-185	7.9	12

95	Resting state MEG oscillations show long-range temporal correlations of phase synchrony that break down during finger movement. <i>Frontiers in Physiology</i> , 2015 , 6, 183	4.6	12
94	Bodily self-consciousness and its disorders. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018 , 151, 313-330	3	11
93	Spatial and spectral trajectories in typical neurodevelopment from childhood to middle age. <i>Network Neuroscience</i> , 2019 , 3, 497-520	5.6	11
92	Precision magnetic field modelling and control for wearable magnetoencephalography. <i>NeuroImage</i> , 2021 , 241, 118401	7.9	11
91	Inferior frontal oscillations reveal visuo-motor matching for actions and speech: evidence from human intracranial recordings. <i>Neuropsychologia</i> , 2015 , 79, 206-14	3.2	9
90	The Effect of Ketamine on Electrophysiological Connectivity in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2020 , 11, 519	5	9
89	Neural generators of psychogenic seizures: evidence from intracranial and extracranial brain recordings. <i>Epilepsy and Behavior</i> , 2014 , 31, 381-5	3.2	9
88	Entrainment of Voluntary Movement to Undetected Auditory Regularities. <i>Scientific Reports</i> , 2017 , 7, 14867	4.9	9
87	Development of human electrophysiological brain networks. <i>Journal of Neurophysiology</i> , 2018 , 120, 3123-3130	3.3	9
86	Data-driven model optimization for optically pumped magnetometer sensor arrays. <i>Human Brain Mapping</i> , 2019 , 40, 4357-4369	5.9	8
85	Does function fit structure? A ground truth for non-invasive neuroimaging. <i>NeuroImage</i> , 2014 , 94, 89-95	7.9	8
84	Connectomics of human electrophysiology.. <i>NeuroImage</i> , 2021 , 247, 118788	7.9	8
83	Measuring the cortical tracking of speech with optically-pumped magnetometers. <i>NeuroImage</i> , 2021 , 233, 117969	7.9	8
82	How Sensitive Are Conventional MEG Functional Connectivity Metrics With Sliding Windows to Detect Genuine Fluctuations in Dynamic Functional Connectivity?. <i>Frontiers in Neuroscience</i> , 2019 , 13, 797	5.1	7
81	Visual gravity contributes to subjective first-person perspective. <i>Neuroscience of Consciousness</i> , 2016 , 2016, niw006	3.3	7
80	Performance monitoring for brain-computer-interface actions. <i>Brain and Cognition</i> , 2017 , 111, 44-50	2.7	7
79	Robot-induced hallucinations in Parkinson's disease depend on altered sensorimotor processing in fronto-temporal network. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	7
78	Sensorimotor conflicts induce somatic passivity and louden quiet voices in healthy listeners. <i>Schizophrenia Research</i> , 2021 , 231, 170-177	3.6	7

77	Triaxial detection of the neuromagnetic field using optically-pumped magnetometry: feasibility and application in children.. <i>NeuroImage</i> , 2022 , 119027	7.9	7
76	Changes in electrophysiological markers of cognitive control after administration of galantamine. <i>NeuroImage: Clinical</i> , 2018 , 20, 228-235	5.3	6
75	Reprint of "Breathing and sense of self: visuo-respiratory conflicts alter body self-consciousness". <i>Respiratory Physiology and Neurobiology</i> , 2014 , 204, 131-7	2.8	6
74	Visuospatial neglect in Lovis Corinth's self-portraits. <i>International Review of Neurobiology</i> , 2006 , 74, 193-214	4.4	6
73	I and me: self-portraiture in brain damage. <i>Frontiers of Neurology and Neuroscience</i> , 2007 , 22, 14-29	1.1	6
72	Evidence accumulation relates to perceptual consciousness and monitoring. <i>Nature Communications</i> , 2021 , 12, 3261	17.4	6
71	Thought consciousness and source monitoring depend on robotically controlled sensorimotor conflicts and illusory states. <i>iScience</i> , 2021 , 24, 101955	6.1	6
70	Differential classification of states of consciousness using envelope- and phase-based functional connectivity. <i>NeuroImage</i> , 2021 , 237, 118171	7.9	6
69	Magnetic Field Mapping and Correction for Moving OP-MEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , PP,	5	6
68	Distinct locomotor control and awareness in awake sleepwalkers. <i>Current Biology</i> , 2017 , 27, R1102-R1104	4.3	5
67	You or me? Disentangling perspectival, perceptual, and integrative mechanisms in heterotopagnosia. <i>Cortex</i> , 2019 , 120, 212-222	3.8	5
66	Behavioral and neurophysiological evidence for altered interoceptive bodily processing in chronic pain. <i>NeuroImage</i> , 2020 , 217, 116902	7.9	5
65	Mechanisms of the breathing contribution to bodily self-consciousness in healthy humans: Lessons from machine-assisted breathing?. <i>Psychophysiology</i> , 2020 , 57, e13564	4.1	5
64	Distinct vestibular effects on early and late somatosensory cortical processing in humans. <i>NeuroImage</i> , 2016 , 125, 208-219	7.9	5
63	Depersonalization- and derealization-like phenomena of epileptic origin. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 1739-1747	5.3	5
62	Lateralising value of experiential hallucinations in temporal lobe epilepsy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015 , 86, 1273-6	5.5	5
61	Visual and force feedback time-delays change telepresence: Quantitative evidence from crossmodal congruency task 2013 ,		5
60	Author response: Fast transient networks in spontaneous human brain activity 2014 ,		5

59	An Introduction to MEG Connectivity Measurements 2014 , 321-358		5
58	Enhancing analgesic spinal cord stimulation for chronic pain with personalized immersive virtual reality. <i>Pain</i> , 2021 , 162, 1641-1649	8	5
57	Age-related differences in myeloarchitecture measured at 7 T. <i>Neurobiology of Aging</i> , 2020 , 96, 246-254	5.6	5
56	How ageing shapes body and space representations: A comparison study between healthy young and older adults. <i>Cortex</i> , 2021 , 136, 56-76	3.8	5
55	Interlayer connectivity reconstruction for multilayer brain networks using phase oscillator models. <i>New Journal of Physics</i> , 2021 , 23, 063065	2.9	5
54	Motor-related oscillatory activity in schizophrenia according to phase of illness and clinical symptom severity. <i>NeuroImage: Clinical</i> , 2021 , 29, 102524	5.3	5
53	Dorsal and ventral stream contributions to form-from-motion perception in a patient with form-from motion deficit: a case report. <i>Brain Structure and Function</i> , 2017 , 222, 1093-1107	4	4
52	An intra-neural microstimulation system for ultra-high field magnetic resonance imaging and magnetoencephalography. <i>Journal of Neuroscience Methods</i> , 2017 , 290, 69-78	3	4
51	Spontaneous cortical activity transiently organises into frequency specific phase-coupling networks		4
50	Disownership of body parts as revealed by a visual scale evaluation. An observational study. <i>Neuropsychologia</i> , 2020 , 138, 107337	3.2	4
49	Post-stimulus beta responses are modulated by task duration. <i>NeuroImage</i> , 2020 , 206, 116288	7.9	4
48	Multilayer MEG functional connectivity as a potential marker for suicidal thoughts in major depressive disorder. <i>NeuroImage: Clinical</i> , 2020 , 28, 102378	5.3	4
47	Hand perceptions induced by single pulse transcranial magnetic stimulation over the primary motor cortex. <i>Brain Stimulation</i> , 2019 , 12, 693-701	5.1	4
46	Practical real-time MEG-based neural interfacing with optically pumped magnetometers. <i>BMC Biology</i> , 2021 , 19, 158	7.3	4
45	Interoception and Empathy Impact Perspective Taking. <i>Frontiers in Psychology</i> , 2020 , 11, 599429	3.4	4
44	Updating Dynamic Noise Models With Moving Magnetoencephalographic (MEG) Systems. <i>IEEE Access</i> , 2019 , 7, 10093-10102	3.5	3
43	Imaging human cortical responses to intraneural microstimulation using magnetoencephalography. <i>NeuroImage</i> , 2019 , 189, 329-340	7.9	3
42	Illusory hand ownership in a patient with personal neglect for the upper limb, but no somatoparaphenia. <i>Journal of Neuropsychology</i> , 2018 , 12, 442-462	2.6	3

41	Neuromuscular electrical stimulation restores upper limb sensory-motor functions and body representations in chronic stroke survivors.. <i>Med</i> , 2022 , 3, 58-74.e10	31.7	3
40	Torso-mounted Vibrotactile Interface to Experimentally Induce Illusory Own-body Perceptions 2019 ,		3
39	Magnetoencephalography abnormalities in adult mild traumatic brain injury: A systematic review. <i>NeuroImage: Clinical</i> , 2021 , 31, 102697	5.3	3
38	EEG Spatiotemporal Patterns Underlying Self-other Voice Discrimination. <i>Cerebral Cortex</i> , 2021 ,	5.1	3
37	Using OPM-MEG in contrasting magnetic environments.. <i>NeuroImage</i> , 2022 , 253, 119084	7.9	3
36	On-Scalp Optically Pumped Magnetometers versus Cryogenic Magnetoencephalography for Diagnostic Evaluation of Epilepsy in School-aged Children.. <i>Radiology</i> , 2022 , 212453	20.5	3
35	Optimal visuo-vestibular integration for self-motion perception in patients with unilateral vestibular loss. <i>Neuropsychologia</i> , 2018 , 111, 112-116	3.2	2
34	Ictal postural phantom limb sensation is associated with impaired mental imagery of body parts. <i>Journal of Neurology</i> , 2017 , 264, 1532-1535	5.5	2
33	Application of virtual reality in neurosurgery: Patient missing. A systematic review.. <i>Journal of Clinical Neuroscience</i> , 2022 , 95, 55-62	2.2	2
32	Sense of agency for intracortical brain-machine interfaces.. <i>Nature Human Behaviour</i> , 2022 ,	12.8	2
31	Using optically-pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum		2
30	First-person body view modulates the neural substrates of episodic memory and auto-noetic consciousness: A functional connectivity study. <i>NeuroImage</i> , 2020 , 223, 117370	7.9	2
29	Differential effects of vestibular processing on orienting exogenous and endogenous covert visual attention. <i>Experimental Brain Research</i> , 2019 , 237, 401-410	2.3	2
28	Common and distinct brain networks of autoscopic phenomena. <i>NeuroImage: Clinical</i> , 2021 , 30, 102612	5.3	2
27	Mild traumatic brain injury impairs the coordination of intrinsic and motor-related neural dynamics. <i>NeuroImage: Clinical</i> , 2021 , 32, 102841	5.3	2
26	Agency Deficits in a Human Genetic Model of Schizophrenia: Insights From 22q11DS Patients.. <i>Schizophrenia Bulletin</i> , 2021 ,	1.3	2
25	The Architectonic Experience of Body and Space in Augmented Interiors. <i>Frontiers in Psychology</i> , 2018 , 9, 375	3.4	1
24	Multisensory perceptual awareness: Categorical or graded?. <i>Cortex</i> , 2019 , 120, 169-180	3.8	1

23	Increased focal interictal discharges during specific cognitive tasks. <i>Neurocase</i> , 1999 , 5, 13-19	0.8	1
22	The Oscillatory Effects of Rhythmic Median Nerve Stimulation.. <i>NeuroImage</i> , 2022 , 118990	7.9	1
21	Ghost interactions in MEG/EEG source space: A note of caution on inter-areal coupling measures		1
20	Pragmatic spatial sampling for wearable MEG arrays		1
19	Mouth magnetoencephalography: A unique perspective on the human hippocampus		1
18	Imagined paralysis alters somatosensory evoked-potentials. <i>Cognitive Neuroscience</i> , 2020 , 11, 205-215	1.7	1
17	Premotor and fronto-striatal mechanisms associated with presence hallucinations in dementia with Lewy bodies. <i>NeuroImage: Clinical</i> , 2021 , 32, 102791	5.3	1
16	Relation between palm and finger cortical representations in primary somatosensory cortex: A 7T fMRI study. <i>Human Brain Mapping</i> , 2021 , 42, 2262-2277	5.9	1
15	Contribution of interaction force to the sense of hand ownership and the sense of hand agency. <i>Scientific Reports</i> , 2021 , 11, 18069	4.9	1
14	Breathing affects self-other voice discrimination in a bodily state associated with somatic passivity.. <i>Psychophysiology</i> , 2022 , e14016	4.1	0
13	Robotically-induced hallucination triggers subtle changes in brain network transitions.. <i>NeuroImage</i> , 2021 , 248, 118862	7.9	0
12	Reaching articular limits can negatively impact embodiment in virtual reality.. <i>PLoS ONE</i> , 2022 , 17, e0255554	3.7	0
11	Breathing control, brain, and bodily self-consciousness: Toward immersive digiceuticals to alleviate respiratory suffering.. <i>Biological Psychology</i> , 2022 , 171, 108329	3.2	0
10	Sense of self impacts spatial navigation and hexadirectional coding in human entorhinal cortex.. <i>Communications Biology</i> , 2022 , 5, 406	6.7	0
9	Autoscopic phenomena as an atypical psychiatric presentation of Huntington's disease: A case report including longitudinal clinical and neuroimaging data. <i>Cortex</i> , 2020 , 125, 299-306	3.8	
8	Numerical Priming Between Touch and Vision Depends on Tactile Discrimination. <i>Perception</i> , 2016 , 45, 114-24	1.2	
7	An Introduction to MEG Connectivity Measurements 2019 , 433-470		
6	An Introduction to MEG Connectivity Measurements 2019 , 1-38		

- 5 Increased focal interictal discharges during specific cognitive tasks. *Neurocase*, **1999**, 5, 13-19 0.8
- 4 Modulation of vection latencies in the full-body illusion. *PLoS ONE*, **2018**, 13, e0209189 3.7
- 3 Tactile spatial discrimination on the torso using vibrotactile and force stimulation. *Experimental Brain Research*, **2021**, 239, 3175-3188 2.3
- 2 Optically Pumped Magnetometers for Practical MEG-Based Brain-Computer Interfacing. *Springer Briefs in Electrical and Computer Engineering*, **2021**, 35-46 0.4
- 1 124 MEGAbIT The role of OPM MEG in assessment and diagnosis In mTBI. *Journal of Neurology, Neurosurgery and Psychiatry*, **2022**, 93, A49.1-A49 5.5