

Matthew J Brookes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6552930/publications.pdf>

Version: 2024-02-01

252
papers

18,814
citations

17405

63
h-index

18606

119
g-index

269
all docs

269
docs citations

269
times ranked

11949
citing authors

#	ARTICLE	IF	CITATIONS
1	Multisensory brain mechanisms of bodily self-consciousness. <i>Nature Reviews Neuroscience</i> , 2012, 13, 556-571.	4.9	858
2	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, 16783-16788.	3.3	847
3	Moving magnetoencephalography towards real-world applications with a wearable system. <i>Nature</i> , 2018, 555, 657-661.	13.7	795
4	Full-body illusions and minimal phenomenal selfhood. <i>Trends in Cognitive Sciences</i> , 2009, 13, 7-13.	4.0	765
5	Stimulating illusory own-body perceptions. <i>Nature</i> , 2002, 419, 269-270.	13.7	678
6	Behavioral, Neural, and Computational Principles of Bodily Self-Consciousness. <i>Neuron</i> , 2015, 88, 145-166.	3.8	503
7	Fast transient networks in spontaneous human brain activity. <i>ELife</i> , 2014, 3, e01867.	2.8	467
8	Measuring functional connectivity using MEG: Methodology and comparison with fMRI. <i>NeuroImage</i> , 2011, 56, 1082-1104.	2.1	452
9	Neural Basis of Embodiment: Distinct Contributions of Temporoparietal Junction and Extrastriate Body Area. <i>Journal of Neuroscience</i> , 2006, 26, 8074-8081.	1.7	414
10	Broadband Cortical Desynchronization Underlies the Human Psychedelic State. <i>Journal of Neuroscience</i> , 2013, 33, 15171-15183.	1.7	364
11	Measuring functional connectivity in MEG: A multivariate approach insensitive to linear source leakage. <i>NeuroImage</i> , 2012, 63, 910-920.	2.1	333
12	A new generation of magnetoencephalography: Room temperature measurements using optically-pumped magnetometers. <i>NeuroImage</i> , 2017, 149, 404-414.	2.1	329
13	Out-of-body experience, heautoscopy, and autoscopic hallucination of neurological origin. <i>Brain Research Reviews</i> , 2005, 50, 184-199.	9.1	327
14	Spontaneous cortical activity transiently organises into frequency specific phase-coupling networks. <i>Nature Communications</i> , 2018, 9, 2987.	5.8	270
15	Ghost interactions in MEG/EEG source space: A note of caution on inter-areal coupling measures. <i>NeuroImage</i> , 2018, 173, 632-643.	2.1	220
16	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, 11072-11077.	3.3	219
17	Optimising experimental design for MEG beamformer imaging. <i>NeuroImage</i> , 2008, 39, 1788-1802.	2.1	213
18	A multi-layer network approach to MEG connectivity analysis. <i>NeuroImage</i> , 2016, 132, 425-438.	2.1	205

#	ARTICLE	IF	CITATIONS
19	T2* measurements in human brain at 1.5, 3 and 7 T. <i>Magnetic Resonance Imaging</i> , 2007, 25, 748-753.	1.0	198
20	Optically pumped magnetometers: From quantum origins to multi-channel magnetoencephalography. <i>NeuroImage</i> , 2019, 199, 598-608.	2.1	186
21	Human finger somatotopy in areas 3b, 1, and 2: A 7T fMRI study using a natural stimulus. <i>Human Brain Mapping</i> , 2014, 35, 213-226.	1.9	182
22	Dynamics of large-scale electrophysiological networks: A technical review. <i>NeuroImage</i> , 2018, 180, 559-576.	2.1	174
23	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, 302-308.	2.1	167
24	Multi-channel whole-head OPM-MEG: Helmet design and a comparison with a conventional system. <i>NeuroImage</i> , 2020, 219, 116995.	2.1	164
25	Beamformer reconstruction of correlated sources using a modified source model. <i>NeuroImage</i> , 2007, 34, 1454-1465.	2.1	148
26	Coupling Inner and Outer Body for Self-Consciousness. <i>Trends in Cognitive Sciences</i> , 2019, 23, 377-388.	4.0	146
27	Body part-centered and full body-centered peripersonal space representations. <i>Scientific Reports</i> , 2015, 5, 18603.	1.6	145
28	A bi-planar coil system for nulling background magnetic fields in scalp mounted magnetoencephalography. <i>NeuroImage</i> , 2018, 181, 760-774.	2.1	143
29	Changes in brain network activity during working memory tasks: A magnetoencephalography study. <i>NeuroImage</i> , 2011, 55, 1804-1815.	2.1	138
30	The Insula Mediates Access to Awareness of Visual Stimuli Presented Synchronously to the Heartbeat. <i>Journal of Neuroscience</i> , 2016, 36, 5115-5127.	1.7	138
31	On the Potential of a New Generation of Magnetometers for MEG: A Beamformer Simulation Study. <i>PLoS ONE</i> , 2016, 11, e0157655.	1.1	138
32	Common and distinct brain regions processing multisensory bodily signals for peripersonal space and body ownership. <i>NeuroImage</i> , 2017, 147, 602-618.	2.1	134
33	Measuring temporal, spectral and spatial changes in electrophysiological brain network connectivity. <i>NeuroImage</i> , 2014, 91, 282-299.	2.1	130
34	Heartbeat-evoked cortical responses: Underlying mechanisms, functional roles, and methodological considerations. <i>NeuroImage</i> , 2019, 197, 502-511.	2.1	125
35	The relationship between MEG and fMRI. <i>NeuroImage</i> , 2014, 102, 80-91.	2.1	124
36	Peripersonal space as the space of the bodily self. <i>Cognition</i> , 2015, 144, 49-57.	1.1	123

#	ARTICLE	IF	CITATIONS
37	Neurological and Robot-Controlled Induction of an Apparition. <i>Current Biology</i> , 2014, 24, 2681-2686.	1.8	121
38	Transient Modulations of Neural Responses to Heartbeats Covary with Bodily Self-Consciousness. <i>Journal of Neuroscience</i> , 2016, 36, 8453-8460.	1.7	118
39	Pure representational neglect after right thalamic lesion. <i>Annals of Neurology</i> , 2001, 50, 401-404.	2.8	114
40	Glutathione and glutamate in schizophrenia: a 7T MRS study. <i>Molecular Psychiatry</i> , 2020, 25, 873-882.	4.1	114
41	EEG-Triggered Functional MRI in Patients With Pharmacoresistant Epilepsy. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 177-185.	1.9	112
42	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.	1.6	112
43	Measurement of dynamic task related functional networks using MEG. <i>NeuroImage</i> , 2017, 146, 667-678.	2.1	110
44	Measuring electrophysiological connectivity by power envelope correlation: a technical review on MEG methods. <i>Physics in Medicine and Biology</i> , 2015, 60, R271-R295.	1.6	108
45	Integrating cross-frequency and within band functional networks in resting-state MEG: A multi-layer network approach. <i>NeuroImage</i> , 2016, 142, 324-336.	2.1	104
46	3 Tesla and 7 Tesla MRI of multiple sclerosis cortical lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 971-977.	1.9	102
47	The brain network reflecting bodily self-consciousness: a functional connectivity study. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1904-1913.	1.5	96
48	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.	3.3	96
49	Virtual reality improves embodiment and neuropathic pain caused by spinal cord injury. <i>Neurology</i> , 2017, 89, 1894-1903.	1.5	96
50	A tool for functional brain imaging with lifespan compliance. <i>Nature Communications</i> , 2019, 10, 4785.	5.8	96
51	Full body action remapping of peripersonal space: The case of walking. <i>Neuropsychologia</i> , 2015, 70, 375-384.	0.7	94
52	Characterizing first and third person viewpoints and their alternation for embodied interaction in virtual reality. <i>PLoS ONE</i> , 2017, 12, e0190109.	1.1	94
53	Dynamic recruitment of resting state sub-networks. <i>NeuroImage</i> , 2015, 115, 85-95.	2.1	93
54	Magnetoencephalography with optically pumped magnetometers (OPM-MEG): the next generation of functional neuroimaging. <i>Trends in Neurosciences</i> , 2022, 45, 621-634.	4.2	91

#	ARTICLE	IF	CITATIONS
55	Towards OPM-MEG in a virtual reality environment. <i>NeuroImage</i> , 2019, 199, 408-417.	2.1	87
56	Relationships Between Neuronal Oscillatory Amplitude and Dynamic Functional Connectivity. <i>Cerebral Cortex</i> , 2019, 29, 2668-2681.	1.6	85
57	Quantifying the role of motor imagery in brain-machine interfaces. <i>Scientific Reports</i> , 2016, 6, 24076.	1.6	84
58	Tracking dynamic brain networks using high temporal resolution MEG measures of functional connectivity. <i>NeuroImage</i> , 2019, 200, 38-50.	2.1	83
59	Wearable neuroimaging: Combining and contrasting magnetoencephalography and electroencephalography. <i>NeuroImage</i> , 2019, 201, 116099.	2.1	82
60	Right insular damage decreases heartbeat awareness and alters cardio-visual effects on bodily self-consciousness. <i>Neuropsychologia</i> , 2015, 70, 11-20.	0.7	81
61	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.	2.1	81
62	Illusory self-identification with an avatar reduces arousal responses to painful stimuli. <i>Behavioural Brain Research</i> , 2014, 261, 275-281.	1.2	80
63	Unconscious integration of multisensory bodily inputs in the peripersonal space shapes bodily self-consciousness. <i>Cognition</i> , 2017, 166, 174-183.	1.1	80
64	The contribution of electrophysiology to functional connectivity mapping. <i>NeuroImage</i> , 2013, 80, 297-306.	2.1	79
65	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.	2.4	79
66	Alzheimer's disease disrupts alpha and beta-band resting-state oscillatory network connectivity. <i>Clinical Neurophysiology</i> , 2017, 128, 2347-2357.	0.7	77
67	Triaxial detection of the neuromagnetic field using optically-pumped magnetometry: feasibility and application in children. <i>NeuroImage</i> , 2022, 252, 119027.	2.1	76
68	A biophysical model of dynamic balancing of excitation and inhibition in fast oscillatory large-scale networks. <i>PLoS Computational Biology</i> , 2018, 14, e1006007.	1.5	73
69	Theoretical advantages of a triaxial optically pumped magnetometer magnetoencephalography system. <i>NeuroImage</i> , 2021, 236, 118025.	2.1	73
70	Balanced, bi-planar magnetic field and field gradient coils for field compensation in wearable magnetoencephalography. <i>Scientific Reports</i> , 2019, 9, 14196.	1.6	72
71	Measuring functional connectivity with wearable MEG. <i>NeuroImage</i> , 2021, 230, 117815.	2.1	72
72	Relating BOLD fMRI and neural oscillations through convolution and optimal linear weighting. <i>NeuroImage</i> , 2010, 49, 1479-1489.	2.1	69

#	ARTICLE	IF	CITATIONS
73	Flexible head-casts for high spatial precision MEG. <i>Journal of Neuroscience Methods</i> , 2017, 276, 38-45.	1.3	69
74	Connectomics of human electrophysiology. <i>NeuroImage</i> , 2022, 247, 118788.	2.1	69
75	Optimising experimental design for MEG resting state functional connectivity measurement. <i>NeuroImage</i> , 2017, 155, 565-576.	2.1	67
76	Simultaneous EEG source localisation and artifact rejection during concurrent fMRI by means of spatial filtering. <i>NeuroImage</i> , 2008, 40, 1090-1104.	2.1	65
77	Modulation of post-movement beta rebound by contraction force and rate of force development. <i>Human Brain Mapping</i> , 2016, 37, 2493-2511.	1.9	65
78	Dynamic state allocation for MEG source reconstruction. <i>NeuroImage</i> , 2013, 77, 77-92.	2.1	64
79	Heartbeat-enhanced immersive virtual reality to treat complex regional pain syndrome. <i>Neurology</i> , 2018, 91, e479-e489.	1.5	64
80	Altered temporal stability in dynamic neural networks underlies connectivity changes in neurodevelopment. <i>NeuroImage</i> , 2018, 174, 563-575.	2.1	60
81	The role of transient spectral "bursts" in functional connectivity: A magnetoencephalography study. <i>NeuroImage</i> , 2020, 209, 116537.	2.1	60
82	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.	2.1	59
83	The effect of hypercapnia on resting and stimulus induced MEG signals. <i>NeuroImage</i> , 2011, 58, 1034-1043.	2.1	57
84	Task induced modulation of neural oscillations in electrophysiological brain networks. <i>NeuroImage</i> , 2012, 63, 1918-1930.	2.1	57
85	Visual Feedback Dominates the Sense of Agency for Brain-Machine Actions. <i>PLoS ONE</i> , 2015, 10, e0130019.	1.1	57
86	Abnormal salience signaling in schizophrenia: The role of integrative beta oscillations. <i>Human Brain Mapping</i> , 2016, 37, 1361-1374.	1.9	57
87	Cognitive neuroscience using wearable magnetometer arrays: Non-invasive assessment of language function. <i>NeuroImage</i> , 2018, 181, 513-520.	2.1	56
88	Breathing is coupled with voluntary action and the cortical readiness potential. <i>Nature Communications</i> , 2020, 11, 289.	5.8	56
89	Mouth magnetoencephalography: A unique perspective on the human hippocampus. <i>NeuroImage</i> , 2021, 225, 117443.	2.1	56
90	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.	0.6	55

#	ARTICLE	IF	CITATIONS
91	Î²-Band correlates of the fMRI BOLD response. <i>Human Brain Mapping</i> , 2011, 32, 182-197.	1.9	55
92	Precision magnetic field modelling and control for wearable magnetoencephalography. <i>NeuroImage</i> , 2021, 241, 118401.	2.1	54
93	On-Scalp Optically Pumped Magnetometers versus Cryogenic Magnetoencephalography for Diagnostic Evaluation of Epilepsy in School-aged Children. <i>Radiology</i> , 2022, 304, 429-434.	3.6	54
94	Exploring the feasibility of simultaneous electroencephalography/functional magnetic resonance imaging at 7 T. <i>Magnetic Resonance Imaging</i> , 2008, 26, 968-977.	1.0	53
95	Suppression of the auditory N1-component for heartbeat-related sounds reflects interoceptive predictive coding. <i>Biological Psychology</i> , 2014, 99, 172-182.	1.1	53
96	Imaging the human hippocampus with optically-pumped magnetoencephalography. <i>NeuroImage</i> , 2019, 203, 116192.	2.1	52
97	Using variance information in magnetoencephalography measures of functional connectivity. <i>NeuroImage</i> , 2013, 67, 203-212.	2.1	50
98	Inter- and Intra-Subject Variability of Neuromagnetic Resting State Networks. <i>Brain Topography</i> , 2014, 27, 620-634.	0.8	50
99	Learning to integrate contradictory multisensory self-motion cue pairings. <i>Journal of Vision</i> , 2015, 15, 10-10.	0.1	50
100	Suppression of the N1 auditory evoked potential for sounds generated by the upper and lower limbs. <i>Biological Psychology</i> , 2014, 102, 108-117.	1.1	49
101	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.	1.6	49
102	A general linear model for MEG beamformer imaging. <i>NeuroImage</i> , 2004, 23, 936-946.	2.1	48
103	Mental Imagery for Full and Upper Human Bodies: Common Right Hemisphere Activations and Distinct Extrastriate Activations. <i>Brain Topography</i> , 2010, 23, 321-332.	0.8	48
104	Unpacking Transient Event Dynamics in Electrophysiological Power Spectra. <i>Brain Topography</i> , 2019, 32, 1020-1034.	0.8	48
105	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, 339-349.	1.1	47
106	Two Spatially Distinct Posterior Alpha Sources Fulfill Different Functional Roles in Attention. <i>Journal of Neuroscience</i> , 2019, 39, 7183-7194.	1.7	47
107	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, 146-165.	1.8	46
108	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, 174-183.	0.7	44

#	ARTICLE	IF	CITATIONS
109	Comparing multilayer brain networks between groups: Introducing graph metrics and recommendations. <i>NeuroImage</i> , 2018, 166, 371-384.	2.1	44
110	Investigating spatial specificity and data averaging in MEG. <i>NeuroImage</i> , 2010, 49, 525-538.	2.1	43
111	Optically pumped magnetoencephalography in epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 397-401.	1.7	43
112	Abnormal visuomotor processing in schizophrenia. <i>NeuroImage: Clinical</i> , 2016, 12, 869-878.	1.4	42
113	Using generative models to make probabilistic statements about hippocampal engagement in MEG. <i>NeuroImage</i> , 2017, 149, 468-482.	2.1	42
114	Magnetoencephalographic and functional MRI connectomics in schizophrenia via intra- and inter-network connectivity. <i>NeuroImage</i> , 2017, 145, 96-106.	2.1	42
115	Chapter 22 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, 429-458.	1.0	41
116	Size and Viewpoint of an Embodied Virtual Body Affect the Processing of Painful Stimuli. <i>Journal of Pain</i> , 2016, 17, 350-358.	0.7	41
117	First-person view of one's body in immersive virtual reality: Influence on episodic memory. <i>PLoS ONE</i> , 2019, 14, e0197763.	1.1	41
118	Functional Connectivity in MRI Is Driven by Spontaneous BOLD Events. <i>PLoS ONE</i> , 2015, 10, e0124577.	1.1	40
119	Explaining the heterogeneity of functional connectivity findings in multiple sclerosis: An empirically informed modeling study. <i>Human Brain Mapping</i> , 2018, 39, 2541-2548.	1.9	40
120	Interferences between breathing, experimental dyspnoea and bodily self-consciousness. <i>Scientific Reports</i> , 2017, 7, 9990.	1.6	38
121	Increased heartbeat-evoked potential during REM sleep in nightmare disorder. <i>NeuroImage: Clinical</i> , 2019, 22, 101701.	1.4	38
122	Evidence accumulation relates to perceptual consciousness and monitoring. <i>Nature Communications</i> , 2021, 12, 3261.	5.8	38
123	Breathing and sense of self: Visuo-respiratory conflicts alter body self-consciousness. <i>Respiratory Physiology and Neurobiology</i> , 2014, 203, 68-74.	0.7	36
124	Cortical and subcortical mechanisms of brain-machine interfaces. <i>Human Brain Mapping</i> , 2017, 38, 2971-2989.	1.9	36
125	A mean field model for movement induced changes in the beta rhythm. <i>Journal of Computational Neuroscience</i> , 2017, 43, 143-158.	0.6	36
126	Direction-selective motion blindness after unilateral posterior brain damage. <i>European Journal of Neuroscience</i> , 2003, 18, 709-722.	1.2	33

#	ARTICLE	IF	CITATIONS
127	Cardio-visual full body illusion alters bodily self-consciousness and tactile processing in somatosensory cortex. <i>Scientific Reports</i> , 2018, 8, 9230.	1.6	33
128	Using OPM-MEG in contrasting magnetic environments. <i>NeuroImage</i> , 2022, 253, 119084.	2.1	33
129	Source localisation in concurrent EEG/fMRI: Applications at 7T. <i>NeuroImage</i> , 2009, 45, 440-452.	2.1	32
130	Vestibular modulation of peripersonal space boundaries. <i>European Journal of Neuroscience</i> , 2018, 47, 800-811.	1.2	32
131	Oscillatory neural responses evoked by natural vestibular stimuli in humans. <i>Journal of Neurophysiology</i> , 2016, 115, 1228-1242.	0.9	31
132	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.	0.9	31
133	Using optically pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum. <i>Journal of Physiology</i> , 2019, 597, 4309-4324.	1.3	31
134	Cognetics: Robotic Interfaces for the Conscious Mind. <i>Trends in Cognitive Sciences</i> , 2016, 20, 162-164.	4.0	30
135	Common Recruitment of Angular Gyrus in Episodic Autobiographical Memory and Bodily Self-Consciousness. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 270.	1.0	30
136	Sensorimotor conflicts alter metacognitive and action monitoring. <i>Cortex</i> , 2020, 124, 224-234.	1.1	30
137	Audio-visual sensory deprivation degrades visuo-tactile peri-personal space. <i>Consciousness and Cognition</i> , 2018, 61, 61-75.	0.8	29
138	Robot-induced hallucinations in Parkinson's disease depend on altered sensorimotor processing in fronto-temporal network. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	29
139	Complexity Measures in Magnetoencephalography: Measuring "Disorder" in Schizophrenia. <i>PLoS ONE</i> , 2015, 10, e0120991.	1.1	28
140	Balancing awareness: Vestibular signals modulate visual consciousness in the absence of awareness. <i>Consciousness and Cognition</i> , 2015, 36, 289-297.	0.8	28
141	Insula mediates heartbeat related effects on visual consciousness. <i>Cortex</i> , 2018, 101, 87-95.	1.1	28
142	Rapid Recalibration of Peri-Personal Space: Psychophysical, Electrophysiological, and Neural Network Modeling Evidence. <i>Cerebral Cortex</i> , 2020, 30, 5088-5106.	1.6	28
143	Sensorimotor Induction of Auditory Misattribution in Early Psychosis. <i>Schizophrenia Bulletin</i> , 2020, 46, 947-954.	2.3	28
144	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.	1.0	28

#	ARTICLE	IF	CITATIONS
145	Hearing of a Presence. <i>Neurocase</i> , 2003, 9, 329-339.	0.2	27
146	Resting-state oscillatory dynamics in sensorimotor cortex in benign epilepsy with centrotemporal spikes and typical brain development. <i>Human Brain Mapping</i> , 2015, 36, 3935-3949.	1.9	27
147	Mapping the topological organisation of beta oscillations in motor cortex using MEG. <i>NeuroImage</i> , 2018, 181, 831-844.	2.1	27
148	Spatial and spectral trajectories in typical neurodevelopment from childhood to middle age. <i>Network Neuroscience</i> , 2019, 3, 497-520.	1.4	27
149	Rethinking Body Ownership in Schizophrenia: Experimental and Meta-analytical Approaches Show no Evidence for Deficits. <i>Schizophrenia Bulletin</i> , 2018, 44, 643-652.	2.3	27
150	Magnetic Field Mapping and Correction for Moving OP-MEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 528-536.	2.5	26
151	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.	1.1	25
152	Nobel Prize centenary: Robert Bárány and the vestibular system. <i>Current Biology</i> , 2014, 24, R1026-R1028.	1.8	24
153	Inference of perceptual priors from path dynamics of passive self-motion. <i>Journal of Neurophysiology</i> , 2015, 113, 1400-1413.	0.9	24
154	Abnormal task driven neural oscillations in multiple sclerosis: A visuomotor MEG study. <i>Human Brain Mapping</i> , 2017, 38, 2441-2453.	1.9	24
155	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.	1.4	24
156	Pragmatic spatial sampling for wearable MEG arrays. <i>Scientific Reports</i> , 2020, 10, 21609.	1.6	23
157	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.	1.1	23
158	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.	1.3	22
159	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.	1.3	22
160	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.	1.1	22
161	Distinct contributions of Brodmann areas 1 and 2 to body ownership. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1449-1459.	1.5	22
162	Measuring the cortical tracking of speech with optically-pumped magnetometers. <i>NeuroImage</i> , 2021, 233, 117969.	2.1	22

#	ARTICLE	IF	CITATIONS
163	Vestibular-Somatosensory Interactions: Effects of Passive Whole-Body Rotation on Somatosensory Detection. PLoS ONE, 2014, 9, e86379.	1.1	21
164	Bodily self-consciousness and its disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 151, 313-330.	1.0	20
165	Application of virtual reality in neurosurgery: Patient missing. A systematic review. Journal of Clinical Neuroscience, 2022, 95, 55-62.	0.8	20
166	Neural generators of psychogenic seizures: Evidence from intracranial and extracranial brain recordings. Epilepsy and Behavior, 2014, 31, 381-385.	0.9	19
167	Multi-session statistics on beamformed MEG data. NeuroImage, 2014, 95, 330-335.	2.1	19
168	Attenuated Post-Movement Beta Rebound Associated With Schizotypal Features in Healthy People. Schizophrenia Bulletin, 2019, 45, 883-891.	2.3	19
169	Neuromuscular electrical stimulation restores upper limb sensory-motor functions and body representations in chronic stroke survivors. Med, 2022, 3, 58-74.e10.	2.2	19
170	The Metaphysical Art of Giorgio de Chirico. European Neurology, 2003, 50, 191-194.	0.6	18
171	Crossing the Hands Increases Illusory Self-Touch. PLoS ONE, 2014, 9, e94008.	1.1	17
172	An invisible touch: Body-related multisensory conflicts modulate visual consciousness. Neuropsychologia, 2016, 88, 131-139.	0.7	17
173	Behavioral and neurophysiological evidence for altered interoceptive bodily processing in chronic pain. NeuroImage, 2020, 217, 116902.	2.1	17
174	Predicting time-resolved electrophysiological brain networks from structural eigenmodes. Human Brain Mapping, 2022, 43, 4475-4491.	1.9	17
175	Auditory verbal hallucinations of epileptic origin. Epilepsy and Behavior, 2014, 31, 181-186.	0.9	16
176	The effect of isocapnic hyperoxia on neurophysiology as measured with MRI and MEG. NeuroImage, 2015, 105, 323-331.	2.1	16
177	Data-driven model optimization for optically pumped magnetometer sensor arrays. Human Brain Mapping, 2019, 40, 4357-4369.	1.9	16
178	Enhancing analgesic spinal cord stimulation for chronic pain with personalized immersive virtual reality. Pain, 2021, 162, 1641-1649.	2.0	16
179	Interoceptive signals impact visual processing: Cardiac modulation of visual body perception. NeuroImage, 2017, 158, 176-185.	2.1	15
180	Performance monitoring for brain-computer-interface actions. Brain and Cognition, 2017, 111, 44-50.	0.8	15

#	ARTICLE	IF	CITATIONS
181	Post-stimulus beta responses are modulated by task duration. <i>NeuroImage</i> , 2020, 206, 116288.	2.1	15
182	Multilayer MEG functional connectivity as a potential marker for suicidal thoughts in major depressive disorder. <i>NeuroImage: Clinical</i> , 2020, 28, 102378.	1.4	15
183	The Effect of Ketamine on Electrophysiological Connectivity in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2020, 11, 519.	1.3	15
184	Magnetoencephalography abnormalities in adult mild traumatic brain injury: A systematic review. <i>NeuroImage: Clinical</i> , 2021, 31, 102697.	1.4	15
185	Sensorimotor conflicts induce somatic passivity and louden quiet voices in healthy listeners. <i>Schizophrenia Research</i> , 2021, 231, 170-177.	1.1	15
186	Interoception and Empathy Impact Perspective Taking. <i>Frontiers in Psychology</i> , 2020, 11, 599429.	1.1	15
187	Sense of agency for intracortical brain-machine interfaces. <i>Nature Human Behaviour</i> , 2022, 6, 565-578.	6.2	15
188	Sense of self impacts spatial navigation and hexadirectional coding in human entorhinal cortex. <i>Communications Biology</i> , 2022, 5, 406.	2.0	15
189	Development of human electrophysiological brain networks. <i>Journal of Neurophysiology</i> , 2018, 120, 3122-3130.	0.9	14
190	How ageing shapes body and space representations: A comparison study between healthy young and older adults. <i>Cortex</i> , 2021, 136, 56-76.	1.1	14
191	Differential classification of states of consciousness using envelope- and phase-based functional connectivity. <i>NeuroImage</i> , 2021, 237, 118171.	2.1	14
192	Practical real-time MEG-based neural interfacing with optically pumped magnetometers. <i>BMC Biology</i> , 2021, 19, 158.	1.7	14
193	Breathing control, brain, and bodily self-consciousness: Toward immersive digiceuticals to alleviate respiratory suffering. <i>Biological Psychology</i> , 2022, 171, 108329.	1.1	14
194	Reprint of "Breathing and sense of self: Visuo-respiratory conflicts alter body self-consciousness". <i>Respiratory Physiology and Neurobiology</i> , 2014, 204, 131-137.	0.7	13
195	Mechanisms of the breathing contribution to bodily self-consciousness in healthy humans: Lessons from machine-assisted breathing?. <i>Psychophysiology</i> , 2020, 57, e13564.	1.2	13
196	Common and distinct brain networks of autoscopic phenomena. <i>NeuroImage: Clinical</i> , 2021, 30, 102612.	1.4	13
197	Inferior frontal oscillations reveal visuo-motor matching for actions and speech: evidence from human intracranial recordings. <i>Neuropsychologia</i> , 2015, 79, 206-214.	0.7	12
198	Depersonalization and derealization like phenomena of epileptic origin. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1739-1747.	1.7	12

#	ARTICLE	IF	CITATIONS
199	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.	2.1	12
200	Thought consciousness and source monitoring depend on robotically controlled sensorimotor conflicts and illusory states. <i>IScience</i> , 2021, 24, 101955.	1.9	12
201	Motor-related oscillatory activity in schizophrenia according to phase of illness and clinical symptom severity. <i>NeuroImage: Clinical</i> , 2021, 29, 102524.	1.4	12
202	An Introduction to MEG Connectivity Measurements. , 2014, , 321-358.		12
203	Visual gravity contributes to subjective first-person perspective. <i>Neuroscience of Consciousness</i> , 2016, 2016, niw006.	1.4	11
204	EEG Spatiotemporal Patterns Underlying Self-other Voice Discrimination. <i>Cerebral Cortex</i> , 2022, 32, 1978-1992.	1.6	11
205	Entrainment of Voluntary Movement to Undetected Auditory Regularities. <i>Scientific Reports</i> , 2017, 7, 14867.	1.6	10
206	You or me? Disentangling perspectival, perceptual, and integrative mechanisms in heterotopagnosia. <i>Cortex</i> , 2019, 120, 212-222.	1.1	10
207	Disownership of body parts as revealed by a visual scale evaluation. An observational study. <i>Neuropsychologia</i> , 2020, 138, 107337.	0.7	10
208	Agency Deficits in a Human Genetic Model of Schizophrenia: Insights From 22q11DS Patients. <i>Schizophrenia Bulletin</i> , 2022, 48, 495-504.	2.3	10
209	Distinct locomotor control and awareness in awake sleepwalkers. <i>Current Biology</i> , 2017, 27, R1102-R1104.	1.8	9
210	Interlayer connectivity reconstruction for multilayer brain networks using phase oscillator models. <i>New Journal of Physics</i> , 2021, 23, 063065.	1.2	9
211	Mild traumatic brain injury impairs the coordination of intrinsic and motor-related neural dynamics. <i>NeuroImage: Clinical</i> , 2021, 32, 102841.	1.4	9
212	I and Me: Self-Portraiture in Brain Damage. , 2007, 22, 14-29.		8
213	Does function fit structure? A ground truth for non-invasive neuroimaging. <i>NeuroImage</i> , 2014, 94, 89-95.	2.1	8
214	VisuoSpatial Neglect In Lovis Corinth's Self-Portraits*. <i>International Review of Neurobiology</i> , 2006, 74, 193-214.	0.9	7
215	Visual and force feedback time-delays change telepresence: Quantitative evidence from crossmodal congruency task. , 2013, , .		7
216	An intra-neural microstimulation system for ultra-high field magnetic resonance imaging and magnetoencephalography. <i>Journal of Neuroscience Methods</i> , 2017, 290, 69-78.	1.3	7

#	ARTICLE	IF	CITATIONS
217	Changes in electrophysiological markers of cognitive control after administration of galantamine. <i>NeuroImage: Clinical</i> , 2018, 20, 228-235.	1.4	7
218	Breathing affects self-Other voice discrimination in a bodily state associated with somatic passivity. <i>Psychophysiology</i> , 2022, , e14016.	1.2	7
219	Lateralising value of experiential hallucinations in temporal lobe epilepsy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 1273-1276.	0.9	6
220	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.	1.2	6
221	Hand perceptions induced by single pulse transcranial magnetic stimulation over the primary motor cortex. <i>Brain Stimulation</i> , 2019, 12, 693-701.	0.7	6
222	Age-related differences in myeloarchitecture measured at 7 T. <i>Neurobiology of Aging</i> , 2020, 96, 246-254.	1.5	6
223	Robotically-induced hallucination triggers subtle changes in brain network transitions. <i>NeuroImage</i> , 2022, 248, 118862.	2.1	6
224	The oscillatory effects of rhythmic median nerve stimulation. <i>NeuroImage</i> , 2022, 251, 118990.	2.1	6
225	Distinct vestibular effects on early and late somatosensory cortical processing in humans. <i>NeuroImage</i> , 2016, 125, 208-219.	2.1	5
226	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.	0.6	5
227	Updating Dynamic Noise Models With Moving Magnetoencephalographic (MEG) Systems. <i>IEEE Access</i> , 2019, 7, 10093-10102.	2.6	5
228	Imaging human cortical responses to intraneural microstimulation using magnetoencephalography. <i>NeuroImage</i> , 2019, 189, 329-340.	2.1	5
229	Torso-mounted Vibrotactile Interface to Experimentally Induce Illusory Own-body Perceptions. , 2019, , .		4
230	Imagined paralysis alters somatosensory evoked-potentials. <i>Cognitive Neuroscience</i> , 2020, 11, 205-215.	0.6	4
231	Relation between palm and finger cortical representations in primary somatosensory cortex: A 7T fMRI study. <i>Human Brain Mapping</i> , 2021, 42, 2262-2277.	1.9	4
232	Optimal visuo-vestibular integration for self-motion perception in patients with unilateral vestibular loss. <i>Neuropsychologia</i> , 2018, 111, 112-116.	0.7	3
233	Differential effects of vestibular processing on orienting exogenous and endogenous covert visual attention. <i>Experimental Brain Research</i> , 2019, 237, 401-410.	0.7	3
234	Tactile spatial discrimination on the torso using vibrotactile and force stimulation. <i>Experimental Brain Research</i> , 2021, 239, 3175-3188.	0.7	3

#	ARTICLE	IF	CITATIONS
235	Contribution of interaction force to the sense of hand ownership and the sense of hand agency. <i>Scientific Reports</i> , 2021, 11, 18069.	1.6	3
236	Reaching articular limits can negatively impact embodiment in virtual reality. <i>PLoS ONE</i> , 2022, 17, e0255554.	1.1	3
237	Ictal postural phantom limb sensation is associated with impaired mental imagery of body parts. <i>Journal of Neurology</i> , 2017, 264, 1532-1535.	1.8	2
238	The Architectonic Experience of Body and Space in Augmented Interiors. <i>Frontiers in Psychology</i> , 2018, 9, 375.	1.1	2
239	Multisensory perceptual awareness: Categorical or graded?. <i>Cortex</i> , 2019, 120, 169-180.	1.1	2
240	Premotor and fronto-striatal mechanisms associated with presence hallucinations in dementia with Lewy bodies. <i>NeuroImage: Clinical</i> , 2021, 32, 102791.	1.4	2
241	Optimised hybrid shielding and magnetic field control for emerging quantum technologies. , 2021, , .		2
242	Increased focal interictal discharges during specific cognitive tasks. <i>Neurocase</i> , 1999, 5, 13-19.	0.2	1
243	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.	1.1	1
244	Numerical Priming Between Touch and Vision Depends on Tactile Discrimination. <i>Perception</i> , 2016, 45, 114-124.	0.5	0
245	Modulation of vection latencies in the full-body illusion. <i>PLoS ONE</i> , 2018, 13, e0209189.	1.1	0
246	S72. FUNCTIONAL DISCONNECTION WITHIN THE PRESENCE HALLUCINATION NETWORK IN PSYCHOTIC PATIENTS WITH FIRST-RANK SYMPTOMS. <i>Schizophrenia Bulletin</i> , 2019, 45, S334-S334.	2.3	0
247	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.	2.3	0
248	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.	2.3	0
249	Increased Focal Interictal Discharges During Specific Cognitive Tasks. <i>Neurocase</i> , 1999, 5, 13-19.	0.2	0
250	An Introduction to MEG Connectivity Measurements. , 2019, , 433-470.		0
251	An Introduction to MEG Connectivity Measurements. , 2019, , 1-38.		0
252	124â€¦ MEGAbIT â€œ the role of OPM MEG in assessment and diagnosis In mTBI. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, A49.1-A49.	0.9	0