

# Gareth R Barnes

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4979453/gareth-r-barnes-publications-by-citations.pdf>

**Version:** 2024-04-27

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.

175  
papers

10,149  
citations

54  
h-index

97  
g-index

192  
ext. papers

12,363  
ext. citations

6.3  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
175	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> , <b>2011</b> , 108, 16783-8	11.5	647
174	Moving magnetoencephalography towards real-world applications with a wearable system. <i>Nature</i> , <b>2018</b> , 555, 657-661	50.4	458
173	Good practice for conducting and reporting MEG research. <i>NeuroImage</i> , <b>2013</b> , 65, 349-63	7.9	412
172	EEG and MEG data analysis in SPM8. <i>Computational Intelligence and Neuroscience</i> , <b>2011</b> , 2011, 852961	3	398
171	A new approach to neuroimaging with magnetoencephalography. <i>Human Brain Mapping</i> , <b>2005</b> , 25, 199-214	7.9	382
170	A quantitative assessment of the sensitivity of whole-head MEG to activity in the adult human cortex. <i>NeuroImage</i> , <b>2002</b> , 16, 638-50	7.9	327
169	Measuring functional connectivity using MEG: methodology and comparison with fMRI. <i>NeuroImage</i> , <b>2011</b> , 56, 1082-104	7.9	326
168	Frequency-dependent functional connectivity within resting-state networks: an atlas-based MEG beamformer solution. <i>NeuroImage</i> , <b>2012</b> , 59, 3909-21	7.9	295
167	Task-related changes in cortical synchronization are spatially coincident with the hemodynamic response. <i>NeuroImage</i> , <b>2002</b> , 16, 103-14	7.9	244
166	Measuring functional connectivity in MEG: a multivariate approach insensitive to linear source leakage. <i>NeuroImage</i> , <b>2012</b> , 63, 910-20	7.9	227
165	A new generation of magnetoencephalography: Room temperature measurements using optically-pumped magnetometers. <i>NeuroImage</i> , <b>2017</b> , 149, 404-414	7.9	201
164	Group imaging of task-related changes in cortical synchronisation using nonparametric permutation testing. <i>NeuroImage</i> , <b>2003</b> , 19, 1589-601	7.9	200
163	The cortical deficit in humans with strabismic amblyopia. <i>Journal of Physiology</i> , <b>2001</b> , 533, 281-97	3.9	176
162	Optimising experimental design for MEG beamformer imaging. <i>NeuroImage</i> , <b>2008</b> , 39, 1788-802	7.9	175
161	Beamformer analysis of MEG data. <i>International Review of Neurobiology</i> , <b>2005</b> , 68, 149-71	4.4	170
160	GLM-beamformer method demonstrates stationary field, alpha ERD and gamma ERS co-localisation with fMRI BOLD response in visual cortex. <i>NeuroImage</i> , <b>2005</b> , 26, 302-8	7.9	160
159	Statistical flattening of MEG beamformer images. <i>Human Brain Mapping</i> , <b>2003</b> , 18, 1-12	5.9	150

158	Visual word recognition: the first half second. <i>NeuroImage</i> , <b>2004</b> , 22, 1819-25	7.9	145
157	Movement-related changes in local and long-range synchronization in Parkinson's disease revealed by simultaneous magnetoencephalography and intracranial recordings. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 10541-53	6.6	142
156	Induced visual illusions and gamma oscillations in human primary visual cortex. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 587-92	3.5	119
155	Beamformer reconstruction of correlated sources using a modified source model. <i>NeuroImage</i> , <b>2007</b> , 34, 1454-65	7.9	116
154	Neuronal network pharmacodynamics of GABAergic modulation in the human cortex determined using pharmaco-magnetoencephalography. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 581-94	5.9	107
153	The missing link: analogous human and primate cortical gamma oscillations. <i>NeuroImage</i> , <b>2005</b> , 26, 13-7	7.9	105
152	Movement-related theta rhythm in humans: coordinating self-directed hippocampal learning. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001267	9.7	94
151	Optimized beamforming for simultaneous MEG and intracranial local field potential recordings in deep brain stimulation patients. <i>NeuroImage</i> , <b>2010</b> , 50, 1578-88	7.9	94
150	Algorithmic procedures for Bayesian MEG/EEG source reconstruction in SPM. <i>NeuroImage</i> , <b>2014</b> , 84, 476-87	7.9	93
149	The use of anatomical constraints with MEG beamformers. <i>NeuroImage</i> , <b>2003</b> , 20, 2302-13	7.9	92
148	The temporal frequency tuning of human visual cortex investigated using synthetic aperture magnetometry. <i>NeuroImage</i> , <b>2004</b> , 21, 1542-53	7.9	91
147	Measuring temporal, spectral and spatial changes in electrophysiological brain network connectivity. <i>NeuroImage</i> , <b>2014</b> , 91, 282-99	7.9	90
146	MEG beamforming using Bayesian PCA for adaptive data covariance matrix regularization. <i>NeuroImage</i> , <b>2011</b> , 57, 1466-79	7.9	88
145	Co-registration of magnetoencephalography with magnetic resonance imaging using bite-bar-based fiducials and surface-matching. <i>Clinical Neurophysiology</i> , <b>2004</b> , 115, 691-8	4.3	88
144	Dissociating the spatio-temporal characteristics of cortical neuronal activity associated with human volitional swallowing in the healthy adult brain. <i>NeuroImage</i> , <b>2004</b> , 22, 1447-55	7.9	87
143	On the Potential of a New Generation of Magnetometers for MEG: A Beamformer Simulation Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157655	3.7	81
142	Realistic spatial sampling for MEG beamformer images. <i>Human Brain Mapping</i> , <b>2004</b> , 23, 120-7	5.9	79
141	Real-time imaging of human cortical activity evoked by painful esophageal stimulation. <i>Gastroenterology</i> , <b>2005</b> , 128, 610-9	13.3	78

140	Optically pumped magnetometers: From quantum origins to multi-channel magnetoencephalography. <i>NeuroImage</i> , <b>2019</b> , 199, 598-608	7.9	75
139	IFCN-endorsed practical guidelines for clinical magnetoencephalography (MEG). <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 1720-1747	4.3	75
138	Evidence for synergy between saccades and smooth pursuit during transient target disappearance. <i>Journal of Neurophysiology</i> , <b>2006</b> , 95, 418-27	3.2	75
137	Synchronization of medial temporal lobe and prefrontal rhythms in human decision making. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 442-51	6.6	72
136	Medial prefrontal theta phase coupling during spatial memory retrieval. <i>Hippocampus</i> , <b>2014</b> , 24, 656-65	3.5	70
135	A bi-planar coil system for nulling background magnetic fields in scalp mounted magnetoencephalography. <i>NeuroImage</i> , <b>2018</b> , 181, 760-774	7.9	69
134	Decreased gray matter concentration in the lateral geniculate nuclei in human amblyopes <b>2010</b> , 51, 1432-8		69
133	Language dominance and mapping based on neuromagnetic oscillatory changes: comparison with invasive procedures. <i>Journal of Neurosurgery</i> , <b>2010</b> , 112, 528-38	3.2	69
132	Theta oscillations orchestrate medial temporal lobe and neocortex in remembering autobiographical memories. <i>NeuroImage</i> , <b>2014</b> , 85 Pt 2, 730-7	7.9	68
131	Functional evidence for a dual route to amygdala. <i>Current Biology</i> , <b>2012</b> , 22, 129-34	6.3	68
130	High precision anatomy for MEG. <i>NeuroImage</i> , <b>2014</b> , 86, 583-91	7.9	67
129	Reading front to back: MEG evidence for early feedback effects during word recognition. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 817-25	5.1	67
128	Assessing interactions of linear and nonlinear neuronal sources using MEG beamformers: a proof of concept. <i>Clinical Neurophysiology</i> , <b>2005</b> , 116, 1300-13	4.3	67
127	Source reconstruction accuracy of MEG and EEG Bayesian inversion approaches. <i>PLoS ONE</i> , <b>2012</b> , 7, e51985	3.7	64
126	Single-subject oscillatory responses in tinnitus. <i>Brain</i> , <b>2012</b> , 135, 3089-100	11.2	60
125	Human motor cortical beta bursts relate to movement planning and response errors. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000479	9.7	59
124	Dynamic recruitment of resting state sub-networks. <i>NeuroImage</i> , <b>2015</b> , 115, 85-95	7.9	58
123	Predictive smooth ocular pursuit during the transient disappearance of a visual target. <i>Journal of Neurophysiology</i> , <b>2004</b> , 92, 578-90	3.2	56

122	Discrimination of cortical laminae using MEG. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 885-93	7.9	54
121	The frequency of visually induced $\beta$ band oscillations depends on the size of early human visual cortex. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 1507-12	6.6	54
120	Modulation of alpha and gamma oscillations related to retrospectively orienting attention within working memory. <i>European Journal of Neuroscience</i> , <b>2014</b> , 40, 2399-405	3.5	52
119	A brain basis for musical hallucinations. <i>Cortex</i> , <b>2014</b> , 52, 86-97	3.8	51
118	Practical constraints on estimation of source extent with MEG beamformers. <i>NeuroImage</i> , <b>2011</b> , 54, 2732-40	7.9	51
117	Population-level inferences for distributed MEG source localization under multiple constraints: application to face-evoked fields. <i>NeuroImage</i> , <b>2007</b> , 38, 422-38	7.9	50
116	Hippocampal theta-phase modulation of replay correlates with configural-relational short-term memory performance. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 7038-42	6.6	49
115	Flexible head-casts for high spatial precision MEG. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 276, 38-45	3	48
114	The Neural Dynamics of Novel Scene Imagery. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 4375-4386	6.6	47
113	Dynamic state allocation for MEG source reconstruction. <i>NeuroImage</i> , <b>2013</b> , 77, 77-92	7.9	47
112	Stimuli of varying spatial scale induce gamma activity with distinct temporal characteristics in human visual cortex. <i>NeuroImage</i> , <b>2007</b> , 35, 518-30	7.9	45
111	Dynamic causal modelling of lateral interactions in the visual cortex. <i>NeuroImage</i> , <b>2013</b> , 66, 563-76	7.9	44
110	Towards OPM-MEG in a virtual reality environment. <i>NeuroImage</i> , <b>2019</b> , 199, 408-417	7.9	43
109	Temporal structure in associative retrieval. <i>ELife</i> , <b>2015</b> , 4,	8.9	43
108	Changes in the location of cortico-muscular coherence following stroke. <i>NeuroImage: Clinical</i> , <b>2012</b> , 2, 50-5	5.3	42
107	Wearable neuroimaging: Combining and contrasting magnetoencephalography and electroencephalography. <i>NeuroImage</i> , <b>2019</b> , 201, 116099	7.9	41
106	A tool for functional brain imaging with lifespan compliance. <i>Nature Communications</i> , <b>2019</b> , 10, 4785	17.4	41
105	Early visual responses predict conscious face perception within and between subjects during binocular rivalry. <i>Journal of Cognitive Neuroscience</i> , <b>2013</b> , 25, 969-85	3.1	40

104	Reading therapy strengthens top-down connectivity in patients with pure alexia. <i>Brain</i> , <b>2013</b> , 136, 2579-91.2	7.1	39
103	Investigating spatial specificity and data averaging in MEG. <i>NeuroImage</i> , <b>2010</b> , 49, 525-38	7.9	38
102	A general linear model for MEG beamformer imaging. <i>NeuroImage</i> , <b>2004</b> , 23, 936-46	7.9	38
101	Ventromedial prefrontal cortex drives hippocampal theta oscillations induced by mismatch computations. <i>NeuroImage</i> , <b>2015</b> , 120, 362-70	7.9	37
100	vmPFC Drives Hippocampal Processing during Autobiographical Memory Recall Regardless of Remoteness. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 5972-5987	5.1	37
99	Spatio-temporal imaging of cortical desynchronization in migraine visual aura: a magnetoencephalography case study. <i>Headache</i> , <b>2004</b> , 44, 204-8	4.2	37
98	The Frontal Control of Stopping. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 4392-406	5.1	35
97	The right hemisphere supports but does not replace left hemisphere auditory function in patients with persisting aphasia. <i>Brain</i> , <b>2013</b> , 136, 1901-12	11.2	35
96	Balanced, bi-planar magnetic field and field gradient coils for field compensation in wearable magnetoencephalography. <i>Scientific Reports</i> , <b>2019</b> , 9, 14196	4.9	34
95	Using generative models to make probabilistic statements about hippocampal engagement in MEG. <i>NeuroImage</i> , <b>2017</b> , 149, 468-482	7.9	33
94	Cognitive neuroscience using wearable magnetometer arrays: Non-invasive assessment of language function. <i>NeuroImage</i> , <b>2018</b> , 181, 513-520	7.9	33
93	Dissecting the Function of Hippocampal Oscillations in a Human Anxiety Model. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 6869-6876	6.6	30
92	Non-invasive laminar inference with MEG: Comparison of methods and source inversion algorithms. <i>NeuroImage</i> , <b>2018</b> , 167, 372-383	7.9	30
91	Imaging the human hippocampus with optically-pumped magnetoencephalography. <i>NeuroImage</i> , <b>2019</b> , 203, 116192	7.9	29
90	Gamma band pitch responses in human auditory cortex measured with magnetoencephalography. <i>NeuroImage</i> , <b>2012</b> , 59, 1904-11	7.9	29
89	Smooth ocular pursuit during the transient disappearance of an accelerating visual target: the role of reflexive and voluntary control. <i>Experimental Brain Research</i> , <b>2006</b> , 175, 1-10	2.3	29
88	The relationship between the visual evoked potential and the gamma band investigated by blind and semi-blind methods. <i>NeuroImage</i> , <b>2011</b> , 56, 1059-71	7.9	28
87	Distinct contrast response functions in striate and extra-striate regions of visual cortex revealed with magnetoencephalography (MEG). <i>Clinical Neurophysiology</i> , <b>2005</b> , 116, 1716-22	4.3	28

86	A general Bayesian treatment for MEG source reconstruction incorporating lead field uncertainty. <i>NeuroImage</i> , <b>2012</b> , 60, 1194-204	7.9	27
85	Lamina-specific cortical dynamics in human visual and sensorimotor cortices. <i>ELife</i> , <b>2018</b> , 7,	8.9	26
84	Accuracy and applications of group MEG studies using cortical source locations estimated from participants'sscalp surfaces. <i>Human Brain Mapping</i> , <b>2003</b> , 20, 142-7	5.9	25
83	Identifying spatially overlapping local cortical networks with MEG. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 1003-16	5.16	24
82	Effective electromagnetic noise cancellation with beamformers and synthetic gradiometry in shielded and partly shielded environments. <i>Journal of Neuroscience Methods</i> , <b>2009</b> , 178, 120-7	3	24
81	Distinct MEG correlates of conscious experience, perceptual reversals and stabilization during binocular rivalry. <i>NeuroImage</i> , <b>2014</b> , 100, 161-75	7.9	22
80	Functional source separation applied to induced visual gamma activity. <i>Human Brain Mapping</i> , <b>2008</b> , 29, 131-41	5.9	22
79	Induced Gamma activity in primary visual cortex is related to luminance and not color contrast: An MEG study. <i>Journal of Vision</i> , <b>2008</b> , 8, 4.1-7	0.4	21
78	Predicting the duration of ocular pursuit in humans. <i>Experimental Brain Research</i> , <b>2005</b> , 160, 10-21	2.3	21
77	Neural Competitive Queuing of Ordinal Structure Underlies Skilled Sequential Action. <i>Neuron</i> , <b>2019</b> , 101, 1166-1180.e3	13.9	19
76	Structure predicts function: combining non-invasive electrophysiology with in-vivo histology. <i>NeuroImage</i> , <b>2015</b> , 108, 377-85	7.9	19
75	Using optically pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum. <i>Journal of Physiology</i> , <b>2019</b> , 597, 4309-4324	3.9	19
74	The occluded onset pursuit paradigm: prolonging anticipatory smooth pursuit in the absence of visual feedback. <i>Experimental Brain Research</i> , <b>2006</b> , 175, 11-20	2.3	19
73	Controlling false positive rates in mass-multivariate tests for electromagnetic responses. <i>NeuroImage</i> , <b>2011</b> , 56, 1072-81	7.9	18
72	Quantitative differences in smooth pursuit and saccadic eye movements. <i>Experimental Brain Research</i> , <b>2006</b> , 175, 596-608	2.3	17
71	The spatial distribution and temporal dynamics of brain regions activated during the perception of object and non-object patterns. <i>NeuroImage</i> , <b>2007</b> , 34, 371-83	7.9	17
70	Imaging the dynamics of the auditory steady-state evoked response. <i>Neuroscience Letters</i> , <b>2005</b> , 385, 195-7	3.3	16
69	Attention and selection for predictive smooth pursuit eye movements. <i>Cognitive Brain Research</i> , <b>2005</b> , 25, 688-700		16

68	Mouth magnetoencephalography: A unique perspective on the human hippocampus. <i>NeuroImage</i> , <b>2021</b> , 225, 117443	7.9	16
67	Can we observe collective neuronal activity from macroscopic aggregate signals?. <i>NeuroImage</i> , <b>2009</b> , 44, 1290-303	7.9	14
66	Topographic mapping of the pattern onset evoked magnetic response to stimulation of different portions of the visual field. <i>International Journal of Psychophysiology</i> , <b>1994</b> , 16, 175-83	2.9	14
65	Optically pumped magnetoencephalography in epilepsy. <i>Annals of Clinical and Translational Neurology</i> , <b>2020</b> , 7, 397-401	5.3	13
64	Estimation of functional connectivity from electromagnetic signals and the amount of empirical data required. <i>Neuroscience Letters</i> , <b>2012</b> , 513, 57-61	3.3	13
63	Anticipatory VOR suppression induced by visual and nonvisual stimuli in humans. <i>Journal of Neurophysiology</i> , <b>2004</b> , 92, 1501-11	3.2	13
62	Whole-Brain Neural Dynamics of Probabilistic Reward Prediction. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 3789-3798	6.7	12
61	Pragmatic spatial sampling for wearable MEG arrays. <i>Scientific Reports</i> , <b>2020</b> , 10, 21609	4.9	12
60	High-precision magnetoencephalography for reconstructing amygdalar and hippocampal oscillations during prediction of safety and threat. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 4114-4129	5.9	12
59	Resting state MEG oscillations show long-range temporal correlations of phase synchrony that break down during finger movement. <i>Frontiers in Physiology</i> , <b>2015</b> , 6, 183	4.6	12
58	Retinotopic mapping of the primary visual cortex - a challenge for MEG imaging of the human cortex. <i>European Journal of Neuroscience</i> , <b>2011</b> , 34, 652-61	3.5	12
57	The Role of Hippocampal-Ventromedial Prefrontal Cortex Neural Dynamics in Building Mental Representations. <i>Journal of Cognitive Neuroscience</i> , <b>2021</b> , 33, 89-103	3.1	12
56	Anticipatory eye movements evoked after active following versus passive observation of a predictable motion stimulus. <i>Brain Research</i> , <b>2008</b> , 1245, 74-81	3.7	11
55	Motor cortical beta transients delay movement initiation and track errors		11
54	Using OPMs to measure neural activity in standing, mobile participants. <i>NeuroImage</i> , <b>2021</b> , 244, 118604	7.9	10
53	A verifiable solution to the MEG inverse problem. <i>NeuroImage</i> , <b>2006</b> , 31, 623-6	7.9	9
52	How many positions can we perceptually encode, one or many?. <i>Vision Research</i> , <b>2003</b> , 43, 1575-87	2.1	9
51	Magnetoencephalographic Correlates of Perceptual State During Auditory Bistability. <i>Scientific Reports</i> , <b>2018</b> , 8, 976	4.9	8



50	Data-driven model optimization for optically pumped magnetometer sensor arrays. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 4357-4369	5.9	8
49	Does function fit structure? A ground truth for non-invasive neuroimaging. <i>NeuroImage</i> , <b>2014</b> , 94, 89-95	7.9	8
48	Abnormality of mismatch negativity in response to tone omission in dyslexic adults. <i>Brain Research</i> , <b>2006</b> , 1077, 90-8	3.7	8
47	Working Memory Replay Prioritizes Weakly Attended Events. <i>ENeuro</i> , <b>2017</b> , 4,	3.9	8
46	Estimates of cortical column orientation improve MEG source inversion. <i>NeuroImage</i> , <b>2020</b> , 216, 116862	7.9	7
45	Quantifying the performance of MEG source reconstruction using resting state data. <i>NeuroImage</i> , <b>2018</b> , 181, 453-460	7.9	7
44	Sustained Magnetic Responses in Temporal Cortex Reflect Instantaneous Significance of Approaching and Receding Sounds. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134060	3.7	7
43	Population level inference for multivariate MEG analysis. <i>PLoS ONE</i> , <b>2013</b> , 8, e71305	3.7	7
42	Non-linear Parameter Estimates from Non-stationary MEG Data. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 366	5.1	7
41	Modelling optically pumped magnetometer interference in MEG as a spatially homogeneous magnetic field. <i>NeuroImage</i> , <b>2021</b> , 244, 118484	7.9	7
40	Optimising beamformer regions of interest analysis. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 945-54	7.9	6
39	Magnetoencephalographic activity related to conscious perception is stable within individuals across years but not between individuals. <i>Journal of Cognitive Neuroscience</i> , <b>2014</b> , 26, 840-53	3.1	6
38	Magnetic Field Mapping and Correction for Moving OP-MEG. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , PP,	5	6
37	Between thought and expression, a magnetoencephalography study of the "tip-of-the-tongue" phenomenon. <i>Journal of Cognitive Neuroscience</i> , <b>2014</b> , 26, 2210-23	3.1	5
36	Reconstructing anatomy from electro-physiological data. <i>NeuroImage</i> , <b>2017</b> , 163, 480-486	7.9	5
35	Representation of probabilistic outcomes during risky decision-making. <i>Nature Communications</i> , <b>2020</b> , 11, 2419	17.4	4
34	A peak-clustering method for MEG group analysis to minimise artefacts due to smoothness. <i>PLoS ONE</i> , <b>2012</b> , 7, e45084	3.7	4
33	Cortical surface reconstruction based on MEG data and spherical harmonics. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 6449-52	0.9	4

32	Cortical spreading depression is neuroprotective: the challenge of basic sciences. <i>Headache</i> , <b>2005</b> , 45, 177-8; author reply 178	4.2	4
31	Gamma Frequency and the Spatial Tuning of Primary Visual Cortex. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157374	3.7	4
30	Updating Dynamic Noise Models With Moving Magnetoencephalographic (MEG) Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 10093-10102	3.5	3
29	Neuromagnetic effects of pico-Tesla stimulation. <i>Physiological Measurement</i> , <b>2015</b> , 36, 1901-12	2.9	3
28	The chronometry of risk processing in the human cortex. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 146	5.1	3
27	MEG evidence that the central auditory system simultaneously encodes multiple temporal cues. <i>European Journal of Neuroscience</i> , <b>2009</b> , 30, 1183-91	3.5	3
26	Random location of multiple sparse priors for solving the MEG/EEG inverse problem. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2012</b> , 2012, 1534-7	0.9	3
25	Neuromagnetic correlates of the fMRI BOLD response. <i>International Congress Series</i> , <b>2007</b> , 1300, 325-328		3
24	The spatial relationship between event-related changes in cortical synchrony, and the haemodynamic response: an MEG-fMRI study. <i>NeuroImage</i> , <b>2001</b> , 13, 71	7.9	3
23	Interference suppression techniques for OPM-based MEG: Opportunities and challenges.. <i>NeuroImage</i> , <b>2021</b> , 247, 118834	7.9	3
22	Laminar-specific cortical dynamics in human visual and sensorimotor cortices		3
21	Laminar dynamics of high amplitude beta bursts in human motor cortex. <i>NeuroImage</i> , <b>2021</b> , 242, 118479	7.9	3
20	Quantification of the relationship between magnetoencephalographic (MEG) and blood oxygenation dependent (BOLD) images of brain function		2
19	Can you tell your clunis from your cubitus? A benchmark for functional imaging. <i>BMJ, The</i> , <b>2004</b> , 329, 1492-3	5.9	2
18	Modelling optically pumped magnetometer interference as a mean (magnetic) field		2
17	Using optically-pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum		2
16	Estimates of cortical column orientation improve MEG source inversion		2
15	Non-invasive laminar inference with MEG: Comparison of methods and source inversion algorithms		2

14	Testing covariance models for MEG source reconstruction of hippocampal activity. <i>Scientific Reports</i> , <b>2021</b> , 11, 17615	4.9	2
13	Quantifying the performance of MEG source reconstruction using resting state data		1
12	The neural dynamics of novel scene imagery		1
11	Pragmatic spatial sampling for wearable MEG arrays		1
10	Mouth magnetoencephalography: A unique perspective on the human hippocampus		1
9	The Effect of Object Type on Building Scene Imagery-an MEG Study. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 592175	3.3	1
8	Testing covariance models for MEG source reconstruction of hippocampal activity		1
7	Magnetic Field Mapping and Correction for Moving OP-MEG		1
6	Laminar dynamics of beta bursts in human motor cortex		1
5	Set-level threshold-free tests on the intrinsic volumes of SPMs. <i>NeuroImage</i> , <b>2013</b> , 68, 133-40	7.9	0
4	Spherical harmonic based noise rejection and neuronal sampling with multi-axis OPMs. <i>NeuroImage</i> , <b>2022</b> , 258, 119338	7.9	0
3	Reply to "Clinical practice guidelines or clinical research guidelines?". <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 2056-2057	4.3	
2	Cortical Spreading Depression Is Neuroprotective: The Challenge of Basic Sciences Response. <i>Headache</i> , <b>2005</b> , 45, 178-178	4.2	
1	MEG and Complex Systems <b>2007</b> , 375-382		