

# Gareth R Barnes

## List of Publications by Year in Descending Order

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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	Spherical harmonic based noise rejection and neuronal sampling with multi-axis OPMs. <i>NeuroImage</i> , <b>2022</b> , 258, 119338	7.9	0
174	Interference suppression techniques for OPM-based MEG: Opportunities and challenges.. <i>NeuroImage</i> , <b>2021</b> , 247, 118834	7.9	3
173	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
172	Mouth magnetoencephalography: A unique perspective on the human hippocampus. <i>NeuroImage</i> , <b>2021</b> , 225, 117443	7.9	16
171	Testing covariance models for MEG source reconstruction of hippocampal activity. <i>Scientific Reports</i> , <b>2021</b> , 11, 17615	4.9	2
170	Laminar dynamics of high amplitude beta bursts in human motor cortex. <i>NeuroImage</i> , <b>2021</b> , 242, 118479	7.9	3
169	Using OPMs to measure neural activity in standing, mobile participants. <i>NeuroImage</i> , <b>2021</b> , 244, 118604	7.9	10
168	Modelling optically pumped magnetometer interference in MEG as a spatially homogeneous magnetic field. <i>NeuroImage</i> , <b>2021</b> , 244, 118484	7.9	7
167	Magnetic Field Mapping and Correction for Moving OP-MEG. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , PP,	5	6
166	Pragmatic spatial sampling for wearable MEG arrays. <i>Scientific Reports</i> , <b>2020</b> , 10, 21609	4.9	12
165	Representation of probabilistic outcomes during risky decision-making. <i>Nature Communications</i> , <b>2020</b> , 11, 2419	17.4	4
164	vmPFC Drives Hippocampal Processing during Autobiographical Memory Recall Regardless of Remoteness. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 5972-5987	5.1	37
163	Optically pumped magnetoencephalography in epilepsy. <i>Annals of Clinical and Translational Neurology</i> , <b>2020</b> , 7, 397-401	5.3	13
162	Estimates of cortical column orientation improve MEG source inversion. <i>NeuroImage</i> , <b>2020</b> , 216, 116862	7.9	7
161	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
160	Imaging the human hippocampus with optically-pumped magnetoencephalography. <i>NeuroImage</i> , <b>2019</b> , 203, 116192	7.9	29
159	Human motor cortical beta bursts relate to movement planning and response errors. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000479	9.7	59

158	Optically pumped magnetometers: From quantum origins to multi-channel magnetoencephalography. <i>NeuroImage</i> , <b>2019</b> , 199, 598-608	7.9	75
157	Towards OPM-MEG in a virtual reality environment. <i>NeuroImage</i> , <b>2019</b> , 199, 408-417	7.9	43
156	Updating Dynamic Noise Models With Moving Magnetoencephalographic (MEG) Systems. <i>IEEE Access</i> , <b>2019</b> , 7, 10093-10102	3.5	3
155	The Neural Dynamics of Novel Scene Imagery. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 4375-4386	6.6	47
154	Neural Competitive Queuing of Ordinal Structure Underlies Skilled Sequential Action. <i>Neuron</i> , <b>2019</b> , 101, 1166-1180.e3	13.9	19
153	Wearable neuroimaging: Combining and contrasting magnetoencephalography and electroencephalography. <i>NeuroImage</i> , <b>2019</b> , 201, 116099	7.9	41
152	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
151	Data-driven model optimization for optically pumped magnetometer sensor arrays. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 4357-4369	5.9	8
150	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
149	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
148	A tool for functional brain imaging with lifespan compliance. <i>Nature Communications</i> , <b>2019</b> , 10, 4785	17.4	41
147	IFCN-endorsed practical guidelines for clinical magnetoencephalography (MEG). <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 1720-1747	4.3	75
146	Magnetoencephalographic Correlates of Perceptual State During Auditory Bistability. <i>Scientific Reports</i> , <b>2018</b> , 8, 976	4.9	8
145	Moving magnetoencephalography towards real-world applications with a wearable system. <i>Nature</i> , <b>2018</b> , 555, 657-661	50.4	458
144	Cognitive neuroscience using wearable magnetometer arrays: Non-invasive assessment of language function. <i>NeuroImage</i> , <b>2018</b> , 181, 513-520	7.9	33
143	Reply to "Clinical practice guidelines or clinical research guidelines?". <i>Clinical Neurophysiology</i> , <b>2018</b> , 129, 2056-2057	4.3	
142	Quantifying the performance of MEG source reconstruction using resting state data. <i>NeuroImage</i> , <b>2018</b> , 181, 453-460	7.9	7
141	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

140	Lamina-specific cortical dynamics in human visual and sensorimotor cortices. <i>ELife</i> , <b>2018</b> , 7,	8.9	26
139	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
138	A new generation of magnetoencephalography: Room temperature measurements using optically-pumped magnetometers. <i>NeuroImage</i> , <b>2017</b> , 149, 404-414	7.9	201
137	Whole-Brain Neural Dynamics of Probabilistic Reward Prediction. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 3789-3798	6.7	12
136	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
135	Using generative models to make probabilistic statements about hippocampal engagement in MEG. <i>NeuroImage</i> , <b>2017</b> , 149, 468-482	7.9	33
134	Reconstructing anatomy from electro-physiological data. <i>NeuroImage</i> , <b>2017</b> , 163, 480-486	7.9	5
133	Flexible head-casts for high spatial precision MEG. <i>Journal of Neuroscience Methods</i> , <b>2017</b> , 276, 38-45	3	48
132	Working Memory Replay Prioritizes Weakly Attended Events. <i>ENeuro</i> , <b>2017</b> , 4,	3.9	8
131	Gamma Frequency and the Spatial Tuning of Primary Visual Cortex. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157374	3.7	4
130	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
129	Non-linear Parameter Estimates from Non-stationary MEG Data. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 366	5.1	7
128	Ventromedial prefrontal cortex drives hippocampal theta oscillations induced by mismatch computations. <i>NeuroImage</i> , <b>2015</b> , 120, 362-70	7.9	37
127	Dynamic recruitment of resting state sub-networks. <i>NeuroImage</i> , <b>2015</b> , 115, 85-95	7.9	58
126	Neuromagnetic effects of pico-Tesla stimulation. <i>Physiological Measurement</i> , <b>2015</b> , 36, 1901-12	2.9	3
125	Structure predicts function: combining non-invasive electrophysiology with in-vivo histology. <i>NeuroImage</i> , <b>2015</b> , 108, 377-85	7.9	19
124	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
123	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

122	The Frontal Control of Stopping. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 4392-406	5.1	35
121	Temporal structure in associative retrieval. <i>ELife</i> , <b>2015</b> , 4,	8.9	43
120	Algorithmic procedures for Bayesian MEG/EEG source reconstruction in SPM. <i>NeuroImage</i> , <b>2014</b> , 84, 476-87	7.9	93
119	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
118	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
117	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
116	Does function fit structure? A ground truth for non-invasive neuroimaging. <i>NeuroImage</i> , <b>2014</b> , 94, 89-95	7.9	8
115	High precision anatomy for MEG. <i>NeuroImage</i> , <b>2014</b> , 86, 583-91	7.9	67
114	A brain basis for musical hallucinations. <i>Cortex</i> , <b>2014</b> , 52, 86-97	3.8	51
113	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
112	Discrimination of cortical laminae using MEG. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 885-93	7.9	54
111	Optimising beamformer regions of interest analysis. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 945-54	7.9	6
110	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
109	Medial prefrontal theta phase coupling during spatial memory retrieval. <i>Hippocampus</i> , <b>2014</b> , 24, 656-65	3.5	70
108	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
107	Measuring temporal, spectral and spatial changes in electrophysiological brain network connectivity. <i>NeuroImage</i> , <b>2014</b> , 91, 282-99	7.9	90
106	Dynamic state allocation for MEG source reconstruction. <i>NeuroImage</i> , <b>2013</b> , 77, 77-92	7.9	47
105	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

104	Set-level threshold-free tests on the intrinsic volumes of SPMs. <i>NeuroImage</i> , <b>2013</b> , 68, 133-40	7.9	0
103	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
102	Good practice for conducting and reporting MEG research. <i>NeuroImage</i> , <b>2013</b> , 65, 349-63	7.9	412
101	Dynamic causal modelling of lateral interactions in the visual cortex. <i>NeuroImage</i> , <b>2013</b> , 66, 563-76	7.9	44
100	Reading therapy strengthens top-down connectivity in patients with pure alexia. <i>Brain</i> , <b>2013</b> , 136, 2579-91.2	9.2	39
99	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
98	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
97	Population level inference for multivariate MEG analysis. <i>PLoS ONE</i> , <b>2013</b> , 8, e71305	3.7	7
96	The chronometry of risk processing in the human cortex. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 146	5.1	3
95	Functional evidence for a dual route to amygdala. <i>Current Biology</i> , <b>2012</b> , 22, 129-34	6.3	68
94	Changes in the location of cortico-muscular coherence following stroke. <i>NeuroImage: Clinical</i> , <b>2012</b> , 2, 50-5	5.3	42
93	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
92	Gamma band pitch responses in human auditory cortex measured with magnetoencephalography. <i>NeuroImage</i> , <b>2012</b> , 59, 1904-11	7.9	29
91	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
90	A general Bayesian treatment for MEG source reconstruction incorporating lead field uncertainty. <i>NeuroImage</i> , <b>2012</b> , 60, 1194-204	7.9	27
89	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
88	Movement-related theta rhythm in humans: coordinating self-directed hippocampal learning. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001267	9.7	94
87	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

86	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
85	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
84	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
83	Single-subject oscillatory responses in tinnitus. <i>Brain</i> , <b>2012</b> , 135, 3089-100	11.2	60
82	Source reconstruction accuracy of MEG and EEG Bayesian inversion approaches. <i>PLoS ONE</i> , <b>2012</b> , 7, e51985	3.7	64
81	Measuring functional connectivity using MEG: methodology and comparison with fMRI. <i>NeuroImage</i> , <b>2011</b> , 56, 1082-104	7.9	326
80	Controlling false positive rates in mass-multivariate tests for electromagnetic responses. <i>NeuroImage</i> , <b>2011</b> , 56, 1072-81	7.9	18
79	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
78	MEG beamforming using Bayesian PCA for adaptive data covariance matrix regularization. <i>NeuroImage</i> , <b>2011</b> , 57, 1466-79	7.9	88
77	Practical constraints on estimation of source extent with MEG beamformers. <i>NeuroImage</i> , <b>2011</b> , 54, 2732-40	7.9	51
76	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
75	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
74	EEG and MEG data analysis in SPM8. <i>Computational Intelligence and Neuroscience</i> , <b>2011</b> , 2011, 852961	3	398
73	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
72	Decreased gray matter concentration in the lateral geniculate nuclei in human amblyopes <b>2010</b> , 51, 1432-8		69
71	Investigating spatial specificity and data averaging in MEG. <i>NeuroImage</i> , <b>2010</b> , 49, 525-38	7.9	38
70	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
69	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

68	Identifying spatially overlapping local cortical networks with MEG. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 1003-1016	5.16	24
67	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
66	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
65	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
64	Can we observe collective neuronal activity from macroscopic aggregate signals?. <i>NeuroImage</i> , <b>2009</b> , 44, 1290-303	7.9	14
63	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
62	Optimising experimental design for MEG beamformer imaging. <i>NeuroImage</i> , <b>2008</b> , 39, 1788-802	7.9	175
61	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
60	Functional source separation applied to induced visual gamma activity. <i>Human Brain Mapping</i> , <b>2008</b> , 29, 131-41	5.9	22
59	Neuromagnetic correlates of the fMRI BOLD response. <i>International Congress Series</i> , <b>2007</b> , 1300, 325-328		3
58	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
57	Beamformer reconstruction of correlated sources using a modified source model. <i>NeuroImage</i> , <b>2007</b> , 34, 1454-65	7.9	116
56	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
55	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
54	MEG and Complex Systems <b>2007</b> , 375-382		
53	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
52	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
51	Quantitative differences in smooth pursuit and saccadic eye movements. <i>Experimental Brain Research</i> , <b>2006</b> , 175, 596-608	2.3	17



50	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
49	A verifiable solution to the MEG inverse problem. <i>NeuroImage</i> , <b>2006</b> , 31, 623-6	7.9	9
48	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
47	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
46	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
45	The missing link: analogous human and primate cortical gamma oscillations. <i>NeuroImage</i> , <b>2005</b> , 26, 13-7	7.9	105
44	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
43	Imaging the dynamics of the auditory steady-state evoked response. <i>Neuroscience Letters</i> , <b>2005</b> , 385, 195-7	3.3	16
42	Real-time imaging of human cortical activity evoked by painful esophageal stimulation. <i>Gastroenterology</i> , <b>2005</b> , 128, 610-9	13.3	78
41	Attention and selection for predictive smooth pursuit eye movements. <i>Cognitive Brain Research</i> , <b>2005</b> , 25, 688-700		16
40	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
39	Cortical Spreading Depression Is Neuroprotective: The Challenge of Basic Sciences—A Response. <i>Headache</i> , <b>2005</b> , 45, 178-178	4.2	
38	A new approach to neuroimaging with magnetoencephalography. <i>Human Brain Mapping</i> , <b>2005</b> , 25, 199-210	5.0	382
37	Predicting the duration of ocular pursuit in humans. <i>Experimental Brain Research</i> , <b>2005</b> , 160, 10-21	2.3	21
36	Beamformer analysis of MEG data. <i>International Review of Neurobiology</i> , <b>2005</b> , 68, 149-71	4.4	170
35	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
34	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
33	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

32	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
31	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
30	Realistic spatial sampling for MEG beamformer images. <i>Human Brain Mapping</i> , <b>2004</b> , 23, 120-7	5.9	79
29	Visual word recognition: the first half second. <i>NeuroImage</i> , <b>2004</b> , 22, 1819-25	7.9	145
28	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
27	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
26	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
25	A general linear model for MEG beamformer imaging. <i>NeuroImage</i> , <b>2004</b> , 23, 936-46	7.9	38
24	Statistical flattening of MEG beamformer images. <i>Human Brain Mapping</i> , <b>2003</b> , 18, 1-12	5.9	150
23	Accuracy and applications of group MEG studies using cortical source locations estimated from participants's scalp surfaces. <i>Human Brain Mapping</i> , <b>2003</b> , 20, 142-7	5.9	25
22	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
21	How many positions can we perceptually encode, one or many?. <i>Vision Research</i> , <b>2003</b> , 43, 1575-87	2.1	9
20	The use of anatomical constraints with MEG beamformers. <i>NeuroImage</i> , <b>2003</b> , 20, 2302-13	7.9	92
19	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
18	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
17	The cortical deficit in humans with strabismic amblyopia. <i>Journal of Physiology</i> , <b>2001</b> , 533, 281-97	3.9	176
16	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
15	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

14	Quantification of the relationship between magnetoencephalographic (MEG) and blood oxygenation dependent (BOLD) images of brain function	2
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