

# Jonathan R Polimeni

## 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.

142  
papers

13,210  
citations

43  
h-index

114  
g-index

164  
ext. papers

18,165  
ext. citations

6.4  
avg, IF

6.35  
L-index

#	Paper	IF	Citations
142	Effect of vascular amyloid on white matter disease is mediated by vascular dysfunction in cerebral amyloid angiopathy.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2022</b> , 271678X221076571	7.3	1
141	Comprehensive diffusion MRI dataset for in vivo human brain microstructure mapping using 300 mT/m gradients.. <i>Scientific Data</i> , <b>2022</b> , 9, 7	8.2	1
140	A 31-channel integrated "AC/DC" B shim and radiofrequency receive array coil for improved 7T MRI. <i>Magnetic Resonance in Medicine</i> , <b>2022</b> , 87, 1074-1092	4.4	1
139	SDnDTI: Self-supervised deep learning-based denoising for diffusion tensor MRI.. <i>NeuroImage</i> , <b>2022</b> , 119033	7.9	0
138	Imaging of the pial arterial vasculature of the human brain using high-resolution 7T time-of-flight angiography.. <i>ELife</i> , <b>2022</b> , 11,	8.9	2
137	7T Epilepsy Task Force Consensus Recommendations on the Use of 7T MRI in Clinical Practice. <i>Neurology</i> , <b>2021</b> , 96, 327-341	6.5	16
136	Neuroscience applications of ultra-high-field magnetic resonance imaging: mesoscale functional imaging of the human brain. <i>Advances in Magnetic Resonance Technology and Applications</i> , <b>2021</b> , 4, 573-588	6.1	0
135	The Global Configuration of Visual Stimuli Alters Co-Fluctuations of Cross-Hemispheric Human Brain Activity. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 9756-9766	6.6	0
134	Investigating mechanisms of fast BOLD responses: The effects of stimulus intensity and of spatial heterogeneity of hemodynamics. <i>NeuroImage</i> , <b>2021</b> , 245, 118658	7.9	0
133	Simultaneous pure T and varying T'-weighted BOLD fMRI using Echo Planar Time-resolved Imaging for mapping cortical-depth dependent responses. <i>NeuroImage</i> , <b>2021</b> , 245, 118641	7.9	2
132	Efficient whole-brain tract-specific T mapping at 3T with slice-shuffled inversion-recovery diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 738-753	4.4	1
131	In vivo human whole-brain Connectom diffusion MRI dataset at 760 $\mu$ m isotropic resolution. <i>Scientific Data</i> , <b>2021</b> , 8, 122	8.2	8
130	Improved cortical surface reconstruction using sub-millimeter resolution MPRAGE by image denoising. <i>NeuroImage</i> , <b>2021</b> , 233, 117946	7.9	3
129	A Suite of Neurophotonic Tools to Underpin the Contribution of Internal Brain States in fMRI. <i>Current Opinion in Biomedical Engineering</i> , <b>2021</b> , 18, 100273-100273	4.4	0
128	Probing in vivo cortical myeloarchitecture in humans via line-scan diffusion acquisitions at 7 T with 250-500 micron radial resolution. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 390-403	4.4	3
127	Ultra-high spatial resolution BOLD fMRI in humans using combined segmented-accelerated VFA-FLEET with a recursive RF pulse design. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 120-139	4.4	7
126	Dynamic distortion correction for functional MRI using FID navigators. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 1294-1307	4.4	6

125	Improving in vivo human cerebral cortical surface reconstruction using data-driven super-resolution. <i>Cerebral Cortex</i> , <b>2021</b> , 31, 463-482	5.1	11
124	Ground-truth "resting-state" signal provides data-driven estimation and correction for scanner distortion of fMRI time-series dynamics. <i>NeuroImage</i> , <b>2021</b> , 227, 117584	7.9	0
123	Lacunae, Microinfarcts, and Vascular Dysfunction in Cerebral Amyloid Angiopathy. <i>Neurology</i> , <b>2021</b> , 96, e1646-e1654	6.5	2
122	Altered Blood Flow in the Ophthalmic and Internal Carotid Arteries in Patients with Age-Related Macular Degeneration Measured Using Noncontrast MR Angiography at 7T. <i>American Journal of Neuroradiology</i> , <b>2021</b> , 42, 1653-1660	4.4	2
121	High-resolution fMRI at 7 Tesla: challenges, promises and recent developments for individual-focused fMRI studies. <i>Current Opinion in Behavioral Sciences</i> , <b>2021</b> , 40, 96-104	4	4
120	Imaging faster neural dynamics with fast fMRI: A need for updated models of the hemodynamic response. <i>Progress in Neurobiology</i> , <b>2021</b> , 102174	10.9	4
119	DeepDTI: High-fidelity six-direction diffusion tensor imaging using deep learning. <i>NeuroImage</i> , <b>2020</b> , 219, 117017	7.9	27
118	Resting-state "physiological networks". <i>NeuroImage</i> , <b>2020</b> , 213, 116707	7.9	52
117	Eye-selective fMRI activity in human primary visual cortex: Comparison between 3T and 9.4T, and effects across cortical depth. <i>NeuroImage</i> , <b>2020</b> , 220, 117078	7.9	2
116	In vivo functional localization of the temporal monocular crescent representation in human primary visual cortex. <i>NeuroImage</i> , <b>2020</b> , 209, 116516	7.9	1
115	Impact of prospective motion correction, distortion correction methods and large vein bias on the spatial accuracy of cortical laminar fMRI at 9.4 Tesla. <i>NeuroImage</i> , <b>2020</b> , 208, 116434	7.9	13
114	Accelerated spin-echo functional MRI using multisection excitation by simultaneous spin-echo interleaving (MESSI) with complex-encoded generalized slice dithered enhanced resolution (cgSlider) simultaneous multislice echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 206-220	4.4	5
113	Advanced Neuroimaging to Unravel Mechanisms of Cerebral Small Vessel Diseases. <i>Stroke</i> , <b>2020</b> , 51, 29-37	6.7	7
112	Two-photon microscopic imaging of capillary red blood cell flux in mouse brain reveals vulnerability of cerebral white matter to hypoperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2020</b> , 40, 501-512	7.3	14
111	7 Tesla MRI of the ex vivo human brain at 100 micron resolution. <i>Scientific Data</i> , <b>2019</b> , 6, 244	8.2	82
110	Dependence of the MR signal on the magnetic susceptibility of blood studied with models based on real microvascular networks. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 3865-3874	4.4	7
109	Intracortical smoothing of small-voxel fMRI data can provide increased detection power without spatial resolution losses compared to conventional large-voxel fMRI data. <i>NeuroImage</i> , <b>2019</b> , 189, 601-614	7.9	16
108	Echo planar time-resolved imaging (EPTI). <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 3599-3615	4.4	30

107	Immunotherapy with ponezumab for probable cerebral amyloid angiopathy. <i>Annals of Clinical and Translational Neurology</i> , <b>2019</b> , 6, 795-806	5.3	30
106	Highly accelerated multishot echo planar imaging through synergistic machine learning and joint reconstruction. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 1343-1358	4.4	17
105	Dependence of resting-state fMRI fluctuation amplitudes on cerebral cortical orientation relative to the direction of B0 and anatomical axes. <i>NeuroImage</i> , <b>2019</b> , 196, 337-350	7.9	13
104	Teaching NeuroImages: In vivo visualization of Edinger comb and Wilson pencils. <i>Neurology</i> , <b>2019</b> , 92, e1663-e1664	6.5	10
103	On the analysis of rapidly sampled fMRI data. <i>NeuroImage</i> , <b>2019</b> , 188, 807-820	7.9	33
102	Parallel distributed networks resolved at high resolution reveal close juxtaposition of distinct regions. <i>Journal of Neurophysiology</i> , <b>2019</b> , 121, 1513-1534	3.2	64
101	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , <b>2019</b> , 202, 116091	7.9	184
100	In vivo measurements of irreversible and reversible transverse relaxation rates in human basal ganglia at 7T: making inferences about the microscopic and mesoscopic structure of iron and calcification deposits. <i>NMR in Biomedicine</i> , <b>2019</b> , 32, e4140	4.4	1
99	Coupled electrophysiological, hemodynamic, and cerebrospinal fluid oscillations in human sleep. <i>Science</i> , <b>2019</b> , 366, 628-631	33.3	265
98	The influence of respiration on brainstem and cardiovagal response to auricular vagus nerve stimulation: A multimodal ultrahigh-field (7T) fMRI study. <i>Brain Stimulation</i> , <b>2019</b> , 12, 911-921	5.1	44
97	Ultra-Slow Single-Vessel BOLD and CBV-Based fMRI Spatiotemporal Dynamics and Their Correlation with Neuronal Intracellular Calcium Signals. <i>Neuron</i> , <b>2018</b> , 97, 925-939.e5	13.9	66
96	Characterizing Signals Within Lesions and Mapping Brain Network Connectivity After Traumatic Axonal Injury: A 7 Tesla Resting-State FMRI Study. <i>Brain Connectivity</i> , <b>2018</b> , 8, 288-298	2.7	6
95	Dual-polarity slice-GRAPPA for concurrent ghost correction and slice separation in simultaneous multi-slice EPI. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1364-1375	4.4	11
94	The Adolescent Brain Cognitive Development (ABCD) study: Imaging acquisition across 21 sites. <i>Developmental Cognitive Neuroscience</i> , <b>2018</b> , 32, 43-54	5.5	557
93	Analysis strategies for high-resolution UHF-fMRI data. <i>NeuroImage</i> , <b>2018</b> , 168, 296-320	7.9	54
92	Relative latency and temporal variability of hemodynamic responses at the human primary visual cortex. <i>NeuroImage</i> , <b>2018</b> , 164, 194-201	7.9	14
91	Challenges and opportunities for brainstem neuroimaging with ultrahigh field MRI. <i>NeuroImage</i> , <b>2018</b> , 168, 412-426	7.9	76
90	Advantages of cortical surface reconstruction using submillimeter 7T MEMPRAGE. <i>NeuroImage</i> , <b>2018</b> , 165, 11-26	7.9	42

89	Optimized inversion-time schedules for quantitative T measurements based on high-resolution multi-inversion EPI. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 2101-2112	4.4	10
88	Magnetic Resonance Imaging technology-bridging the gap between noninvasive human imaging and optical microscopy. <i>Current Opinion in Neurobiology</i> , <b>2018</b> , 50, 250-260	7.6	13
87	Stimulus-dependent hemodynamic response timing across the human subcortical-cortical visual pathway identified through high spatiotemporal resolution 7T fMRI. <i>NeuroImage</i> , <b>2018</b> , 181, 279-291	7.9	25
86	High b-value and high Resolution Integrated Diffusion (HIBRID) imaging. <i>NeuroImage</i> , <b>2017</b> , 150, 162-176	7.9	21
85	Reduction of across-run variability of temporal SNR in accelerated EPI time-series data through FLEET-based robust autocalibration. <i>NeuroImage</i> , <b>2017</b> , 152, 348-359	7.9	8
84	Impacting the effect of fMRI noise through hardware and acquisition choices - Implications for controlling false positive rates. <i>NeuroImage</i> , <b>2017</b> , 154, 15-22	7.9	23
83	Functional density and edge maps: Characterizing functional architecture in individuals and improving cross-subject registration. <i>NeuroImage</i> , <b>2017</b> , 158, 346-355	7.9	21
82	MGH-USC Human Connectome Project datasets with ultra-high b-value diffusion MRI. <i>NeuroImage</i> , <b>2016</b> , 124, 1108-1114	7.9	144
81	Rapid multi-orientation quantitative susceptibility mapping. <i>NeuroImage</i> , <b>2016</b> , 125, 1131-1141	7.9	38
80	Automatic cortical surface reconstruction of high-resolution T1 echo planar imaging data. <i>NeuroImage</i> , <b>2016</b> , 134, 338-354	7.9	43
79	Dual-polarity GRAPPA for simultaneous reconstruction and ghost correction of echo planar imaging data. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 32-44	4.4	26
78	Interdigitated Color- and Disparity-Selective Columns within Human Visual Cortical Areas V2 and V3. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 1841-57	6.6	88
77	Coil-to-coil physiological noise correlations and their impact on functional MRI time-series signal-to-noise ratio. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 1708-1719	4.4	17
76	Rapid brain MRI acquisition techniques at ultra-high fields. <i>NMR in Biomedicine</i> , <b>2016</b> , 29, 1198-221	4.4	65
75	The pulsatility volume index: an indicator of cerebrovascular compliance based on fast magnetic resonance imaging of cardiac and respiratory pulsatility. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	12
74	Neuroimaging brainstem circuitry supporting cardiovagal response to pain: a combined heart rate variability/ultra-high-field (7 T) functional magnetic resonance imaging study. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	27
73	In vivo functional connectome of human brainstem nuclei of the ascending arousal, autonomic, and motor systems by high spatial resolution 7-Tesla fMRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2016</b> , 29, 451-62	2.8	33
72	Cortical atrophy in patients with cerebral amyloid angiopathy: a case-control study. <i>Lancet Neurology</i> , <b>2016</b> , 15, 811-819	24.1	74

71	Intracortical depth analyses of frequency-sensitive regions of human auditory cortex using 7TfMRI. <i>NeuroImage</i> , <b>2016</b> , 143, 116-127	7.9	25
70	Fast fMRI can detect oscillatory neural activity in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E6679-E6685	11.5	91
69	A 32-channel combined RF and B0 shim array for 3T brain imaging. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 441-51	4.4	77
68	Reducing sensitivity losses due to respiration and motion in accelerated echo planar imaging by reordering the autocalibration data acquisition. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 665-79	4.4	83
67	Quantifying the microvascular origin of BOLD-fMRI from first principles with two-photon microscopy and an oxygen-sensitive nanoprobe. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 3663-75	6.6	142
66	Toward an In Vivo Neuroimaging Template of Human Brainstem Nuclei of the Ascending Arousal, Autonomic, and Motor Systems. <i>Brain Connectivity</i> , <b>2015</b> , 5, 597-607	2.7	39
65	An anatomically realistic temperature phantom for radiofrequency heating measurements. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 442-50	4.4	33
64	Associations of resting-state fMRI functional connectivity with flow-BOLD coupling and regional vasculature. <i>Brain Connectivity</i> , <b>2015</b> , 5, 137-46	2.7	43
63	Wave-CAIPI for highly accelerated 3D imaging. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 2152-62	4.4	120
62	Dynamic and static contributions of the cerebrovasculature to the resting-state BOLD signal. <i>NeuroImage</i> , <b>2014</b> , 84, 672-80	7.9	40
61	Dynamic functional imaging of brain glucose utilization using fPET-FDG. <i>NeuroImage</i> , <b>2014</b> , 100, 192-9	7.9	78
60	Quantitative comparison of cortical surface reconstructions from MP2RAGE and multi-echo MPRAGE data at 3 and 7 T. <i>NeuroImage</i> , <b>2014</b> , 90, 60-73	7.9	63
59	A study-specific fMRI normalization approach that operates directly on high resolution functional EPI data at 7 Tesla. <i>NeuroImage</i> , <b>2014</b> , 100, 710-4	7.9	16
58	Fast quantitative susceptibility mapping with L1-regularization and automatic parameter selection. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 72, 1444-59	4.4	93
57	Investigating the capability to resolve complex white matter structures with high b-value diffusion magnetic resonance imaging on the MGH-USC Connectom scanner. <i>Brain Connectivity</i> , <b>2014</b> , 4, 718-26	2.7	36
56	Nineteen-channel receive array and four-channel transmit array coil for cervical spinal cord imaging at 7T. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 72, 291-300	4.4	42
55	Interslice leakage artifact reduction technique for simultaneous multislice acquisitions. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 72, 93-102	4.4	162
54	Underpinning the microvascular origin of BOLD-fMRI with two-photon microscopy <b>2014</b> ,		1

53	Surface based analysis of diffusion orientation for identifying architectonic domains in the in vivo human cortex. <i>NeuroImage</i> , <b>2013</b> , 69, 87-100	7.9	100
52	Sparsity-promoting calibration for GRAPPA accelerated parallel MRI reconstruction. <i>IEEE Transactions on Medical Imaging</i> , <b>2013</b> , 32, 1325-35	11.7	51
51	fMRI hemodynamics accurately reflects neuronal timing in the human brain measured by MEG. <i>NeuroImage</i> , <b>2013</b> , 78, 372-84	7.9	24
50	Whole-head rapid fMRI acquisition using echo-shifted magnetic resonance inverse imaging. <i>NeuroImage</i> , <b>2013</b> , 78, 325-38	7.9	22
49	FOCUSR: feature oriented correspondence using spectral regularization--a method for precise surface matching. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2013</b> , 35, 2143-60	13.3	53
48	The minimal preprocessing pipelines for the Human Connectome Project. <i>NeuroImage</i> , <b>2013</b> , 80, 105-24	7.9	2298
47	Accelerated parallel magnetic resonance imaging reconstruction using joint estimation with a sparse signal model <b>2012</b> ,		2
46	T <sub>2</sub> mapping and B <sub>1</sub> orientation-dependence at 7 T reveal cyto- and myeloarchitecture organization of the human cortex. <i>NeuroImage</i> , <b>2012</b> , 60, 1006-14	7.9	111
45	An implanted 8-channel array coil for high-resolution macaque MRI at 3T. <i>NeuroImage</i> , <b>2012</b> , 62, 1529-36	7.9	38
44	Blipped-controlled aliasing in parallel imaging for simultaneous multislice echo planar imaging with reduced g-factor penalty. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 67, 1210-24	4.4	846
43	Denoising sparse images from GRAPPA using the nullspace method. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 68, 1176-89	4.4	17
42	Physiological noise reduction using volumetric functional magnetic resonance inverse imaging. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 2815-30	5.9	23
41	Functional magnetic resonance imaging detection of vascular reactivity in cerebral amyloid angiopathy. <i>Annals of Neurology</i> , <b>2012</b> , 72, 76-81	9.4	124
40	Physiological noise and signal-to-noise ratio in fMRI with multi-channel array coils. <i>NeuroImage</i> , <b>2011</b> , 55, 597-606	7.9	131
39	Regularizing GRAPPA using simultaneous sparsity to recover de-noised images <b>2011</b> ,		2
38	32-channel RF coil optimized for brain and cervical spinal cord at 3 T. <i>Magnetic Resonance in Medicine</i> , <b>2011</b> , 66, 1198-208	4.4	38
37	Combined compressed sensing and parallel mri compared for uniform and random cartesian undersampling of K-space <b>2011</b> ,		3
36	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , <b>2011</b> , 106, 1125-65	3.2	3997

35	Evaluating sparsity penalty functions for combined compressed sensing and parallel MRI <b>2011</b> ,		2
34	Atlas-based segmentation for globus pallidus internus targeting on low-resolution MRI. <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>2011</b> , 2011, 5706-9	0.9	
33	Fast brain matching with spectral correspondence. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 22, 660-73	0.9	14
32	Near-isometric flattening of brain surfaces. <i>NeuroImage</i> , <b>2010</b> , 51, 694-703	7.9	10
31	Laminar analysis of 7T BOLD using an imposed spatial activation pattern in human V1. <i>NeuroImage</i> , <b>2010</b> , 52, 1334-46	7.9	286
30	Discrete Calculus <b>2010</b> ,		134
29	Performance evaluation of a 32-element head array with respect to the ultimate intrinsic SNR. <i>NMR in Biomedicine</i> , <b>2010</b> , 23, 142-51	4.4	41
28	T2-weighted 3D fMRI using S2-SSFP at 7 tesla. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 63, 1015-20	4.4	34
27	Filtering on Graphs <b>2010</b> , 155-197		1
26	Discrete Calculus: History and Future <b>2010</b> , 1-9		
25	Manifold Learning and Ranking <b>2010</b> , 243-266		
24	Introduction to Discrete Calculus <b>2010</b> , 13-89		1
23	Measuring Networks <b>2010</b> , 267-289		
22	Building a Weighted Complex from Data <b>2010</b> , 125-154		
21	Circuit Theory and Other Discrete Physical Models <b>2010</b> , 91-122		
20	Clustering and Segmentation <b>2010</b> , 199-242		
19	96-Channel receive-only head coil for 3 Tesla: design optimization and evaluation. <i>Magnetic Resonance in Medicine</i> , <b>2009</b> , 62, 754-62	4.4	211
18	Locating the functional and anatomical boundaries of human primary visual cortex. <i>NeuroImage</i> , <b>2009</b> , 46, 915-22	7.9	83



17	Predicting the location of entorhinal cortex from MRI. <i>NeuroImage</i> , <b>2009</b> , 47, 8-17	7.9	78
16	Exact geodesics and shortest paths on polyhedral surfaces. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2009</b> , 31, 1006-16	13.3	22
15	Accurate prediction of V1 location from cortical folds in a surface coordinate system. <i>NeuroImage</i> , <b>2008</b> , 39, 1585-99	7.9	179
14	Event-related single-shot volumetric functional magnetic resonance inverse imaging of visual processing. <i>NeuroImage</i> , <b>2008</b> , 42, 230-47	7.9	43
13	The intrinsic shape of human and macaque primary visual cortex. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 2586-95	5.1	31
12	A 128-channel receive-only cardiac coil for highly accelerated cardiac MRI at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , <b>2008</b> , 59, 1431-9	4.4	120
11	Slice-selective RF pulses for in vivo B1+ inhomogeneity mitigation at 7 tesla using parallel RF excitation with a 16-element coil. <i>Magnetic Resonance in Medicine</i> , <b>2008</b> , 60, 1422-32	4.4	122
10	Multi-area visuotopic map complexes in macaque striate and extra-striate cortex. <i>Vision Research</i> , <b>2006</b> , 46, 3336-59	2.1	55
9	Physical limits to spatial resolution of optical recording: clarifying the spatial structure of cortical hypercolumns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 4158-63	11.5	57
8	The V1 -V2-V3 complex: quasiconformal dipole maps in primate striate and extra-striate cortex. <i>Neural Networks</i> , <b>2002</b> , 15, 1157-63	9.1	37
7	Neural representation of sensory data. <i>Behavioral and Brain Sciences</i> , <b>2002</b> , 25, 207-208	0.9	
6	Resting-state Physiological Networks		1
5	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study		14
4	7 Tesla MRI of the ex vivo human brain at 100 micron resolution		5
3	Simultaneous pure T2 and varying T2*-weighted BOLD fMRI using Echo Planar Time-resolved Imaging for mapping cortical-depth dependent responses		2
2	Imaging of the pial arterial vasculature of the human brain in vivo using high-resolution 7T time-of-flight angiography		1
1	Static and dynamic BOLD fMRI components along white matter fibre tracts and their dependence on the orientation of the local diffusion tensor axis relative to the B0-field. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 0271678X2211062	7.3	