

# Jonathan R Polimeni

## List of Publications by Year in descending order

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147  
papers

21,526  
citations

53939

47  
h-index

16186

128  
g-index

164  
all docs

164  
docs citations

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times ranked

21667  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 31-channel integrated AC/DC shim and radiofrequency receive array coil for improved 7T MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1074-1092.	1.9	14
2	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> , 2022, 42, 1272-1281.	2.4	9
3	Comprehensive diffusion MRI dataset for in vivo human brain microstructure mapping using 300 mT/m gradients. <i>Scientific Data</i> , 2022, 9, 7.	2.4	16
4	In vivo irreversible and reversible transverse relaxation rates in human cerebral cortex via line scans at 7 T with 250 micron resolution perpendicular to the cortical surface. <i>Magnetic Resonance Imaging</i> , 2022, 90, 44-52.	1.0	3
5	SDnDTI: Self-supervised deep learning-based denoising for diffusion tensor MRI. <i>NeuroImage</i> , 2022, 253, 119033.	2.1	31
6	Critical factors in achieving fine-scale functional MRI: Removing sources of inadvertent spatial smoothing. <i>Human Brain Mapping</i> , 2022, 43, 3311-3331.	1.9	9
7	Imaging of the pial arterial vasculature of the human brain in vivo using high-resolution 7T time-of-flight angiography. <i>ELife</i> , 2022, 11, .	2.8	22
8	Cerebellar atrophy and its implications on gait in cerebral amyloid angiopathy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 802-807.	0.9	3
9	Long-Term Effects of Repeated Blast Exposure in United States Special Operations Forces Personnel: A Pilot Study Protocol. <i>Journal of Neurotrauma</i> , 2022, 39, 1391-1407.	1.7	4
10	Oxygen extraction efficiency and white matter lesion burden in older adults exhibiting radiological evidence of capillary shunting. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1933-1943.	2.4	3
11	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> , 2021, 85, 390-403.	1.9	18
12	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> , 2021, 85, 120-139.	1.9	15
13	Dynamic distortion correction for functional MRI using FID navigators. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1294-1307.	1.9	16
14	Improving in vivo human cerebral cortical surface reconstruction using data-driven super-resolution. <i>Cerebral Cortex</i> , 2021, 31, 463-482.	1.6	17
15	Ground-truth resting-state signal provides data-driven estimation and correction for scanner distortion of fMRI time-series dynamics. <i>NeuroImage</i> , 2021, 227, 117584.	2.1	7
16	Lacunae, Microinfarcts, and Vascular Dysfunction in Cerebral Amyloid Angiopathy. <i>Neurology</i> , 2021, 96, e1646-e1654.	1.5	10
17	Efficient whole-brain tract-specific T1 mapping at 3T with slice-shuffled inversion-recovery diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 738-753.	1.9	5
18	In vivo human whole-brain Connectom diffusion MRI dataset at 760 $\mu\text{m}$ isotropic resolution. <i>Scientific Data</i> , 2021, 8, 122.	2.4	37

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19	Improved cortical surface reconstruction using sub-millimeter resolution MPRAGE by image denoising. <i>NeuroImage</i> , 2021, 233, 117946.	2.1	11
20	A suite of neurophotonic tools to underpin the contribution of internal brain states in fMRI. <i>Current Opinion in Biomedical Engineering</i> , 2021, 18, 100273.	1.8	6
21	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> , 2021, 42, 1653-1660.	1.2	13
22	High-resolution fMRI at 7 Tesla: challenges, promises and recent developments for individual-focused fMRI studies. <i>Current Opinion in Behavioral Sciences</i> , 2021, 40, 96-104.	2.0	26
23	Imaging faster neural dynamics with fast fMRI: A need for updated models of the hemodynamic response. <i>Progress in Neurobiology</i> , 2021, 207, 102174.	2.8	49
24	7T Epilepsy Task Force Consensus Recommendations on the Use of 7T MRI in Clinical Practice. <i>Neurology</i> , 2021, 96, 327-341.	1.5	52
25	The global configuration of visual stimuli alters co-fluctuations of cross-hemispheric human brain activity. <i>Journal of Neuroscience</i> , 2021, 41, JN-RM-3214-20.	1.7	3
26	Investigating mechanisms of fast BOLD responses: The effects of stimulus intensity and of spatial heterogeneity of hemodynamics. <i>NeuroImage</i> , 2021, 245, 118658.	2.1	13
27	Simultaneous pure T2 and varying T2-weighted BOLD fMRI using Echo Planar Time-resolved Imaging for mapping cortical-depth dependent responses. <i>NeuroImage</i> , 2021, 245, 118641.	2.1	9
28	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> , 2021, 4, 573-588.	0.0	0
29	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> , 2020, 40, 501-512.	2.4	38
30	In vivo functional localization of the temporal monocular crescent representation in human primary visual cortex. <i>NeuroImage</i> , 2020, 209, 116516.	2.1	3
31	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> , 2020, 208, 116434.	2.1	23
32	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> , 2020, 84, 206-220.	1.9	8
33	Advanced Neuroimaging to Unravel Mechanisms of Cerebral Small Vessel Diseases. <i>Stroke</i> , 2020, 51, 29-37.	1.0	21
34	DeepDTI: High-fidelity six-direction diffusion tensor imaging using deep learning. <i>NeuroImage</i> , 2020, 219, 117017.	2.1	63
35	Resting-state "physiological networks". <i>NeuroImage</i> , 2020, 213, 116707.	2.1	111
36	Eye-selective fMRI activity in human primary visual cortex: Comparison between 3T and 9.4T, and effects across cortical depth. <i>NeuroImage</i> , 2020, 220, 117078.	2.1	13

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37	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019, 202, 116091.	2.1	539
38	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> , 2019, 32, e4140.	1.6	4
39	Coupled electrophysiological, hemodynamic, and cerebrospinal fluid oscillations in human sleep. <i>Science</i> , 2019, 366, 628-631.	6.0	584
40	7 Tesla MRI of the ex vivo human brain at 100 micron resolution. <i>Scientific Data</i> , 2019, 6, 244.	2.4	179
41	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> , 2019, 81, 3865-3874.	1.9	12
42	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> , 2019, 189, 601-614.	2.1	41
43	Echo planar time-resolved imaging (EPTI). <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3599-3615.	1.9	75
44	Immunotherapy with ponezumab for probable cerebral amyloid angiopathy. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 795-806.	1.7	49
45	Highly accelerated multishot echo planar imaging through synergistic machine learning and joint reconstruction. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1343-1358.	1.9	40
46	Laminar (f)MRI: A short history and future prospects. <i>NeuroImage</i> , 2019, 197, 643-649.	2.1	45
47	Dependence of resting-state fMRI fluctuation amplitudes on cerebral cortical orientation relative to the direction of B0 and anatomical axes. <i>NeuroImage</i> , 2019, 196, 337-350.	2.1	29
48	Teaching NeuroImages: In vivo visualization of Edinger comb and Wilson pencils. <i>Neurology</i> , 2019, 92, e1663-e1664.	1.5	16
49	On the analysis of rapidly sampled fMRI data. <i>NeuroImage</i> , 2019, 188, 807-820.	2.1	68
50	Parallel distributed networks resolved at high resolution reveal close juxtaposition of distinct regions. <i>Journal of Neurophysiology</i> , 2019, 121, 1513-1534.	0.9	113
51	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> , 2019, 12, 911-921.	0.7	104
52	Ultra-Slow Single-Vessel BOLD and CBV-Based fMRI Spatiotemporal Dynamics and Their Correlation with Neuronal Intracellular Calcium Signals. <i>Neuron</i> , 2018, 97, 925-939.e5.	3.8	113
53	Characterizing Signals Within Lesions and Mapping Brain Network Connectivity After Traumatic Axonal Injury: A 7 Tesla Resting-State fMRI Study. <i>Brain Connectivity</i> , 2018, 8, 288-298.	0.8	9
54	Neuroimaging with ultra-high field MRI: Present and future. <i>NeuroImage</i> , 2018, 168, 1-6.	2.1	33

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55	Dual-polarity slice-GRAPPA for concurrent ghost correction and slice separation in simultaneous multi-slice EPI. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1364-1375.	1.9	15
56	The Adolescent Brain Cognitive Development (ABCD) study: Imaging acquisition across 21 sites. <i>Developmental Cognitive Neuroscience</i> , 2018, 32, 43-54.	1.9	1,282
57	Analysis strategies for high-resolution UHF-fMRI data. <i>NeuroImage</i> , 2018, 168, 296-320.	2.1	95
58	Relative latency and temporal variability of hemodynamic responses at the human primary visual cortex. <i>NeuroImage</i> , 2018, 164, 194-201.	2.1	34
59	Challenges and opportunities for brainstem neuroimaging with ultrahigh field MRI. <i>NeuroImage</i> , 2018, 168, 412-426.	2.1	121
60	Advantages of cortical surface reconstruction using submillimeter 7T MEMPRAGE. <i>NeuroImage</i> , 2018, 165, 11-26.	2.1	76
61	Optimized inversion-time schedules for quantitative T1 measurements based on high-resolution multi-inversion EPI. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2101-2112.	1.9	13
62	Magnetic Resonance Imaging technology "bridging the gap between noninvasive human imaging and optical microscopy. <i>Current Opinion in Neurobiology</i> , 2018, 50, 250-260.	2.0	18
63	Stimulus-dependent hemodynamic response timing across the human subcortical-cortical visual pathway identified through high spatiotemporal resolution 7T fMRI. <i>NeuroImage</i> , 2018, 181, 279-291.	2.1	63
64	High b-value and high Resolution Integrated Diffusion (HIBRID) imaging. <i>NeuroImage</i> , 2017, 150, 162-176.	2.1	24
65	Reduction of across-run variability of temporal SNR in accelerated EPI time-series data through FLEET-based robust autocalibration. <i>NeuroImage</i> , 2017, 152, 348-359.	2.1	10
66	Impacting the effect of fMRI noise through hardware and acquisition choices " Implications for controlling false positive rates. <i>NeuroImage</i> , 2017, 154, 15-22.	2.1	38
67	Functional density and edge maps: Characterizing functional architecture in individuals and improving cross-subject registration. <i>NeuroImage</i> , 2017, 158, 346-355.	2.1	28
68	Coil-to-coil physiological noise correlations and their impact on functional MRI time-series signal-to-noise ratio. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1708-1719.	1.9	21
69	<b>Rapid brain MRI acquisition techniques at ultra-high fields</b>. <i>NMR in Biomedicine</i> , 2016, 29, 1198-1221.	1.6	86
70	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> , 2016, 374, 20150184.	1.6	17
71	Neuroimaging brainstem circuitry supporting cardiovagal response to pain: a combined heart rate variability/ultrahigh-field (7 T) functional magnetic resonance imaging study. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150189.	1.6	39
72	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> , 2016, 29, 451-462.	1.1	59

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73	Cortical atrophy in patients with cerebral amyloid angiopathy: a case-control study. <i>Lancet Neurology</i> , 2016, 15, 811-819.	4.9	96
74	Intracortical depth analyses of frequency-sensitive regions of human auditory cortex using 7T fMRI. <i>NeuroImage</i> , 2016, 143, 116-127.	2.1	46
75	Fast fMRI can detect oscillatory neural activity in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6679-E6685.	3.3	146
76	A 32-channel combined RF and $B_0$ shim array for 3T brain imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 441-451.	1.9	106
77	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> , 2016, 75, 665-679.	1.9	113
78	Automatic cortical surface reconstruction of high-resolution T1 echo planar imaging data. <i>NeuroImage</i> , 2016, 134, 338-354.	2.1	57
79	Dual-polarity GRAPPA for simultaneous reconstruction and ghost correction of echo planar imaging data. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 32-44.	1.9	40
80	Interdigitated Color- and Disparity-Selective Columns within Human Visual Cortical Areas V2 and V3. <i>Journal of Neuroscience</i> , 2016, 36, 1841-1857.	1.7	125
81	MGH-USC Human Connectome Project datasets with ultra-high b-value diffusion MRI. <i>NeuroImage</i> , 2016, 124, 1108-1114.	2.1	209
82	Rapid multi-orientation quantitative susceptibility mapping. <i>NeuroImage</i> , 2016, 125, 1131-1141.	2.1	52
83	A dual-polarity grappa kernel for the robust reconstruction of accelerated EPI data. , 2015, , .		0
84	Wave-CAIPI for highly accelerated 3D imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2152-2162.	1.9	180
85	Quantifying the Microvascular Origin of BOLD-fMRI from First Principles with Two-Photon Microscopy and an Oxygen-Sensitive Nanoprobe. <i>Journal of Neuroscience</i> , 2015, 35, 3663-3675.	1.7	196
86	Toward an <i>In Vivo</i> Neuroimaging Template of Human Brainstem Nuclei of the Ascending Arousal, Autonomic, and Motor Systems. <i>Brain Connectivity</i> , 2015, 5, 597-607.	0.8	68
87	An anatomically realistic temperature phantom for radiofrequency heating measurements. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 442-450.	1.9	40
88	Associations of Resting-State fMRI Functional Connectivity with Flow-BOLD Coupling and Regional Vasculature. <i>Brain Connectivity</i> , 2015, 5, 137-146.	0.8	54
89	A study-specific fMRI normalization approach that operates directly on high resolution functional EPI data at 7Tesla. <i>NeuroImage</i> , 2014, 100, 710-714.	2.1	18
90	Wave-CAIPI enables highly accelerated 3D MRI. , 2014, , .		1

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91	Fast quantitative susceptibility mapping with L1-regularization and automatic parameter selection. Magnetic Resonance in Medicine, 2014, 72, 1444-1459.	1.9	110
92	Nineteen-channel receive array and four-channel transmit array coil for cervical spinal cord imaging at 7T. Magnetic Resonance in Medicine, 2014, 72, spcone-spcone.	1.9	0
93	Investigating the Capability to Resolve Complex White Matter Structures with High <i>b</i> -Value Diffusion Magnetic Resonance Imaging on the MGH-USC Connectom Scanner. Brain Connectivity, 2014, 4, 718-726.	0.8	53
94	Nineteen-channel receive array and four-channel transmit array coil for cervical spinal cord imaging at 7T. Magnetic Resonance in Medicine, 2014, 72, 291-300.	1.9	52
95	Interslice leakage artifact reduction technique for simultaneous multislice acquisitions. Magnetic Resonance in Medicine, 2014, 72, 93-102.	1.9	229
96	Dynamic and static contributions of the cerebrovasculature to the resting-state BOLD signal. NeuroImage, 2014, 84, 672-680.	2.1	51
97	Dynamic functional imaging of brain glucose utilization using fPET-FDG. NeuroImage, 2014, 100, 192-199.	2.1	123
98	Quantitative comparison of cortical surface reconstructions from MP2RAGE and multi-echo MPRAGE data at 3 and 7T. NeuroImage, 2014, 90, 60-73.	2.1	85
99	Underpinning the microvascular origin of BOLD-fMRI with two-photon microscopy. , 2014, , .		1
100	Surface based analysis of diffusion orientation for identifying architectonic domains in the in vivo human cortex. NeuroImage, 2013, 69, 87-100.	2.1	134
101	Sparsity-Promoting Calibration for GRAPPA Accelerated Parallel MRI Reconstruction. IEEE Transactions on Medical Imaging, 2013, 32, 1325-1335.	5.4	67
102	fMRI hemodynamics accurately reflects neuronal timing in the human brain measured by MEG. NeuroImage, 2013, 78, 372-384.	2.1	36
103	Whole-head rapid fMRI acquisition using echo-shifted magnetic resonance inverse imaging. NeuroImage, 2013, 78, 325-338.	2.1	35
104	FOCUSR: Feature Oriented Correspondence Using Spectral Regularization--A Method for Precise Surface Matching. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2143-2160.	9.7	64
105	The minimal preprocessing pipelines for the Human Connectome Project. NeuroImage, 2013, 80, 105-124.	2.1	4,042
106	Accelerated parallel magnetic resonance imaging reconstruction using joint estimation with a sparse signal model. , 2012, , .		2
107	T2* mapping and B0 orientation-dependence at 7T reveal cyto- and myeloarchitecture organization of the human cortex. NeuroImage, 2012, 60, 1006-1014.	2.1	133
108	An implanted 8-channel array coil for high-resolution macaque MRI at 3T. NeuroImage, 2012, 62, 1529-1536.	2.1	46

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109	Blipped-controlled aliasing in parallel imaging for simultaneous multislice echo planar imaging with reduced $g$ -factor penalty. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1210-1224.	1.9	1,144
110	Denosing sparse images from GRAPPA using the nullspace method. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1176-1189.	1.9	18
111	Physiological noise reduction using volumetric functional magnetic resonance inverse imaging. <i>Human Brain Mapping</i> , 2012, 33, 2815-2830.	1.9	26
112	Functional magnetic resonance imaging detection of vascular reactivity in cerebral amyloid angiopathy. <i>Annals of Neurology</i> , 2012, 72, 76-81.	2.8	150
113	Combined compressed sensing and parallel mri compared for uniform and random cartesian undersampling of $k$ -space. , 2011, , .		5
114	The organization of the human cerebral cortex estimated by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 2011, 106, 1125-1165.	0.9	6,420
115	Physiological noise and signal-to-noise ratio in fMRI with multi-channel array coils. <i>NeuroImage</i> , 2011, 55, 597-606.	2.1	167
116	Regularizing GRAPPA using simultaneous sparsity to recover de-noised images. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
117	32-channel RF coil optimized for brain and cervical spinal cord at 3 T. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1198-1208.	1.9	45
118	Evaluating sparsity penalty functions for combined compressed sensing and parallel MRI. , 2011, , .		3
119	Atlas-based segmentation for globus pallidus internus targeting on low-resolution MRI. , 2011, 2011, 5706-9.		1
120	Fast Brain Matching with Spectral Correspondence. <i>Lecture Notes in Computer Science</i> , 2011, 22, 660-673.	1.0	20
121	Performance evaluation of a 32-element head array with respect to the ultimate intrinsic SNR. <i>NMR in Biomedicine</i> , 2010, 23, 142-151.	1.6	53
122	$T_2$ -weighted 3D fMRI using $T_2$ -SSFP at 7 tesla. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1015-1020.	1.9	34
123	Near-isometric flattening of brain surfaces. <i>NeuroImage</i> , 2010, 51, 694-703.	2.1	14
124	Laminar analysis of 7T BOLD using an imposed spatial activation pattern in human V1. <i>NeuroImage</i> , 2010, 52, 1334-1346.	2.1	378
125	Discrete Calculus. , 2010, , .		172
126	Filtering on Graphs. , 2010, , 155-197.		1



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127	Discrete Calculus: History and Future. , 2010, , 1-9.		0
128	Manifold Learning and Ranking. , 2010, , 243-266.		0
129	Introduction to Discrete Calculus. , 2010, , 13-89.		1
130	Measuring Networks. , 2010, , 267-289.		0
131	Building a Weighted Complex from Data. , 2010, , 125-154.		0
132	Circuit Theory and Other Discrete Physical Models. , 2010, , 91-122.		0
133	Clustering and Segmentation. , 2010, , 199-242.		0
134	96â€œChannel receiveâ€œonly head coil for 3 Tesla: Design optimization and evaluation. Magnetic Resonance in Medicine, 2009, 62, 754-762.	1.9	237
135	Locating the functional and anatomical boundaries of human primary visual cortex. NeuroImage, 2009, 46, 915-922.	2.1	98
136	Predicting the location of entorhinal cortex from MRI. NeuroImage, 2009, 47, 8-17.	2.1	94
137	Exact Geodesics and Shortest Paths on Polyhedral Surfaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1006-1016.	9.7	28
138	A 128-channel receive-only cardiac coil for highly accelerated cardiac MRI at 3 Tesla. Magnetic Resonance in Medicine, 2008, 59, 1431-1439.	1.9	142
139	Sliceâ€œselective RF pulses for in vivo <i>B</i> inhomogeneity mitigation at 7 tesla using parallel RF excitation with a 16â€œelement coil. Magnetic Resonance in Medicine, 2008, 60, 1422-1432.	1.9	140
140	Accurate prediction of V1 location from cortical folds in a surface coordinate system. NeuroImage, 2008, 39, 1585-1599.	2.1	221
141	Event-related single-shot volumetric functional magnetic resonance inverse imaging of visual processing. NeuroImage, 2008, 42, 230-247.	2.1	45
142	The Intrinsic Shape of Human and Macaque Primary Visual Cortex. Cerebral Cortex, 2008, 18, 2586-2595.	1.6	35
143	Multi-area visuotopic map complexes in macaque striate and extra-striate cortex. Vision Research, 2006, 46, 3336-3359.	0.7	73
144	Physical limits to spatial resolution of optical recording: Clarifying the spatial structure of cortical hypercolumns. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4158-4163.	3.3	62

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145	Neural representation of sensory data. Behavioral and Brain Sciences, 2002, 25, 207-208.	0.4	0
146	The V1â€“V2â€“V3 complex: quasiconformal dipole maps in primate striate and extra-striate cortex. Neural Networks, 2002, 15, 1157-1163.	3.3	45
147	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 B<sub>0</sub>-field. Journal of Cerebral Blood Flow and Metabolism, 0, , 0271678X2211062.	2.4	0