

# Xiaoping Hu

## 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.

304  
papers

18,445  
citations

75  
h-index

124  
g-index

323  
ext. papers

20,825  
ext. citations

5.3  
avg, IF

6.56  
L-index

#	Paper	IF	Citations
304	Nigral diffusivity, but not free water, correlates with iron content in Parkinson's disease. <i>Brain Communications</i> , <b>2021</b> , 3, fcab251	4.5	0
303	General anaesthesia during infancy reduces white matter micro-organisation in developing rhesus monkeys. <i>British Journal of Anaesthesia</i> , <b>2021</b> , 126, 845-853	5.4	4
302	In-vivo diffusion MRI protocol optimization for the chimpanzee brain and examination of aging effects on the primate optic nerve at 3T. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 77, 194-203	3.3	3
301	Implicit associative learning relates to basal ganglia gray matter microstructure in young and older adults. <i>Behavioural Brain Research</i> , <b>2021</b> , 397, 112950	3.4	3
300	Altered hippocampal-prefrontal functional network integrity in adult macaque monkeys with neonatal hippocampal lesions. <i>NeuroImage</i> , <b>2021</b> , 227, 117645	7.9	4
299	Sensory, somatomotor and internal mentation networks emerge dynamically in the resting brain with internal mentation predominating in older age. <i>NeuroImage</i> , <b>2021</b> , 237, 118188	7.9	0
298	Impact of Locus Coeruleus and Its Projections on Memory and Aging. <i>Brain Connectivity</i> , <b>2021</b> ,	2.7	1
297	Cortical 3-hinges could serve as hubs in cortico-cortical connective network. <i>Brain Imaging and Behavior</i> , <b>2020</b> , 14, 2512-2529	4.1	6
296	Species-Shared and -Specific Structural Connections Revealed by Dirty Multi-task Regression. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 94-103	0.9	
295	Characterization of age-related microstructural changes in locus coeruleus and substantia nigra pars compacta. <i>Neurobiology of Aging</i> , <b>2020</b> , 87, 89-97	5.6	10
294	Multimodal assessment of nigrosomal degeneration in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2020</b> , 80, 102-107	3.6	4
293	Increased iron-deposition in lateral-ventral substantia nigra pars compacta: A promising neuroimaging marker for Parkinson's disease. <i>NeuroImage: Clinical</i> , <b>2020</b> , 28, 102391	5.3	10
292	DisConICA: a Software Package for Assessing Reproducibility of Brain Networks and their Discriminability across Disorders. <i>Neuroinformatics</i> , <b>2020</b> , 18, 87-107	3.2	2
291	Identifying Cross-individual Correspondences of 3-hinge Gyri. <i>Medical Image Analysis</i> , <b>2020</b> , 63, 101700	15.4	4
290	Longitudinal changes of amygdala functional connectivity in adolescents prenatally exposed to cocaine. <i>Drug and Alcohol Dependence</i> , <b>2019</b> , 200, 50-58	4.9	3
289	Disentangling the effects of early caregiving experience and heritable factors on brain white matter development in rhesus monkeys. <i>NeuroImage</i> , <b>2019</b> , 197, 625-642	7.9	11
288	Joint representation of connectome-scale structural and functional profiles for identification of consistent cortical landmarks in macaque brain. <i>Brain Imaging and Behavior</i> , <b>2019</b> , 13, 1427-1443	4.1	3

287	Reproducible detection of nigral iron deposition in 2 Parkinson's disease cohorts. <i>Movement Disorders</i> , <b>2019</b> , 34, 416-419	7	18
286	Deep Learning Models Unveiled Functional Difference Between Cortical Gyri and Sulci. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 1297-1308	5	10
285	Hemodynamic response function (HRF) variability confounds resting-state fMRI functional connectivity. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1697-1713	4.4	50
284	Individual Identification Using the Functional Brain Fingerprint Detected by the Recurrent Neural Network. <i>Brain Connectivity</i> , <b>2018</b> , 8, 197-204	2.7	14
283	Parameterized hemodynamic response function data of healthy individuals obtained from resting-state functional MRI in a 7T MRI scanner. <i>Data in Brief</i> , <b>2018</b> , 17, 1175-1179	1.2	9
282	Denser Growing Fiber Connections Induce 3-hinge Gyral Folding. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 1064-1075	5.1	19
281	Optimization of macaque brain DMRI connectome by neuron tracing and myelin stain data. <i>Computerized Medical Imaging and Graphics</i> , <b>2018</b> , 69, 9-20	7.6	3
280	Diffusion tensor imaging reveals microstructural alterations in corpus callosum and associated transcallosal fiber tracts in adult macaques with neonatal hippocampal lesions. <i>Hippocampus</i> , <b>2018</b> , 28, 838-845	3.5	3
279	Bulk Flow and Near Wall Hemodynamics of the Rabbit Aortic Arch: A 4D PC-MRI Derived CFD Study. <i>Journal of Biomechanical Engineering</i> , <b>2018</b> ,	2.1	5
278	Topology of the Structural Social Brain Network in Typical Adults. <i>Brain Connectivity</i> , <b>2018</b> , 8, 537-548	2.7	6
277	Maternal buffering beyond glucocorticoids: impact of early life stress on corticolimbic circuits that control infant responses to novelty. <i>Social Neuroscience</i> , <b>2017</b> , 12, 50-64	2	25
276	Dentate nucleus iron deposition is a potential biomarker for tremor-dominant Parkinson's disease. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3554	4.4	28
275	Can Patel's accurately estimate directionality of connections in brain networks from fMRI?. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 2003-2010	4.4	8
274	In vivo detection of lateral-ventral tier nigral degeneration in Parkinson's disease. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 2627-2634	5.9	26
273	Aberrant interhemispheric homotopic functional and structural connectivity in amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2017</b> , 88, 369-370	5.5	28
272	MR fingerprinting reconstruction with Kalman filter. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 41, 53-62	3.3	7
271	Alterations of resting-state fMRI measurements in individuals with cervical dystonia. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 4098-4108	5.9	32
270	Dynamic brain connectivity is a better predictor of PTSD than static connectivity. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 4479-4496	5.9	55

269	Mechanisms of circumferential gyral convolution in primate brains. <i>Journal of Computational Neuroscience</i> , <b>2017</b> , 42, 217-229	1.4	15
268	Parkinson's disease-related increase of T2*-weighted hypointensity in substantia nigra pars compacta. <i>Movement Disorders</i> , <b>2017</b> , 32, 441-449	7	39
267	Connectome-scale functional intrinsic connectivity networks in macaques. <i>Neuroscience</i> , <b>2017</b> , 364, 1-14	3.9	14
266	Improved Neuroimaging Atlas of the Dentate Nucleus. <i>Cerebellum</i> , <b>2017</b> , 16, 951-956	4.3	12
265	Commonly preserved and species-specific gyral folding patterns across primate brains. <i>Brain Structure and Function</i> , <b>2017</b> , 222, 2127-2141	4	19
264	Reproducibility of locus coeruleus and substantia nigra imaging with neuromelanin sensitive MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2017</b> , 30, 121-125	2.8	39
263	Radial Structure Scaffolds Convolution Patterns of Developing Cerebral Cortex. <i>Frontiers in Computational Neuroscience</i> , <b>2017</b> , 11, 76	3.5	9
262	Dynamic analysis of resting state fMRI data and its applications <b>2016</b> ,		1
261	Altered directional connectivity between emotion network and motor network in Parkinson's disease with depression. <i>Medicine (United States)</i> , <b>2016</b> , 95, e4222	1.8	26
260	Diffusion tensor imaging of the substantia nigra in Parkinson's disease revisited. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 2547-56	5.9	50
259	Lorentzian sparsity based spectroscopic reconstruction for fast high-dimensional magnetic resonance spectroscopy. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 215-26	3.8	2
258	Conceptual convergence: increased inflammation is associated with increased basal ganglia glutamate in patients with major depression. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 1351-7	15.1	157
257	Spatiotemporal Modeling of Brain Dynamics Using Resting-State Functional Magnetic Resonance Imaging with Gaussian Hidden Markov Model. <i>Brain Connectivity</i> , <b>2016</b> , 6, 326-34	2.7	24
256	Longitudinal changes of amygdala and default mode activation in adolescents prenatally exposed to cocaine. <i>Neurotoxicology and Teratology</i> , <b>2016</b> , 53, 24-32	3.9	7
255	Inflammation is associated with decreased functional connectivity within corticostriatal reward circuitry in depression. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 1358-65	15.1	302
254	UNC-Emory Infant Atlases for Macaque Brain Image Analysis: Postnatal Brain Development through 12 Months. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 617	5.1	19
253	A Multi-stage Sparse Coding Framework to Explore the Effects of Prenatal Alcohol Exposure. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 28-36	0.9	
252	A Functional Magnetic Resonance Imaging Study of Head Movements in Cervical Dystonia. <i>Frontiers in Neurology</i> , <b>2016</b> , 7, 201	4.1	24

251	Dynamic thalamus parcellation from resting-state fMRI data. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 954-67	5.9	35
250	Decreased functional connectivity in dorsolateral prefrontal cortical networks in adult macaques with neonatal hippocampal lesions: Relations to visual working memory deficits. <i>Neurobiology of Learning and Memory</i> , <b>2016</b> , 134 Pt A, 31-37	3.1	15
249	Hyperactivation of working memory-related brain circuits in newly diagnosed middle-aged type 2 diabetics. <i>Acta Diabetologica</i> , <b>2015</b> , 52, 133-42	3.9	18
248	Neural Substrates for Head Movements in Humans: A Functional Magnetic Resonance Imaging Study. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 9163-72	6.6	13
247	Assessing effects of prenatal alcohol exposure using group-wise sparse representation of fMRI data. <i>Psychiatry Research - Neuroimaging</i> , <b>2015</b> , 233, 254-68	2.9	27
246	A multicontrast approach for comprehensive imaging of substantia nigra. <i>NeuroImage</i> , <b>2015</b> , 112, 7-13	7.9	47
245	Protein MRI contrast agent with unprecedented metal selectivity and sensitivity for liver cancer imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6607-12	11.5	64
244	Connectomic profiles for individualized resting state networks and regions of interest. <i>Brain Connectivity</i> , <b>2015</b> , 5, 69-79	2.7	3
243	High-Speed SpatialSpectral Encoding with PEPSI and Spiral MRSI <b>2015</b> , 587-600		2
242	Allen mouse brain atlases reveal different neural connection and gene expression patterns in cerebellum gyri and sulci. <i>Brain Structure and Function</i> , <b>2015</b> , 220, 2691-703	4	17
241	Age-related increases in basal ganglia glutamate are associated with TNF, reduced motivation and decreased psychomotor speed during IFN-alpha treatment: Preliminary findings. <i>Brain, Behavior, and Immunity</i> , <b>2015</b> , 46, 17-22	16.6	45
240	Multi-scale and Multimodal Fusion of Tract-tracing, Myelin Stain and DTI-derived Fibers in Macaque Brains. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9350, 246-54	0.9	3
239	IFN-alpha-induced cortical and subcortical glutamate changes assessed by magnetic resonance spectroscopy. <i>Neuropsychopharmacology</i> , <b>2014</b> , 39, 1777-85	8.7	107
238	Dynamic functional connectomics signatures for characterization and differentiation of PTSD patients. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 1761-78	5.9	106
237	Simultaneous imaging of locus coeruleus and substantia nigra with a quantitative neuromelanin MRI approach. <i>Magnetic Resonance Imaging</i> , <b>2014</b> , 32, 1301-6	3.3	71
236	Behavioral relevance of the dynamics of the functional brain connectome. <i>Brain Connectivity</i> , <b>2014</b> , 4, 741-59	2.7	76
235	Partitioned edge-function-scaled region-based active contour (p-ESRAC): automated liver segmentation in multiphase contrast-enhanced MRI. <i>Medical Physics</i> , <b>2014</b> , 41, 041914	4.4	11
234	Alterations of hippocampal projections in adult macaques with neonatal hippocampal lesions: a Diffusion Tensor Imaging study. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 828-37	7.9	14

233	A study on small-world brain functional networks altered by postherpetic neuralgia. <i>Magnetic Resonance Imaging</i> , <b>2014</b> , 32, 359-65	3.3	26
232	Characterization of U-shape streamline fibers: Methods and applications. <i>Medical Image Analysis</i> , <b>2014</b> , 18, 795-807	15.4	47
231	Reconciling variable findings of white matter integrity in major depressive disorder. <i>Neuropsychopharmacology</i> , <b>2014</b> , 39, 1332-9	8.7	49
230	Evolutionarily-preserved consistent gyral folding patterns across primate brains <b>2014</b> ,		3
229	PCLR: phase-constrained low-rank model for compressive diffusion-weighted MRI. <i>Magnetic Resonance in Medicine</i> , <b>2014</b> , 72, 1330-1341	4.4	20
228	Inferring functional interaction and transition patterns via dynamic Bayesian variable partition models. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 3314-31	5.9	30
227	Reliability of neuroanatomical measurements in a multisite longitudinal study of youth at risk for psychosis. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 2424-34	5.9	54
226	Use of high-resolution volumetric MR spectroscopic imaging in assessing treatment response of glioblastoma to an HDAC inhibitor. <i>American Journal of Roentgenology</i> , <b>2014</b> , 203, W158-65	5.4	11
225	Social subordination stress and serotonin transporter polymorphisms: associations with brain white matter tract integrity and behavior in juvenile female macaques. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 3334-49	5.1	25
224	Assessing low-frequency repetitive transcranial magnetic stimulation with functional magnetic resonance imaging: a case series. <i>Physiotherapy Research International</i> , <b>2014</b> , 19, 117-25	1.8	2
223	In vivo evaluation of optic nerve development in non-human primates by using diffusion tensor imaging. <i>International Journal of Developmental Neuroscience</i> , <b>2014</b> , 32, 64-8	2.7	8
222	Altered causal connectivity of resting state brain networks in amnesic MCI. <i>PLoS ONE</i> , <b>2014</b> , 9, e88476	3.7	41
221	In vivo evaluation of optic nerve aging in adult rhesus monkey by diffusion tensor imaging. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2014</b> , 4, 43-9	3.6	11
220	Peak-specific phase correction for automated spectrum processing of magnetic resonance spectroscopic imaging by using the multiscale approach <b>2014</b> , 31, 32-39		1
219	Connectomics signatures of prenatal cocaine exposure affected adolescent brains. <i>Human Brain Mapping</i> , <b>2013</b> , 34, 2494-510	5.9	34
218	Brain aging in humans, chimpanzees ( <i>Pan troglodytes</i> ), and rhesus macaques ( <i>Macaca mulatta</i> ): magnetic resonance imaging studies of macro- and microstructural changes. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 2248-60	5.6	70
217	Diffusion tensor imaging reveals evolution of primate brain architectures. <i>Brain Structure and Function</i> , <b>2013</b> , 218, 1429-50	4	19
216	Long-duration transcutaneous electric acupoint stimulation alters small-world brain functional networks. <i>Magnetic Resonance Imaging</i> , <b>2013</b> , 31, 1105-11	3.3	15

215	Brain white matter microstructure alterations in adolescent rhesus monkeys exposed to early life stress: associations with high cortisol during infancy. <i>Biology of Mood &amp; Anxiety Disorders</i> , <b>2013</b> , 3, 21		81
214	Prenatal cocaine exposure alters functional activation in the ventral prefrontal cortex and its structural connectivity with the amygdala. <i>Psychiatry Research - Neuroimaging</i> , <b>2013</b> , 213, 47-55	2.9	24
213	Bilateral basal ganglia activity in verbal working memory. <i>Brain and Language</i> , <b>2013</b> , 125, 316-23	2.9	35
212	Coevolution of gyral folding and structural connection patterns in primate brains. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 1208-17	5.1	50
211	Mapping putative hubs in human, chimpanzee and rhesus macaque connectomes via diffusion tractography. <i>NeuroImage</i> , <b>2013</b> , 80, 462-74	7.9	83
210	Phase synchronization in brain networks derived from correlation between probabilities of recurrences in functional MRI data. <i>International Journal of Neural Systems</i> , <b>2013</b> , 23, 1350003	6.2	31
209	Grand challenges in mapping the human brain: NSF workshop report. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2013</b> , 60, 2983-92	5	51
208	Differential functional connectivity within an emotion regulation neural network among individuals resilient and susceptible to the depressogenic effects of early life stress. <i>Psychological Medicine</i> , <b>2013</b> , 43, 507-18	6.9	177
207	Correction for the T1 effect incorporating flip angle estimated by Kalman filter in cardiac-gated functional MRI. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 70, 1626-33	4.4	10
206	Robust tract skeleton extraction of cingulum based on active contour model from diffusion tensor MR imaging. <i>PLoS ONE</i> , <b>2013</b> , 8, e56113	3.7	2
205	Sulfur amino acid-free diet results in increased glutamate in human midbrain: a pilot magnetic resonance spectroscopic study. <i>Nutrition</i> , <b>2012</b> , 28, 235-41	4.8	4
204	Direct detection of a single evoked action potential with MRS in <i>Lumbricus terrestris</i> . <i>NMR in Biomedicine</i> , <b>2012</b> , 25, 123-30	4.4	6
203	Axonal fiber terminations concentrate on gyri. <i>Cerebral Cortex</i> , <b>2012</b> , 22, 2831-9	5.1	81
202	Simultaneous CBF and BOLD mapping of high frequency acupuncture induced brain activity. <i>Neuroscience Letters</i> , <b>2012</b> , 530, 12-7	3.3	15
201	Manifestation and post hoc correction of gradient cross-term artifacts in DTI. <i>Magnetic Resonance Imaging</i> , <b>2012</b> , 30, 764-73	3.3	6
200	Investigating effective brain connectivity from fMRI data: past findings and current issues with reference to Granger causality analysis. <i>Brain Connectivity</i> , <b>2012</b> , 2, 235-45	2.7	78
199	The story of the initial dip in fMRI. <i>NeuroImage</i> , <b>2012</b> , 62, 1103-8	7.9	70
198	Quantitative assessment of a framework for creating anatomical brain networks via global tractography. <i>NeuroImage</i> , <b>2012</b> , 61, 1017-30	7.9	33

197	Generalized RAICAR: discover homogeneous subject (sub)groups by reproducibility of their intrinsic connectivity networks. <i>NeuroImage</i> , <b>2012</b> , 63, 403-14	7.9	33
196	Adiabatic pulse preparation for imaging iron oxide nanoparticles. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 67, 1133-7	4.4	4
195	View angle tilting echo planar imaging for distortion correction. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 68, 1211-9	4.4	2
194	Understanding specific effects of prenatal alcohol exposure on brain structure in young adults. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 1663-76	5.9	45
193	The effects of connection reconstruction method on the interregional connectivity of brain networks via diffusion tractography. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 1894-913	5.9	75
192	A whole brain fMRI atlas generated via spatially constrained spectral clustering. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 1914-28	5.9	94 <sup>o</sup>
191	Combining features from ERP components in single-trial EEG for discriminating four-category visual objects. <i>Journal of Neural Engineering</i> , <b>2012</b> , 9, 056013	5	33
190	A rigorous approach for testing the constructionist hypotheses of brain function. <i>Behavioral and Brain Sciences</i> , <b>2012</b> , 35, 148-9	0.9	11
189	Dual pathways for haptic and visual perception of spatial and texture information. <i>NeuroImage</i> , <b>2011</b> , 57, 462-75	7.9	123
188	Instantaneous and causal connectivity in resting state brain networks derived from functional MRI data. <i>NeuroImage</i> , <b>2011</b> , 54, 1043-52	7.9	146
187	Art for reward's sake: visual art recruits the ventral striatum. <i>NeuroImage</i> , <b>2011</b> , 55, 420-33	7.9	168
186	Memory and brain volume in adults prenatally exposed to alcohol. <i>Brain and Cognition</i> , <b>2011</b> , 75, 67-77	2.7	66
185	Default mode network dysfunction in adults with prenatal alcohol exposure. <i>Psychiatry Research - Neuroimaging</i> , <b>2011</b> , 194, 354-362	2.9	39
184	Investigating the enhancement of template-free activation detection of event-related fMRI data using wavelet shrinkage and figures of merit. <i>Artificial Intelligence in Medicine</i> , <b>2011</b> , 51, 187-98	7.4	5
183	Protein-based MRI contrast agents for molecular imaging of prostate cancer. <i>Molecular Imaging and Biology</i> , <b>2011</b> , 13, 416-423	3.8	19
182	Spatio-temporal pattern analysis of single-trial EEG signals recorded during visual object recognition. <i>Science China Information Sciences</i> , <b>2011</b> , 54, 2499-2507	3.4	4
181	Increased "default mode" activity in adolescents prenatally exposed to cocaine. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 759-70	5.9	41
180	Effective connectivity of the multiplication network: a functional MRI and multivariate Granger Causality Mapping study. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 1419-31	5.9	45



179	Simultaneous investigation of local and distributed functional brain connectivity from fMRI data <b>2011,</b>		1
178	Activation and effective connectivity changes following explicit-memory training for face-name pairs in patients with mild cognitive impairment: a pilot study. <i>Neurorehabilitation and Neural Repair</i> , <b>2011</b> , 25, 210-22	4.7	106
177	Magnetic resonance spectroscopy of the cervical cord in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , <b>2011</b> , 12, 185-91		37
176	Abnormal brain default-mode network functional connectivity in drug addicts. <i>PLoS ONE</i> , <b>2011</b> , 6, e16569.7	9.7	107
175	Incomplete cortical reorganization in macular degeneration <b>2010</b> , 51, 6826-34		53
174	Diffusion tensor imaging reveals regional differences in the cervical spinal cord in amyotrophic lateral sclerosis. <i>NeuroImage</i> , <b>2010</b> , 53, 576-83	7.9	67
173	Alterations in the processing of non-drug-related affective stimuli in abstinent heroin addicts. <i>NeuroImage</i> , <b>2010</b> , 49, 971-6	7.9	36
172	Addiction related alteration in resting-state brain connectivity. <i>NeuroImage</i> , <b>2010</b> , 49, 738-44	7.9	256
171	Object familiarity modulates effective connectivity during haptic shape perception. <i>NeuroImage</i> , <b>2010</b> , 49, 1991-2000	7.9	78
170	Effect of hemodynamic variability on Granger causality analysis of fMRI. <i>NeuroImage</i> , <b>2010</b> , 52, 884-96	7.9	143
169	Adaptive smoothing of high angular resolution diffusion-weighted imaging data by generalized cross-validation improves Q-ball orientation distribution function reconstruction. <i>Magnetic Resonance Imaging</i> , <b>2010</b> , 28, 982-94	3.3	
168	Assessing and compensating for zero-lag correlation effects in time-lagged Granger causality analysis of FMRI. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2010</b> , 57, 1446-56	5	80
167	Altered local coherence in the default mode network due to sevoflurane anesthesia. <i>Brain Research</i> , <b>2010</b> , 1318, 110-21	3.7	68
166	Utility of axial and radial diffusivity from diffusion tensor MRI as markers of neurodegeneration in amyotrophic lateral sclerosis. <i>Brain Research</i> , <b>2010</b> , 1348, 156-64	3.7	93
165	Simultaneous acquisition of gradient echo/spin echo BOLD and perfusion with a separate labeling coil. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 64, 1827-31	4.4	2
164	Data consistency criterion for selecting parameters for k-space-based reconstruction in parallel imaging. <i>Magnetic Resonance Imaging</i> , <b>2010</b> , 28, 119-28	3.3	12
163	Comparison of alpha-chloralose, medetomidine and isoflurane anesthesia for functional connectivity mapping in the rat. <i>Magnetic Resonance Imaging</i> , <b>2010</b> , 28, 995-1003	3.3	136
162	Chimpanzee ( <i>Pan troglodytes</i> ) precentral corticospinal system asymmetry and handedness: a diffusion magnetic resonance imaging study. <i>PLoS ONE</i> , <b>2010</b> , 5, e12886	3.7	33

161	Recursive cluster elimination based support vector machine for disease state prediction using resting state functional and effective brain connectivity. <i>PLoS ONE</i> , <b>2010</b> , 5, e14277	3.7	51
160	Measurement of hepatic lipid: high-speed T2-corrected multiecho acquisition at 1H MR spectroscopy—a rapid and accurate technique. <i>Radiology</i> , <b>2009</b> , 252, 568-76	20.5	120
159	Prenatal cocaine exposure alters emotional arousal regulation and its effects on working memory. <i>Neurotoxicology and Teratology</i> , <b>2009</b> , 31, 342-8	3.9	37
158	Asymmetric connectivity reduction and its relationship to "HAROLD" in aging brain. <i>Brain Research</i> , <b>2009</b> , 1295, 149-58	3.7	55
157	Integrated local correlation: a new measure of local coherence in fMRI data. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 13-23	5.9	47
156	Masked smoking-related images modulate brain activity in smokers. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 896-907	5.9	20
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