

Xiaoping Hu

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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	A whole brain fMRI atlas generated via spatially constrained spectral clustering. <i>Human Brain Mapping</i> , 2012 , 33, 1914-28	5.9	940
303	The evolution of the arcuate fasciculus revealed with comparative DTI. <i>Nature Neuroscience</i> , 2008 , 11, 426-8	25.5	652
302	Sustained negative BOLD, blood flow and oxygen consumption response and its coupling to the positive response in the human brain. <i>Neuron</i> , 2002 , 36, 1195-210	13.9	487
301	Retrospective estimation and correction of physiological fluctuation in functional MRI. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 201-12	4.4	390
300	Imaging brain function in humans at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 588-94	4.4	371
299	BOLD based functional MRI at 4 Tesla includes a capillary bed contribution: echo-planar imaging correlates with previous optical imaging using intrinsic signals. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 453-9	4.4	358
298	Inflammation is associated with decreased functional connectivity within corticostriatal reward circuitry in depression. <i>Molecular Psychiatry</i> , 2016 , 21, 1358-65	15.1	302
297	Microvascular BOLD contribution at 4 and 7 T in the human brain: gradient-echo and spin-echo fMRI with suppression of blood effects. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 1019-27	4.4	296
296	Support vector machines for temporal classification of block design fMRI data. <i>NeuroImage</i> , 2005 , 26, 317-29	7.9	294
295	4 T-fMRI study of nonspatial shifting of selective attention: cerebellar and parietal contributions. <i>Journal of Neurophysiology</i> , 1998 , 79, 1535-48	3.2	288
294	Addiction related alteration in resting-state brain connectivity. <i>NeuroImage</i> , 2010 , 49, 738-44	7.9	256
293	Spin-echo fMRI in humans using high spatial resolutions and high magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2003 , 49, 655-64	4.4	253
292	Functionalization and peptide-based delivery of magnetic nanoparticles as an intracellular MRI contrast agent. <i>Journal of Biological Inorganic Chemistry</i> , 2004 , 9, 706-12	3.7	238
291	Functional magnetic resonance imaging of Broca's area during internal speech. <i>NeuroReport</i> , 1993 , 4, 675-8	1.7	237
290	Evaluation of the early response in fMRI in individual subjects using short stimulus duration. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 877-84	4.4	220
289	Reduction of signal fluctuation in functional MRI using navigator echoes. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 495-503	4.4	211
288	Multivariate Granger causality analysis of fMRI data. <i>Human Brain Mapping</i> , 2009 , 30, 1361-73	5.9	199

287	Coating thickness of magnetic iron oxide nanoparticles affects R2 relaxivity. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 1634-41	5.6	196
286	Respiration-induced B0 fluctuations and their spatial distribution in the human brain at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 888-95	4.4	194
285	Potential pitfalls of functional MRI using conventional gradient-recalled echo techniques. <i>NMR in Biomedicine</i> , 1994 , 7, 69-74	4.4	194
284	Real-time fMRI using brain-state classification. <i>Human Brain Mapping</i> , 2007 , 28, 1033-44	5.9	193
283	Functional connectivity changes with concentration of sevoflurane anesthesia. <i>NeuroReport</i> , 2005 , 16, 285-8	1.7	191
282	Correction of physiologically induced global off-resonance effects in dynamic echo-planar and spiral functional imaging. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 344-53	4.4	186
281	Reproducibility of fMRI results across four institutions using a spatial working memory task. <i>NeuroImage</i> , 1998 , 8, 249-61	7.9	184
280	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> , 2013 , 43, 507-18	6.9	177
279	Art for reward's sake: visual art recruits the ventral striatum. <i>NeuroImage</i> , 2011 , 55, 420-33	7.9	168
278	BOLD study of stimulation-induced neural activity and resting-state connectivity in medetomidine-sedated rat. <i>NeuroImage</i> , 2008 , 39, 248-60	7.9	158
277	Conceptual convergence: increased inflammation is associated with increased basal ganglia glutamate in patients with major depression. <i>Molecular Psychiatry</i> , 2016 , 21, 1351-7	15.1	157
276	Effective connectivity during haptic perception: a study using Granger causality analysis of functional magnetic resonance imaging data. <i>NeuroImage</i> , 2008 , 40, 1807-14	7.9	155
275	MagA is sufficient for producing magnetic nanoparticles in mammalian cells, making it an MRI reporter. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 1225-31	4.4	152
274	SLIM: spectral localization by imaging. <i>Magnetic Resonance in Medicine</i> , 1988 , 8, 314-22	4.4	147
273	Instantaneous and causal connectivity in resting state brain networks derived from functional MRI data. <i>NeuroImage</i> , 2011 , 54, 1043-52	7.9	146
272	Effect of hemodynamic variability on Granger causality analysis of fMRI. <i>NeuroImage</i> , 2010 , 52, 884-96	7.9	143
271	Comparison of alpha-chloralose, medetomidine and isoflurane anesthesia for functional connectivity mapping in the rat. <i>Magnetic Resonance Imaging</i> , 2010 , 28, 995-1003	3.3	136
270	Activity and effective connectivity of parietal and occipital cortical regions during haptic shape perception. <i>Neuropsychologia</i> , 2007 , 45, 476-83	3.2	136

269	High-resolution, spin-echo BOLD, and CBF fMRI at 4 and 7 T. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 589-93	4.4	129
268	Zoomed functional imaging in the human brain at 7 Tesla with simultaneous high spatial and high temporal resolution. <i>NeuroImage</i> , 2002 , 17, 272-86	7.9	125
267	The nature of spatiotemporal changes in cerebral hemodynamics as manifested in functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 511-8	4.4	124
266	Dual pathways for haptic and visual perception of spatial and texture information. <i>NeuroImage</i> , 2011 , 57, 462-75	7.9	123
265	Measurement of hepatic lipid: high-speed T2-corrected multiecho acquisition at 1H MR spectroscopy—a rapid and accurate technique. <i>Radiology</i> , 2009 , 252, 568-76	20.5	120
264	The brain: integrated three-dimensional display of MR and PET images. <i>Radiology</i> , 1989 , 172, 783-9	20.5	112
263	fMRI revealed neural substrate for reversible working memory dysfunction in subclinical hypothyroidism. <i>Brain</i> , 2006 , 129, 2923-30	11.2	110
262	Retrospective estimation and correction of physiological artifacts in fMRI by direct extraction of physiological activity from MR data. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 290-8	4.4	108
261	IFN-alpha-induced cortical and subcortical glutamate changes assessed by magnetic resonance spectroscopy. <i>Neuropsychopharmacology</i> , 2014 , 39, 1777-85	8.7	107
260	Perfusion-based high-resolution functional imaging in the human brain at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 903-11	4.4	107
259	Abnormal brain default-mode network functional connectivity in drug addicts. <i>PLoS ONE</i> , 2011 , 6, e16560	9.7	107
258	Dynamic functional connectomics signatures for characterization and differentiation of PTSD patients. <i>Human Brain Mapping</i> , 2014 , 35, 1761-78	5.9	106
257	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> , 2011 , 25, 210-22	4.7	106
256	Tactile discrimination of grating orientation: fMRI activation patterns. <i>Human Brain Mapping</i> , 2005 , 25, 370-7	5.9	105
255	Reduction of field of view for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 691-4	4.4	103
254	Rational design of protein-based MRI contrast agents. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9260-7	16.4	100
253	Evaluation of corpus callosum anisotropy in young adults with fetal alcohol syndrome according to diffusion tensor imaging. <i>Alcoholism: Clinical and Experimental Research</i> , 2005 , 29, 1214-22	3.7	99
252	Investigation of the initial dip in fMRI at 7 Tesla. <i>NMR in Biomedicine</i> , 2001 , 14, 408-12	4.4	98

251	Functional magnetic resonance imaging as a management tool for cerebral arteriovenous malformations. <i>Neurosurgery</i> , 1995 , 37, 619-25; discussion 625-6	3.2	97
250	Utility of axial and radial diffusivity from diffusion tensor MRI as markers of neurodegeneration in amyotrophic lateral sclerosis. <i>Brain Research</i> , 2010 , 1348, 156-64	3.7	93
249	The evaluation of preprocessing choices in single-subject BOLD fMRI using NPAIRS performance metrics. <i>NeuroImage</i> , 2003 , 18, 10-27	7.9	88
248	Differential activity in left inferior frontal gyrus for pseudowords and real words: an event-related fMRI study on auditory lexical decision. <i>Human Brain Mapping</i> , 2005 , 25, 212-21	5.9	88
247	Advances in high-field magnetic resonance imaging. <i>Annual Review of Biomedical Engineering</i> , 2004 , 6, 157-84	12	87
246	Surface of the brain: three-dimensional MR images created with volume rendering. <i>Radiology</i> , 1989 , 171, 277-80	20.5	86
245	Mapping putative hubs in human, chimpanzee and rhesus macaque connectomes via diffusion tractography. <i>NeuroImage</i> , 2013 , 80, 462-74	7.9	83
244	A functional MRI study of high-level cognition. I. The game of chess. <i>Cognitive Brain Research</i> , 2003 , 16, 26-31		82
243	Brain white matter microstructure alterations in adolescent rhesus monkeys exposed to early life stress: associations with high cortisol during infancy. <i>Biology of Mood & Anxiety Disorders</i> , 2013 , 3, 21		81
242	Axonal fiber terminations concentrate on gyri. <i>Cerebral Cortex</i> , 2012 , 22, 2831-9	5.1	81
241	Assessing and compensating for zero-lag correlation effects in time-lagged Granger causality analysis of fMRI. <i>IEEE Transactions on Biomedical Engineering</i> , 2010 , 57, 1446-56	5	80
240	Artifact reduction in EPI with phase-encoded reference scan. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 166-71	4.4	80
239	Investigating effective brain connectivity from fMRI data: past findings and current issues with reference to Granger causality analysis. <i>Brain Connectivity</i> , 2012 , 2, 235-45	2.7	78
238	Object familiarity modulates effective connectivity during haptic shape perception. <i>NeuroImage</i> , 2010 , 49, 1991-2000	7.9	78
237	Magnetic resonance studies of brain function and neurochemistry. <i>Annual Review of Biomedical Engineering</i> , 2000 , 2, 633-60	12	78
236	Connectivity exploration with structural equation modeling: an fMRI study of bimanual motor coordination. <i>NeuroImage</i> , 2005 , 25, 462-70	7.9	77
235	Behavioral relevance of the dynamics of the functional brain connectome. <i>Brain Connectivity</i> , 2014 , 4, 741-59	2.7	76
234	Changes in resting state effective connectivity in the motor network following rehabilitation of upper extremity poststroke paresis. <i>Topics in Stroke Rehabilitation</i> , 2009 , 16, 270-81	2.6	76

233	Age-dependent brain activation during forward and backward digit recall revealed by fMRI. <i>NeuroImage</i> , 2005 , 26, 36-47	7.9	76
232	Fast interleaved echo-planar imaging with navigator: high resolution anatomic and functional images at 4 Tesla. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 895-902	4.4	76
231	The effects of connection reconstruction method on the interregional connectivity of brain networks via diffusion tractography. <i>Human Brain Mapping</i> , 2012 , 33, 1894-913	5.9	75
230	Continuous update with random encoding (CURE): a new strategy for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 326-36	4.4	75
229	Long-circulating liposomal contrast agents for magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 1023-9	4.4	74
228	Incorporation of correlated structural images in PET image reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 1994 , 13, 627-40	11.7	74
227	Simultaneous imaging of locus coeruleus and substantia nigra with a quantitative neuromelanin MRI approach. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 1301-6	3.3	71
226	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> , 2013 , 34, 2248-60	5.6	70
225	The story of the initial dip in fMRI. <i>NeuroImage</i> , 2012 , 62, 1103-8	7.9	70
224	Analysis of functional magnetic resonance imaging data using self-organizing mapping with spatial connectivity. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 939-46	4.4	69
223	Altered local coherence in the default mode network due to sevoflurane anesthesia. <i>Brain Research</i> , 2010 , 1318, 110-21	3.7	68
222	Ranking and averaging independent component analysis by reproducibility (RAICAR). <i>Human Brain Mapping</i> , 2008 , 29, 711-25	5.9	68
221	Diffusion tensor imaging reveals regional differences in the cervical spinal cord in amyotrophic lateral sclerosis. <i>NeuroImage</i> , 2010 , 53, 576-83	7.9	67
220	Memory and brain volume in adults prenatally exposed to alcohol. <i>Brain and Cognition</i> , 2011 , 75, 67-77	2.7	66
219	Reductions in interhemispheric motor cortex functional connectivity after muscle fatigue. <i>Brain Research</i> , 2005 , 1057, 10-6	3.7	65
218	Three-dimensional magnetic resonance images of the brain: application to neurosurgical planning. <i>Journal of Neurosurgery</i> , 1990 , 72, 433-40	3.2	65
217	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> , 2015 , 112, 6607-12	11.5	64
216	Simulated phase evolution rewinding (SPHERE): a technique for reducing B0 inhomogeneity effects in MR images. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 615-27	4.4	64

215	Accurate T1 determination from inversion recovery images: application to human brain at 4 Tesla. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 445-9	4.4	64
214	Posteromedial parietal cortical activity and inputs predict tactile spatial acuity. <i>Journal of Neuroscience</i> , 2007 , 27, 11091-102	6.6	63
213	Spatial dependence of the nonlinear BOLD response at short stimulus duration. <i>NeuroImage</i> , 2003 , 18, 990-1000	7.9	63
212	Voxelwise and skeleton-based region of interest analysis of fetal alcohol syndrome and fetal alcohol spectrum disorders in young adults. <i>Human Brain Mapping</i> , 2009 , 30, 3265-74	5.9	62
211	Neural processing underlying tactile microspatial discrimination in the blind: a functional magnetic resonance imaging study. <i>Journal of Vision</i> , 2008 , 8, 13.1-19	0.4	61
210	Thirsty heroin addicts show different fMRI activations when exposed to water-related and drug-related cues. <i>Drug and Alcohol Dependence</i> , 2006 , 83, 157-62	4.9	61
209	Neural correlates of visual form and visual spatial processing. <i>Human Brain Mapping</i> , 1999 , 8, 60-71	5.9	61
208	Off-resonance saturation as a means of generating contrast with superparamagnetic nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 726-32	4.4	59
207	³¹ P NMR spectroscopy of the human heart at 4 T: detection of substantially uncontaminated cardiac spectra and differentiation of subepicardium and subendocardium. <i>Magnetic Resonance in Medicine</i> , 1992 , 26, 368-76	4.4	59
206	Further evaluation of the initial negative response in functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 436-41	4.4	58
205	Dynamic brain connectivity is a better predictor of PTSD than static connectivity. <i>Human Brain Mapping</i> , 2017 , 38, 4479-4496	5.9	55
204	Asymmetric connectivity reduction and its relationship to "HAROLD" in aging brain. <i>Brain Research</i> , 2009 , 1295, 149-58	3.7	55
203	Quantitative analysis of T2-correction in single-voxel magnetic resonance spectroscopy of hepatic lipid fraction. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 629-35	5.6	55
202	A functional MRI study of high-level cognition. II. The game of GO. <i>Cognitive Brain Research</i> , 2003 , 16, 32-7		55
201	Reliability of neuroanatomical measurements in a multisite longitudinal study of youth at risk for psychosis. <i>Human Brain Mapping</i> , 2014 , 35, 2424-34	5.9	54
200	Incomplete cortical reorganization in macular degeneration 2010 , 51, 6826-34		53
199	Exploratory structural equation modeling of resting-state fMRI: applicability of group models to individual subjects. <i>NeuroImage</i> , 2009 , 45, 778-87	7.9	52
198	Grand challenges in mapping the human brain: NSF workshop report. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 2983-92	5	51

197	Recursive cluster elimination based support vector machine for disease state prediction using resting state functional and effective brain connectivity. <i>PLoS ONE</i> , 2010 , 5, e14277	3.7	51
196	Hemodynamic response function (HRF) variability confounds resting-state fMRI functional connectivity. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 1697-1713	4.4	50
195	Diffusion tensor imaging of the substantia nigra in Parkinson's disease revisited. <i>Human Brain Mapping</i> , 2016 , 37, 2547-56	5.9	50
194	Coevolution of gyral folding and structural connection patterns in primate brains. <i>Cerebral Cortex</i> , 2013 , 23, 1208-17	5.1	50
193	Simultaneous acquisition of gradient-echo and asymmetric spin-echo for single-shot z-shim: Z-SAGA. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 212-6	4.4	50
192	Reconciling variable findings of white matter integrity in major depressive disorder. <i>Neuropsychopharmacology</i> , 2014 , 39, 1332-9	8.7	49
191	Short-term visual deprivation alters neural processing of tactile form. <i>Experimental Brain Research</i> , 2005 , 166, 572-82	2.3	49
190	A multicontrast approach for comprehensive imaging of substantia nigra. <i>NeuroImage</i> , 2015 , 112, 7-13	7.9	47
189	Characterization of U-shape streamline fibers: Methods and applications. <i>Medical Image Analysis</i> , 2014 , 18, 795-807	15.4	47
188	Integrated local correlation: a new measure of local coherence in fMRI data. <i>Human Brain Mapping</i> , 2009 , 30, 13-23	5.9	47
187	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> , 2015 , 46, 17-22	16.6	45
186	Understanding specific effects of prenatal alcohol exposure on brain structure in young adults. <i>Human Brain Mapping</i> , 2012 , 33, 1663-76	5.9	45
185	Effective connectivity of the multiplication network: a functional MRI and multivariate Granger Causality Mapping study. <i>Human Brain Mapping</i> , 2011 , 32, 1419-31	5.9	45
184	An fMRI study of the interaction of stress and cocaine cues on cocaine craving in cocaine-dependent men. <i>American Journal on Addictions</i> , 2007 , 16, 174-82	3.7	44
183	Functional magnetic resonance imaging and transcranial magnetic stimulation: effects of motor imagery, movement and coil orientation. <i>Clinical Neurophysiology</i> , 2005 , 116, 1601-10	4.3	44
182	Functional MRI of brain during breath holding at 4 T. <i>Magnetic Resonance Imaging</i> , 1995 , 13, 893-7	3.3	43
181	Effects of prenatal alcohol exposure on brain activation during an arithmetic task: an fMRI study. <i>Alcoholism: Clinical and Experimental Research</i> , 2009 , 33, 1901-8	3.7	42
180	Auto-calibrated parallel spiral imaging. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 619-25	4.4	42

179	Increased "default mode" activity in adolescents prenatally exposed to cocaine. <i>Human Brain Mapping</i> , 2011 , 32, 759-70	5.9	41
178	Application of interlaced Fourier transform to echo-planar spectroscopic imaging. <i>Journal of Magnetic Resonance</i> , 1997 , 125, 166-70	3	41
177	Sources of phase changes in BOLD and CBV-weighted fMRI. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 520-7	4.4	41
176	Wavelet transform-based Wiener filtering of event-related fMRI data. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 746-57	4.4	41
175	Altered causal connectivity of resting state brain networks in amnesic MCI. <i>PLoS ONE</i> , 2014 , 9, e88476	3.7	41
174	Methods for assessing accuracy and reliability in functional MRI. <i>NMR in Biomedicine</i> , 1997 , 10, 160-4	4.4	40
173	Parkinson's disease-related increase of T2*-weighted hypointensity in substantia nigra pars compacta. <i>Movement Disorders</i> , 2017 , 32, 441-449	7	39
172	Reproducibility of locus coeruleus and substantia nigra imaging with neuromelanin sensitive MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017 , 30, 121-125	2.8	39
171	Default mode network dysfunction in adults with prenatal alcohol exposure. <i>Psychiatry Research - Neuroimaging</i> , 2011 , 194, 354-362	2.9	39
170	Iterative GRAPPA (iGRAPPA) for improved parallel imaging reconstruction. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 903-7	4.4	38
169	Prenatal cocaine exposure alters emotional arousal regulation and its effects on working memory. <i>Neurotoxicology and Teratology</i> , 2009 , 31, 342-8	3.9	37
168	Magnetic resonance spectroscopy of the cervical cord in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2011 , 12, 185-91		37
167	Algebraic reconstruction for magnetic resonance imaging under B0 inhomogeneity. <i>IEEE Transactions on Medical Imaging</i> , 1998 , 17, 362-70	11.7	37
166	Alterations in the processing of non-drug-related affective stimuli in abstinent heroin addicts. <i>NeuroImage</i> , 2010 , 49, 971-6	7.9	36
165	On the "keyhole" technique. <i>Journal of Magnetic Resonance Imaging</i> , 1994 , 4, 231	5.6	36
164	Bilateral basal ganglia activity in verbal working memory. <i>Brain and Language</i> , 2013 , 125, 316-23	2.9	35
163	Dynamic thalamus parcellation from resting-state fMRI data. <i>Human Brain Mapping</i> , 2016 , 37, 954-67	5.9	35
162	Connectomics signatures of prenatal cocaine exposure affected adolescent brains. <i>Human Brain Mapping</i> , 2013 , 34, 2494-510	5.9	34

161	Occipital-temporal Reduction and Sustained Visual Attention Deficit in Prenatal Alcohol Exposed Adults. <i>Brain Imaging and Behavior</i> , 2008 , 2, 39-48	4.1	34
160	Quantitative assessment of a framework for creating anatomical brain networks via global tractography. <i>NeuroImage</i> , 2012 , 61, 1017-30	7.9	33
159	Generalized RAICAR: discover homogeneous subject (sub)groups by reproducibility of their intrinsic connectivity networks. <i>NeuroImage</i> , 2012 , 63, 403-14	7.9	33
158	Combining features from ERP components in single-trial EEG for discriminating four-category visual objects. <i>Journal of Neural Engineering</i> , 2012 , 9, 056013	5	33
157	Cross-validation-based kernel support selection for improved GRAPPA reconstruction. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 819-25	4.4	33
156	Chimpanzee (Pan troglodytes) precentral corticospinal system asymmetry and handedness: a diffusion magnetic resonance imaging study. <i>PLoS ONE</i> , 2010 , 5, e12886	3.7	33
155	Alterations of resting-state fMRI measurements in individuals with cervical dystonia. <i>Human Brain Mapping</i> , 2017 , 38, 4098-4108	5.9	32
154	Behavioral and functional MRI study of attention shift in human verbal working memory. <i>NeuroImage</i> , 2004 , 21, 181-91	7.9	32
153	Phase synchronization in brain networks derived from correlation between probabilities of recurrences in functional MRI data. <i>International Journal of Neural Systems</i> , 2013 , 23, 1350003	6.2	31
152	Inferring functional interaction and transition patterns via dynamic Bayesian variable partition models. <i>Human Brain Mapping</i> , 2014 , 35, 3314-31	5.9	30
151	Anatomy of a live invertebrate revealed by manganese-enhanced Magnetic Resonance Imaging. <i>Journal of Experimental Biology</i> , 2004 , 207, 4543-50	3	30
150	Human hippocampal activation in the delayed matching-and nonmatching-to-sample memory tasks: An event-related functional MRI approach. <i>Behavioral Neuroscience</i> , 2002 , 116, 716-721	2.1	30
149	. <i>IEEE Transactions on Nuclear Science</i> , 1991 , 38, 687-692	1.7	30
148	New double quantum coherence filter for localized detection of glutathione in vivo. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 676-80	4.4	29
147	Memory in early adolescents born prematurely: a functional magnetic resonance imaging investigation. <i>Developmental Neuropsychology</i> , 2006 , 29, 341-77	1.8	29
146	Dentate nucleus iron deposition is a potential biomarker for tremor-dominant Parkinson's disease. <i>NMR in Biomedicine</i> , 2017 , 30, e3554	4.4	28
145	Aberrant interhemispheric homotopic functional and structural connectivity in amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017 , 88, 369-370	5.5	28
144	Truncation artifact reduction in spectroscopic imaging using a dual-density spiral k-space trajectory. <i>Magnetic Resonance Imaging</i> , 2002 , 20, 743-57	3.3	28

143	Applications of high-resolution echoplanar spectroscopic imaging for structural imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 1-7	5.6	28
142	Assessing effects of prenatal alcohol exposure using group-wise sparse representation of fMRI data. <i>Psychiatry Research - Neuroimaging</i> , 2015 , 233, 254-68	2.9	27
141	Enhancing measured diffusion anisotropy in gray matter by eliminating CSF contamination with FLAIR. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 423-7	4.4	27
140	In vivo detection of lateral-ventral tier nigral degeneration in Parkinson's disease. <i>Human Brain Mapping</i> , 2017 , 38, 2627-2634	5.9	26
139	Altered directional connectivity between emotion network and motor network in Parkinson's disease with depression. <i>Medicine (United States)</i> , 2016 , 95, e4222	1.8	26
138	A study on small-world brain functional networks altered by postherpetic neuralgia. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 359-65	3.3	26
137	Quantitative basal CBF and CBF fMRI of rhesus monkeys using three-coil continuous arterial spin labeling. <i>NeuroImage</i> , 2007 , 34, 1074-83	7.9	26
136	A new T2 preparation technique for ultrafast gradient-echo sequence. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 652-7	4.4	26
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