

Xiaoping Hu

List of Publications by Year in descending order

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314
papers

22,404
citations

6606

79
h-index

11928

134
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323
all docs

323
docs citations

323
times ranked

20883
citing authors

#	ARTICLE	IF	CITATIONS
1	A whole brain fMRI atlas generated via spatially constrained spectral clustering. <i>Human Brain Mapping</i> , 2012, 33, 1914-1928.	1.9	1,334
2	The evolution of the arcuate fasciculus revealed with comparative DTI. <i>Nature Neuroscience</i> , 2008, 11, 426-428.	7.1	773
3	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, 1195-1210.	3.8	565
4	Inflammation is associated with decreased functional connectivity within corticostriatal reward circuitry in depression. <i>Molecular Psychiatry</i> , 2016, 21, 1358-1365.	4.1	446
5	Retrospective estimation and correction of physiological fluctuation in functional MRI. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 201-212.	1.9	439
6	Imaging brain function in humans at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 588-594.	1.9	421
7	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, 453-459.	1.9	407
8	Support vector machines for temporal classification of block design fMRI data. <i>NeuroImage</i> , 2005, 26, 317-329.	2.1	343
9	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, 1019-1027.	1.9	331
10	4 T-fMRI Study of Nonspatial Shifting of Selective Attention: Cerebellar and Parietal Contributions. <i>Journal of Neurophysiology</i> , 1998, 79, 1535-1548.	0.9	317
11	Addiction related alteration in resting-state brain connectivity. <i>NeuroImage</i> , 2010, 49, 738-744.	2.1	299
12	Spin-echo fMRI in humans using high spatial resolutions and high magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 655-664.	1.9	284
13	Functionalization and peptide-based delivery of magnetic nanoparticles as an intracellular MRI contrast agent. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 706-712.	1.1	275
14	Functional magnetic resonance imaging of Broca's area during internal speech. <i>NeuroReport</i> , 1993, 4, 675-678.	0.6	263
15	Evaluation of the early response in fMRI in individual subjects using short stimulus duration. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 877-884.	1.9	248
16	Reduction of signal fluctuation in functional MRI using navigator echoes. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 495-503.	1.9	239
17	Multivariate Granger causality analysis of fMRI data. <i>Human Brain Mapping</i> , 2009, 30, 1361-1373.	1.9	237
18	Art for reward's sake: Visual art recruits the ventral striatum. <i>NeuroImage</i> , 2011, 55, 420-433.	2.1	236

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19	Respiration-induced BOLD fluctuations and their spatial distribution in the human brain at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 888-895.	1.9	225
20	Real-time fMRI using brain-state classification. <i>Human Brain Mapping</i> , 2007, 28, 1033-1044.	1.9	224
21	Potential pitfalls of functional MRI using conventional gradient-recalled echo techniques. <i>NMR in Biomedicine</i> , 1994, 7, 69-74.	1.6	218
22	Coating thickness of magnetic iron oxide nanoparticles affects R_2^* relaxivity. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1634-1641.	1.9	214
23	Correction of physiologically induced global off-resonance effects in dynamic echo-planar and spiral functional imaging. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 344-353.	1.9	212
24	Functional connectivity changes with concentration of sevoflurane anesthesia. <i>NeuroReport</i> , 2005, 16, 285-288.	0.6	212
25	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, 507-518.	2.7	204
26	Conceptual convergence: increased inflammation is associated with increased basal ganglia glutamate in patients with major depression. <i>Molecular Psychiatry</i> , 2016, 21, 1351-1357.	4.1	201
27	Reproducibility of fMRI Results across Four Institutions Using a Spatial Working Memory Task. <i>NeuroImage</i> , 1998, 8, 249-261.	2.1	198
28	Instantaneous and causal connectivity in resting state brain networks derived from functional MRI data. <i>NeuroImage</i> , 2011, 54, 1043-1052.	2.1	180
29	BOLD study of stimulation-induced neural activity and resting-state connectivity in medetomidine-sedated rat. <i>NeuroImage</i> , 2008, 39, 248-260.	2.1	179
30	SLIM: Spectral localization by imaging. <i>Magnetic Resonance in Medicine</i> , 1988, 8, 314-322.	1.9	177
31	The nature of spatiotemporal changes in cerebral hemodynamics as manifested in functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 511-518.	1.9	172
32	MagA is sufficient for producing magnetic nanoparticles in mammalian cells, making it an MRI reporter. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 1225-1231.	1.9	171
33	Effect of hemodynamic variability on Granger causality analysis of fMRI. <i>NeuroImage</i> , 2010, 52, 884-896.	2.1	169
34	Effective connectivity during haptic perception: A study using Granger causality analysis of functional magnetic resonance imaging data. <i>NeuroImage</i> , 2008, 40, 1807-1814.	2.1	167
35	Comparison of \pm -chloralose, medetomidine and isoflurane anesthesia for functional connectivity mapping in the rat. <i>Magnetic Resonance Imaging</i> , 2010, 28, 995-1003.	1.0	156
36	High-resolution, spin-echo BOLD, and CBF fMRI at 4 and 7 T. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 589-593.	1.9	145

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37	Activity and effective connectivity of parietal and occipital cortical regions during haptic shape perception. <i>Neuropsychologia</i> , 2007, 45, 476-483.	0.7	145
38	The brain: integrated three-dimensional display of MR and PET images.. <i>Radiology</i> , 1989, 172, 783-789.	3.6	143
39	Dual pathways for haptic and visual perception of spatial and texture information. <i>NeuroImage</i> , 2011, 57, 462-475.	2.1	143
40	Measurement of Hepatic Lipid: High-Speed T2-Corrected Multiecho Acquisition at >1 H MR Spectroscopy—A Rapid and Accurate Technique. <i>Radiology</i> , 2009, 252, 568-576.	3.6	142
41	Dynamic functional connectomics signatures for characterization and differentiation of PTSD patients. <i>Human Brain Mapping</i> , 2014, 35, 1761-1778.	1.9	135
42	Zoomed Functional Imaging in the Human Brain at 7 Tesla with Simultaneous High Spatial and High Temporal Resolution. <i>NeuroImage</i> , 2002, 17, 272-286.	2.1	134
43	IFN-Alpha-Induced Cortical and Subcortical Glutamate Changes Assessed by Magnetic Resonance Spectroscopy. <i>Neuropsychopharmacology</i> , 2014, 39, 1777-1785.	2.8	130
44	fMRI revealed neural substrate for reversible working memory dysfunction in subclinical hypothyroidism. <i>Brain</i> , 2006, 129, 2923-2930.	3.7	129
45	Abnormal Brain Default-Mode Network Functional Connectivity in Drug Addicts. <i>PLoS ONE</i> , 2011, 6, e16560.	1.1	127
46	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, 290-298.	1.9	126
47	Investigating Effective Brain Connectivity from fMRI Data: Past Findings and Current Issues with Reference to Granger Causality Analysis. <i>Brain Connectivity</i> , 2012, 2, 235-245.	0.8	124
48	Activation and Effective Connectivity Changes Following Explicit-Memory Training for Face-Name Pairs in Patients With Mild Cognitive Impairment. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 210-222.	1.4	122
49	Tactile discrimination of grating orientation: fMRI activation patterns. <i>Human Brain Mapping</i> , 2005, 25, 370-377.	1.9	120
50	Perfusion-based high-resolution functional imaging in the human brain at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 903-911.	1.9	117
51	Axonal Fiber Terminations Concentrate on Gyri. <i>Cerebral Cortex</i> , 2012, 22, 2831-2839.	1.6	116
52	Reduction of field of view for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 691-694.	1.9	115
53	Simultaneous imaging of locus coeruleus and substantia nigra with a quantitative neuromelanin MRI approach. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1301-1306.	1.0	115
54	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, 1214-1222.	1.4	113

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55	Rational Design of Protein-Based MRI Contrast Agents. <i>Journal of the American Chemical Society</i> , 2008, 130, 9260-9267.	6.6	111
56	A functional MRI study of high-level cognition. I. The game of chess. <i>Cognitive Brain Research</i> , 2003, 16, 26-31.	3.3	110
57	Functional Magnetic Resonance Imaging as a Management Tool for Cerebral Arteriovenous Malformations. <i>Neurosurgery</i> , 1995, 37, 619-626.	0.6	108
58	Investigation of the initial dip in fMRI at 7 Tesla. <i>NMR in Biomedicine</i> , 2001, 14, 408-412.	1.6	108
59	The Evaluation of Preprocessing Choices in Single-Subject BOLD fMRI Using NPAIRS Performance Metrics. <i>NeuroImage</i> , 2003, 18, 10-27.	2.1	105
60	Utility of axial and radial diffusivity from diffusion tensor MRI as markers of neurodegeneration in amyotrophic lateral sclerosis. <i>Brain Research</i> , 2010, 1348, 156-164.	1.1	105
61	Behavioral Relevance of the Dynamics of the Functional Brain Connectome. <i>Brain Connectivity</i> , 2014, 4, 741-759.	0.8	105
62	Incorporation of correlated structural images in PET image reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 1994, 13, 627-640.	5.4	104
63	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, 212-221.	1.9	103
64	Dynamic brain connectivity is a better predictor of PTSD than static connectivity. <i>Human Brain Mapping</i> , 2017, 38, 4479-4496.	1.9	102
65	Surface of the brain: three-dimensional MR images created with volume rendering. <i>Radiology</i> , 1989, 171, 277-280.	3.6	101
66	Advances in High-Field Magnetic Resonance Imaging. <i>Annual Review of Biomedical Engineering</i> , 2004, 6, 157-184.	5.7	101
67	Hemodynamic response function (HRF) variability confounds resting-state fMRI functional connectivity. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1697-1713.	1.9	101
68	Age-dependent brain activation during forward and backward digit recall revealed by fMRI. <i>NeuroImage</i> , 2005, 26, 36-47.	2.1	100
69	Mapping putative hubs in human, chimpanzee and rhesus macaque connectomes via diffusion tractography. <i>NeuroImage</i> , 2013, 80, 462-474.	2.1	94
70	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.	4.7	93
71	Artifact reduction in EPI with phase-encoded reference scan. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 166-171.	1.9	92
72	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, 2248-2260.	1.5	92

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73	Connectivity exploration with structural equation modeling: an fMRI study of bimanual motor coordination. <i>NeuroImage</i> , 2005, 25, 462-470.	2.1	89
74	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, 270-281.	1.0	89
75	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, 1446-1456.	2.5	89
76	Object familiarity modulates effective connectivity during haptic shape perception. <i>NeuroImage</i> , 2010, 49, 1991-2000.	2.1	89
77	The effects of connection reconstruction method on the interregional connectivity of brain networks via diffusion tractography. <i>Human Brain Mapping</i> , 2012, 33, 1894-1913.	1.9	88
78	Analysis of functional magnetic resonance imaging data using self-organizing mapping with spatial connectivity. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 939-946.	1.9	87
79	Ranking and averaging independent component analysis by reproducibility (RAICAR). <i>Human Brain Mapping</i> , 2008, 29, 711-725.	1.9	85
80	The story of the initial dip in fMRI. <i>NeuroImage</i> , 2012, 62, 1103-1108.	2.1	85
81	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.	1.9	84
82	Magnetic Resonance Studies of Brain Function and Neurochemistry. <i>Annual Review of Biomedical Engineering</i> , 2000, 2, 633-660.	5.7	84
83	Posteromedial Parietal Cortical Activity and Inputs Predict Tactile Spatial Acuity. <i>Journal of Neuroscience</i> , 2007, 27, 11091-11102.	1.7	84
84	Altered local coherence in the default mode network due to sevoflurane anesthesia. <i>Brain Research</i> , 2010, 1318, 110-121.	1.1	84
85	Continuous Update with Random Encoding (CURE): A New Strategy for Dynamic Imaging. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 326-336.	1.9	83
86	Three-dimensional magnetic resonance images of the brain: application to neurosurgical planning. <i>Journal of Neurosurgery</i> , 1990, 72, 433-440.	0.9	79
87	Long-circulating liposomal contrast agents for magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1023-1029.	1.9	79
88	Memory and brain volume in adults prenatally exposed to alcohol. <i>Brain and Cognition</i> , 2011, 75, 67-77.	0.8	79
89	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, 6607-6612.	3.3	78
90	Diffusion tensor imaging reveals regional differences in the cervical spinal cord in amyotrophic lateral sclerosis. <i>NeuroImage</i> , 2010, 53, 576-583.	2.1	77

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91	Integrated local correlation: A new measure of local coherence in fMRI data. <i>Human Brain Mapping</i> , 2009, 30, 13-23.	1.9	76
92	Reliability of neuroanatomical measurements in a multisite longitudinal study of youth at risk for psychosis. <i>Human Brain Mapping</i> , 2014, 35, 2424-2434.	1.9	76
93	Coevolution of Gyral Folding and Structural Connection Patterns in Primate Brains. <i>Cerebral Cortex</i> , 2013, 23, 1208-1217.	1.6	74
94	Spatial dependence of the nonlinear BOLD response at short stimulus duration. <i>NeuroImage</i> , 2003, 18, 990-1000.	2.1	73
95	Simulated phase evolution rewinding (SPHERE): A technique for reducing B0 inhomogeneity effects in MR images. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 615-627.	1.9	72
96	Reductions in interhemispheric motor cortex functional connectivity after muscle fatigue. <i>Brain Research</i> , 2005, 1057, 10-16.	1.1	72
97	A functional MRI study of high-level cognition. <i>Cognitive Brain Research</i> , 2003, 16, 32-37.	3.3	71
98	Neural processing underlying tactile microspatial discrimination in the blind: A functional magnetic resonance imaging study. <i>Journal of Vision</i> , 2008, 8, 13-13.	0.1	70
99	Off-resonance saturation as a means of generating contrast with superparamagnetic nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 726-732.	1.9	68
100	Neural correlates of visual form and visual spatial processing. <i>Human Brain Mapping</i> , 1999, 8, 60-71.	1.9	67
101	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, 3265-3274.	1.9	67
102	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.	1.1	67
103	Asymmetric connectivity reduction and its relationship to "HAROLD" in aging brain. <i>Brain Research</i> , 2009, 1295, 149-158.	1.1	66
104	A multicontrast approach for comprehensive imaging of substantia nigra. <i>NeuroImage</i> , 2015, 112, 7-13.	2.1	66
105	Diffusion tensor imaging of the substantia nigra in Parkinson's disease revisited. <i>Human Brain Mapping</i> , 2016, 37, 2547-2556.	1.9	66
106	Accurate T1 determination from inversion recovery images: Application to human brain at 4 Tesla. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 445-449.	1.9	65
107	Thirsty heroin addicts show different fMRI activations when exposed to water-related and drug-related cues. <i>Drug and Alcohol Dependence</i> , 2006, 83, 157-162.	1.6	65
108	Characterization of U-shape streamline fibers: Methods and applications. <i>Medical Image Analysis</i> , 2014, 18, 795-807.	7.0	65

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109	Further evaluation of the initial negative response in functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 436-441.	1.9	64
110	Quantitative analysis of T2* correction in single-voxel magnetic resonance spectroscopy of hepatic lipid fraction. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 629-635.	1.9	64
111	Grand Challenges in Mapping the Human Brain: NSF Workshop Report. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 2983-2992.	2.5	62
112	31P 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, 368-376.	1.9	61
113	Parkinson's disease-related increase of T2-weighted hypointensity in substantia nigra pars compacta. <i>Movement Disorders</i> , 2017, 32, 441-449.	2.2	61
114	Short-term visual deprivation alters neural processing of tactile form. <i>Experimental Brain Research</i> , 2005, 166, 572-582.	0.7	58
115	Exploratory structural equation modeling of resting-state fMRI: Applicability of group models to individual subjects. <i>NeuroImage</i> , 2009, 45, 778-787.	2.1	58
116	Combining features from ERP components in single-trial EEG for discriminating four-category visual objects. <i>Journal of Neural Engineering</i> , 2012, 9, 056013.	1.8	58
117	Incomplete Cortical Reorganization in Macular Degeneration. , 2010, 51, 6826.		57
118	Reconciling Variable Findings of White Matter Integrity in Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2014, 39, 1332-1339.	2.8	57
119	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.	1.1	57
120	Understanding specific effects of prenatal alcohol exposure on brain structure in young adults. <i>Human Brain Mapping</i> , 2012, 33, 1663-1676.	1.9	56
121	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.	2.0	56
122	Simultaneous acquisition of gradient-echo and asymmetric spin-echo for single-shot z-shim: Z-SAGA. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 212-216.	1.9	52
123	Functional magnetic resonance imaging and transcranial magnetic stimulation: Effects of motor imagery, movement and coil orientation. <i>Clinical Neurophysiology</i> , 2005, 116, 1601-1610.	0.7	52
124	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, 174-182.	1.3	51
125	Effective connectivity of the multiplication network: A functional MRI and multivariate granger causality mapping study. <i>Human Brain Mapping</i> , 2011, 32, 1419-1431.	1.9	51
126	Wavelet transform-based Wiener filtering of event-related fMRI data. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 746-757.	1.9	49

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127	Default mode network dysfunction in adults with prenatal alcohol exposure. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 354-362.	0.9	49
128	Dynamic thalamus parcellation from resting-state fMRI data. <i>Human Brain Mapping</i> , 2016, 37, 954-967.	1.9	49
129	Algebraic reconstruction for magnetic resonance imaging under B/sub 0/ inhomogeneity. <i>IEEE Transactions on Medical Imaging</i> , 1998, 17, 362-370.	5.4	48
130	Effects of Prenatal Alcohol Exposure on Brain Activation During an Arithmetic Task: An fMRI Study. <i>Alcoholism: Clinical and Experimental Research</i> , 2009, 33, 1901-1908.	1.4	48
131	Altered Causal Connectivity of Resting State Brain Networks in Amnesic MCI. <i>PLoS ONE</i> , 2014, 9, e88476.	1.1	48
132	Functional MRI of brain during breath holding at 4 T. <i>Magnetic Resonance Imaging</i> , 1995, 13, 893-897.	1.0	47
133	Auto-calibrated parallel spiral imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 619-625.	1.9	47
134	Magnetic resonance spectroscopy of the cervical cord in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2011, 12, 185-191.	2.3	47
135	<i>In vivo</i> detection of lateral-ventral tier nigral degeneration in Parkinson's disease. <i>Human Brain Mapping</i> , 2017, 38, 2627-2634.	1.9	47
136	Bilateral basal ganglia activity in verbal working memory. <i>Brain and Language</i> , 2013, 125, 316-323.	0.8	46
137	Iterative GRAPPA (iGRAPPA) for improved parallel imaging reconstruction. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 903-907.	1.9	45
138	Alterations of resting-state fMRI measurements in individuals with cervical dystonia. <i>Human Brain Mapping</i> , 2017, 38, 4098-4108.	1.9	45
139	Sources of phase changes in BOLD and CBV-weighted fMRI. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 520-527.	1.9	44
140	Increased "default mode" activity in adolescents prenatally exposed to cocaine. <i>Human Brain Mapping</i> , 2011, 32, 759-770.	1.9	44
141	Application of Interlaced Fourier Transform to Echo-Planar Spectroscopic Imaging. <i>Journal of Magnetic Resonance</i> , 1997, 125, 166-170.	1.2	43
142	Alterations in the processing of non-drug-related affective stimuli in abstinent heroin addicts. <i>NeuroImage</i> , 2010, 49, 971-976.	2.1	43
143	Methods for assessing accuracy and reliability in functional MRI. , 1997, 10, 160-164.		42
144	Occipital-temporal Reduction and Sustained Visual Attention Deficit in Prenatal Alcohol Exposed Adults. <i>Brain Imaging and Behavior</i> , 2008, 2, 39-48.	1.1	42

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145	Dentate nucleus iron deposition is a potential biomarker for tremorâ€dominant Parkinson's disease. NMR in Biomedicine, 2017, 30, e3554.	1.6	42
146	On the â€keyholeâ€technique. Journal of Magnetic Resonance Imaging, 1994, 4, 231-231.	1.9	41
147	Generalized RAICAR: Discover homogeneous subject (sub)groups by reproducibility of their intrinsic connectivity networks. NeuroImage, 2012, 63, 403-414.	2.1	41
148	Spatiotemporal Modeling of Brain Dynamics Using Resting-State Functional Magnetic Resonance Imaging with Gaussian Hidden Markov Model. Brain Connectivity, 2016, 6, 326-334.	0.8	40
149	Reproducible detection of nigral iron deposition in 2 Parkinson's disease cohorts. Movement Disorders, 2019, 34, 416-419.	2.2	40
150	Sensor fusion in image reconstruction. IEEE Transactions on Nuclear Science, 1991, 38, 687-692.	1.2	39
151	Cross-validation-based kernel support selection for improved GRAPPA reconstruction. Magnetic Resonance in Medicine, 2008, 59, 819-825.	1.9	39
152	Connectomics signatures of prenatal cocaine exposure affected adolescent brains. Human Brain Mapping, 2013, 34, 2494-2510.	1.9	39
153	PHASE SYNCHRONIZATION IN BRAIN NETWORKS DERIVED FROM CORRELATION BETWEEN PROBABILITIES OF RECURRENCES IN FUNCTIONAL MRI DATA. International Journal of Neural Systems, 2013, 23, 1350003.	3.2	39
154	Prenatal cocaine exposure alters emotional arousal regulation and its effects on working memory. Neurotoxicology and Teratology, 2009, 31, 342-348.	1.2	38
155	Aberrant interhemispheric homotopic functional and structural connectivity in amyotrophic lateral sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 369.1-370.	0.9	38
156	Quantitative assessment of a framework for creating anatomical brain networks via global tractography. NeuroImage, 2012, 61, 1017-1030.	2.1	37
157	Anisotropic 2-D and 3-D averaging of fMRI signals. IEEE Transactions on Medical Imaging, 2001, 20, 86-93.	5.4	36
158	Human hippocampal activation in the delayed matching-and nonmatching-to-sample memory tasks: An event-related functional MRI approach.. Behavioral Neuroscience, 2002, 116, 716-721.	0.6	36
159	Behavioral and functional MRI study of attention shift in human verbal working memory. NeuroImage, 2004, 21, 181-191.	2.1	36
160	Applications of high-resolution echoplanar spectroscopic imaging for structural imaging. Journal of Magnetic Resonance Imaging, 1999, 10, 1-7.	1.9	35
161	Maternal buffering beyond glucocorticoids: impact of early life stress on corticolimbic circuits that control infant responses to novelty. Social Neuroscience, 2017, 12, 50-64.	0.7	35
162	Denser Growing Fiber Connections Induce 3-hinge Gyral Folding. Cerebral Cortex, 2018, 28, 1064-1075.	1.6	35

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163	Anatomy of a live invertebrate revealed by manganese-enhanced Magnetic Resonance Imaging. <i>Journal of Experimental Biology</i> , 2004, 207, 4543-4550.	0.8	34
164	Inferring functional interaction and transition patterns via dynamic bayesian variable partition models. <i>Human Brain Mapping</i> , 2014, 35, 3314-3331.	1.9	34
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