

Martin J Mckeown

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.

204
papers

9,035
citations

37
h-index

93
g-index

240
ext. papers

10,613
ext. citations

4.9
avg, IF

5.9
L-index

#	Paper	IF	Citations
204	Toward Open-World Electroencephalogram Decoding Via Deep Learning: A comprehensive survey. <i>IEEE Signal Processing Magazine</i> , 2022 , 39, 117-134	9.4	7
203	Sleep staging using semi-supervised clustering of EEG: Application to REM sleep behavior disorder. <i>Biomedical Signal Processing and Control</i> , 2022 , 75, 103539	4.9	0
202	Deep Transfer Learning for Parkinson's Disease Monitoring by Image-Based Representation of Resting-State EEG Using Directional Connectivity. <i>Algorithms</i> , 2022 , 15, 5	1.8	1
201	Galvanic Vestibular Stimulation Effects on EEG Biomarkers of Motor Vigor in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2021 , 12, 759149	4.1	1
200	Seed-based dual regression: An illustration of the impact of dual regression's inherent filtering of global signal. <i>Journal of Neuroscience Methods</i> , 2021 , 366, 109410	3	
199	Impaired Formation and Expression of Goal-Directed and Habitual Control in Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 734807	5.3	0
198	Characterizing the cortical pathways underlying visual trigger induced urinary urgency incontinence by functional MRI. <i>Neurology and Urodynamics</i> , 2021 ,	2.3	1
197	Frequency-Specific Effects of Galvanic Vestibular Stimulation on Response-Time Performance in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2021 , 12, 758122	4.1	0
196	Current perspectives on galvanic vestibular stimulation in the treatment of Parkinson's disease. <i>Expert Review of Neurotherapeutics</i> , 2021 , 21, 405-418	4.3	5
195	Expediting telehealth use in clinical research studies: recommendations for overcoming barriers in North America. <i>Npj Parkinsons Disease</i> , 2021 , 7, 34	9.7	5
194	Galvanic Vestibular Stimulation Improves Subnetwork Interactions in Parkinson's Disease. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 6632394	3.7	1
193	A Deep Learning Strategy for Automatic Sleep Staging Based on Two-Channel EEG Headband Data. <i>Sensors</i> , 2021 , 21,	3.8	6
192	Galvanic Vestibular Stimulation: Data Analysis and Applications in Neurorehabilitation. <i>IEEE Signal Processing Magazine</i> , 2021 , 38, 54-64	9.4	1
191	Serotonergic System Impacts Levodopa Response in Early Parkinson's and Future Risk of Dyskinesia. <i>Movement Disorders</i> , 2021 , 36, 389-397	7	6
190	Semi-dilated convolutional neural networks for epileptic seizure prediction. <i>Neural Networks</i> , 2021 , 139, 212-222	9.1	7
189	Striatal Subdivisions Estimated via Deep Embedded Clustering With Application to Parkinson's Disease. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 3564-3575	7.2	2
188	A convolutional-recurrent neural network approach to resting-state EEG classification in Parkinson's disease. <i>Journal of Neuroscience Methods</i> , 2021 , 361, 109282	3	7

187	Eye movement deficits in Parkinson's patients are compensated during go/no-go manual interceptions. <i>Journal of Vision</i> , 2021 , 21, 2869	0.4	
186	Small P values may not yield robust findings: an example using REST-meta-PD. <i>Science Bulletin</i> , 2021 , 66, 2148-2152	10.6	5
185	Brain connectivity during simulated balance in older adults with and without Parkinson's disease. <i>NeuroImage: Clinical</i> , 2021 , 30, 102676	5.3	1
184	Both Stationary and Dynamic Functional Interhemispheric Connectivity Are Strongly Associated With Performance on Cognitive Tests in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020 , 11, 407	4.1	2
183	Novel data-driven, equation-free method captures spatio-temporal patterns of neurodegeneration in Parkinson's disease: Application of dynamic mode decomposition to PET. <i>NeuroImage: Clinical</i> , 2020 , 25, 102150	5.3	0
182	Novel Regional Activity Representation With Constrained Canonical Correlation Analysis for Brain Connectivity Network Estimation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2363-2373	11.7	2
181	Parkinson's Disease Detection from fMRI-Derived Brainstem Regional Functional Connectivity Networks. <i>Lecture Notes in Computer Science</i> , 2020 , 33-43	0.9	0
180	Inherent spatial structure in myelin water fraction maps. <i>Magnetic Resonance Imaging</i> , 2020 , 67, 33-42	3.3	3
179	The Effects of Music-Contingent Gait Training on Cognition and Mood in Parkinson Disease: A Feasibility Study. <i>Neurorehabilitation and Neural Repair</i> , 2020 , 34, 82-92	4.7	8
178	Repetitive transcranial magnetic stimulation improves Parkinson's freezing of gait via normalizing brain connectivity. <i>Npj Parkinsons Disease</i> , 2020 , 6, 16	9.7	10
177	Structural Network Analysis Using Diffusion MRI Tractography in Parkinson's Disease and Correlations With Motor Impairment. <i>Frontiers in Neurology</i> , 2020 , 11, 841	4.1	4
176	ReMAE: User-Friendly Toolbox for Removing Muscle Artifacts From EEG. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 2105-2119	5.2	19
175	Dopamine replacement remediates risk aversion in Parkinson's disease in a value-independent manner. <i>Parkinsonism and Related Disorders</i> , 2019 , 66, 189-194	3.6	0
174	A Novel MRI Compatible Balance Simulator to Detect Postural Instability in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2019 , 10, 922	4.1	6
173	Omission of temporal nuisance regressors from dual regression can improve accuracy of fMRI functional connectivity maps. <i>Human Brain Mapping</i> , 2019 , 40, 4005-4025	5.9	2
172	Joint pattern analysis applied to PET DAT and VMAT2 imaging reveals new insights into Parkinson's disease induced presynaptic alterations. <i>NeuroImage: Clinical</i> , 2019 , 23, 101856	5.3	14
171	Abnormal Phase Coupling in Parkinson's Disease and Normalization Effects of Subthreshold Vestibular Stimulation. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 118	3.3	12
170	Removal of Muscle Artifacts From the EEG: A Review and Recommendations. <i>IEEE Sensors Journal</i> , 2019 , 19, 5353-5368	4	29

169	CamType: assistive text entry using gaze with an off-the-shelf webcam. <i>Machine Vision and Applications</i> , 2019 , 30, 407-421	2.8	3
168	Controlling a motorized orthosis to follow elbow volitional movement: tests with individuals with pathological tremor. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019 , 16, 23	5.3	7
167	Removal of High-Voltage Brain Stimulation Artifacts From Simultaneous EEG Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 50-60	5	17
166	Data fusion detects consistent relations between non-lesional white matter myelin, executive function, and clinical characteristics in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2019 , 24, 101926	5.3	4
165	Altered EEG alpha and theta oscillations characterize apathy in Parkinson's disease during incentivized movement. <i>NeuroImage: Clinical</i> , 2019 , 23, 101922	5.3	3
164	Exercise increases caudate dopamine release and ventral striatal activation in Parkinson's disease. <i>Movement Disorders</i> , 2019 , 34, 1891-1900	7	41
163	High-frequency rTMS over the supplementary motor area improves freezing of gait in Parkinson's disease: a randomized controlled trial. <i>Parkinsonism and Related Disorders</i> , 2019 , 68, 85-90	3.6	20
162	Functional Data and Long Short-Term Memory Networks for Diagnosis of Parkinson's Disease. <i>Lecture Notes in Computer Science</i> , 2019 , 655-663	0.9	
161	A Deep Convolutional-Recurrent Neural Network Architecture for Parkinson's Disease EEG Classification 2019 ,		3
160	Parcellation of functional sub-regions from fMRI: A graph clustering based approach. <i>Biomedical Signal Processing and Control</i> , 2019 , 49, 181-191	4.9	2
159	White matter myelin profiles linked to clinical subtypes of Parkinson's disease. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 164-174	5.6	7
158	Movement Based Classification of People with Stroke Through Automated Analysis of Three-Dimensional Motion Data. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 520-533	0.4	
157	Dynamic Graph Theoretical Analysis of Functional Connectivity in Parkinson's Disease: The Importance of Fiedler Value. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 1720-1729	7.2	21
156	The Use of Multivariate EMD and CCA for Denoising Muscle Artifacts From Few-Channel EEG Recordings. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018 , 67, 359-370	5.2	90
155	The effect of LRRK2 mutations on the cholinergic system in manifest and premanifest stages of Parkinson's disease: a cross-sectional PET study. <i>Lancet Neurology</i> , 2018 , 17, 309-316	24.1	35
154	Subthreshold stochastic vestibular stimulation induces complex multi-planar effects during standing in Parkinson's disease. <i>Brain Stimulation</i> , 2018 , 11, 1180-1182	5.1	6
153	Cognitive Profiles and Hub Vulnerability in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018 , 9, 482	4.1	23
152	Galvanic Vestibular Stimulation (GVS) Augments Deficient Pedunculo-pontine Nucleus (PPN) Connectivity in Mild Parkinson's Disease: fMRI Effects of Different Stimuli. <i>Frontiers in Neuroscience</i> , 2018 , 12, 101	5.1	16

151	Reinforcement contingencies affect pursuit target selection in healthy and Parkinson's disease participants. <i>Journal of Vision</i> , 2018 , 18, 599	0.4	
150	Pumpkin Garden: A Mobile Game Platform for Monitoring Parkinson's Disease Symptoms. <i>Lecture Notes in Computer Science</i> , 2018 , 546-560	0.9	3
149	Education, and the balance between dynamic and stationary functional connectivity jointly support executive functions in relapsing-remitting multiple sclerosis. <i>Human Brain Mapping</i> , 2018 , 39, 5039-5049	5.9	21
148	Decreased subregional specificity of the putamen in Parkinson's Disease revealed by dynamic connectivity-derived parcellation. <i>NeuroImage: Clinical</i> , 2018 , 20, 1163-1175	5.3	8
147	Habitual exercisers versus sedentary subjects with Parkinson's Disease: Multimodal PET and fMRI study. <i>Movement Disorders</i> , 2018 , 33, 1945-1950	7	18
146	Differentiating cognitive or motor dimensions associated with the perception of fall-related self-efficacy in Parkinson's disease. <i>Npj Parkinsons Disease</i> , 2018 , 4, 26	9.7	6
145	Investigation of serotonergic Parkinson's disease-related covariance pattern using [C]-DASB/PET. <i>NeuroImage: Clinical</i> , 2018 , 19, 652-660	5.3	18
144	Gender differences in Parkinson's disease depression. <i>Parkinsonism and Related Disorders</i> , 2017 , 36, 93-97	3.6	21
143	Cognitive Performance in Subjects With Multiple Sclerosis Is Robustly Influenced by Gender in Canonical-Correlation Analysis. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2017 , 29, 119-127	2.7	8
142	The role of high-field magnetic resonance imaging in parkinsonian disorders: Pushing the boundaries forward. <i>Movement Disorders</i> , 2017 , 32, 510-525	7	65
141	Simultaneous ocular and muscle artifact removal from EEG data by exploiting diverse statistics. <i>Computers in Biology and Medicine</i> , 2017 , 88, 1-10	7	29
140	3D CNN Based Automatic Diagnosis of Attention Deficit Hyperactivity Disorder Using Functional and Structural MRI. <i>IEEE Access</i> , 2017 , 5, 23626-23636	3.5	128
139	Galvanic Vestibular Stimulation (GVS) effects on impaired interhemispheric connectivity in Parkinson's Disease. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 2109-2113	0.9	5
138	Deep learning based automatic diagnoses of attention deficit hyperactive disorder 2017 ,		7
137	Brain Connectivity Assessed with Functional MRI 2017 , 593-618		
136	A Combined Static and Dynamic Model for Resting-State Brain Connectivity Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2016 , 10, 1172-1181	7.5	4
135	Movement disorders. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2016 , 136, 957-69	3	10
134	Connectivity-based parcellation of functional SubROIs in putamen using a sparse spatially regularized regression model. <i>Biomedical Signal Processing and Control</i> , 2016 , 27, 174-183	4.9	3

133	Removing Muscle Artifacts From EEG Data: Multichannel or Single-Channel Techniques?. <i>IEEE Sensors Journal</i> , 2016 , 16, 1986-1997	4	72
132	Feasibility Analysis of Eye Typing with a Standard Webcam. <i>Lecture Notes in Computer Science</i> , 2016 , 254-268	0.9	1
131	Visual Contrast Sensitivity in Early-Stage Parkinson's Disease 2016 , 57, 5696-5704		16
130	Robust Eye-Based Dwell-Free Typing. <i>International Journal of Human-Computer Interaction</i> , 2016 , 32, 682-694	3.6	6
129	Joint Blind Source Separation for Neurophysiological Data Analysis: Multiset and multimodal methods. <i>IEEE Signal Processing Magazine</i> , 2016 , 33, 86-107	9.4	61
128	DCTN1 p.K56R in progressive supranuclear palsy. <i>Parkinsonism and Related Disorders</i> , 2016 , 28, 56-61	3.6	24
127	Plantar cutaneous function in Parkinson's disease patients ON and OFF L-dopa. <i>Neuroscience Letters</i> , 2016 , 629, 251-255	3.3	3
126	DNAJC13 genetic variants in parkinsonism. <i>Movement Disorders</i> , 2015 , 30, 273-8	7	32
125	Novel LRRK2 mutations in Parkinsonism. <i>Parkinsonism and Related Disorders</i> , 2015 , 21, 1119-21	3.6	6
124	Synergistic effects of noisy galvanic vestibular stimulation and oral L-dopa in improving manual tracking performance in Parkinson's disease. <i>Brain Stimulation</i> , 2015 , 8, 368	5.1	1
123	Feasibility analysis and adaptive thresholding for mobile applications controlled by EEG signals 2015 ,		2
122	Detection of manual tracking submovements in Parkinson's disease through hybrid optimization. <i>IFAC-PapersOnLine</i> , 2015 , 48, 291-297	0.7	1
121	Genetic variability of the retromer cargo recognition complex in parkinsonism. <i>Movement Disorders</i> , 2015 , 30, 580-4	7	20
120	Morphological alterations in the caudate, putamen, pallidum, and thalamus in Parkinson's disease. <i>Frontiers in Neuroscience</i> , 2015 , 9, 101	5.1	38
119	Multifaceted effects of noisy galvanic vestibular stimulation on manual tracking behavior in Parkinson's disease. <i>Frontiers in Systems Neuroscience</i> , 2015 , 9, 5	3.5	22
118	2015 ,		1
117	Automatic Sleep Arousal Detection Based on C-ELM 2015 ,		3
116	A sticky weighted regression model for time-varying resting-state brain connectivity estimation. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 501-510	5	17

115	An EEMD-IVA framework for concurrent multidimensional EEG and unidimensional kinematic data analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 2187-98	5	19
114	A genetically informed, group fMRI connectivity modeling approach: application to schizophrenia. <i>IEEE Transactions on Biomedical Engineering</i> , 2014 , 61, 946-56	5	10
113	A fuzzy logic based Parkinson's Disease risk predictor 2014 ,		6
112	A three-step multimodal analysis framework for modeling corticomuscular activity with application to Parkinson's disease. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014 , 18, 1232-41	7.2	12
111	Analysis of visually guided tracking performance in Parkinson's disease 2014 ,		1
110	Excessive Sensitivity to Uncertain Visual Input in L-DOPA-Induced Dyskinesias in Parkinson's Disease: Further Implications for Cerebellar Involvement. <i>Frontiers in Neurology</i> , 2014 , 5, 8	4.1	6
109	An IC-PLS framework for group corticomuscular coupling analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 2022-33	5	16
108	Decisions under risk in Parkinson's disease: preserved evaluation of probability and magnitude. <i>Neuropsychologia</i> , 2013 , 51, 2679-89	3.2	8
107	Novel spatial analysis method for PET images using 3D moment invariants: applications to Parkinson's disease. <i>NeuroImage</i> , 2013 , 68, 11-21	7.9	15
106	The role of the cerebellum in the pathophysiology of Parkinson's disease. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 299-306	1	37
105	Parkinson's disease rigidity: relation to brain connectivity and motor performance. <i>Frontiers in Neurology</i> , 2013 , 4, 67	4.1	30
104	Noisy galvanic vestibular stimulation modulates the amplitude of EEG synchrony patterns. <i>PLoS ONE</i> , 2013 , 8, e69055	3.7	39
103	Group replicator dynamics: a novel group-wise evolutionary approach for sparse brain network detection. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 576-85	11.7	11
102	Shrinkage-to-Tapering Estimation of Large Covariance Matrices. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 5640-5656	4.8	25
101	An FDR-controlled, exploratory group modeling for assessing brain connectivity 2012 ,		1
100	A tridirectional method for corticomuscular coupling analysis in Parkinson's disease 2012 ,		1
99	A Generalized Multivariate Autoregressive (GmAR)-Based Approach for EEG Source Connectivity Analysis. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 453-465	4.8	16
98	A multiblock PLS model of cortico-cortical and corticomuscular interactions in Parkinson's disease. <i>NeuroImage</i> , 2012 , 63, 1498-509	7.9	21

97	A computationally efficient, exploratory approach to brain connectivity incorporating false discovery rate control, a priori knowledge, and group inference. <i>Computational and Mathematical Methods in Medicine</i> , 2012 , 2012, 967380	2.8	7
96	Altered directional connectivity in Parkinson's disease during performance of a visually guided task. <i>NeuroImage</i> , 2011 , 56, 2144-56	7.9	22
95	Response to sensory uncertainty in Parkinson's disease: a marker of cerebellar dysfunction?. <i>European Journal of Neuroscience</i> , 2011 , 33, 298-305	3.5	15
94	Advances in imaging in Parkinson's disease. <i>Lancet Neurology, The</i> , 2011 , 10, 987-1001	24.1	82
93	Switched manual pursuit tracking to measure motor performance in Parkinson's disease. <i>IET Control Theory and Applications</i> , 2011 , 5, 1970-1977	2.5	1
92	A Bayesian Lasso via reversible-jump MCMC. <i>Signal Processing</i> , 2011 , 91, 1920-1932	4.4	5
91	Assessing manual pursuit tracking in Parkinson's disease via linear dynamical systems. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 2263-73	4.7	8
90	Dyskinetic Parkinson's disease patients demonstrate motor abnormalities off medication. <i>Experimental Brain Research</i> , 2011 , 214, 471-9	2.3	4
89	Greater activation of secondary motor areas is related to less arm use after stroke. <i>Neurorehabilitation and Neural Repair</i> , 2010 , 24, 78-87	4.7	26
88	Mode Detection in switched pursuit tracking tasks: Hybrid estimation to measure performance in Parkinson's disease 2010 ,		3
87	FMRI group studies of brain connectivity via a group robust Lasso 2010 ,		6
86	Asymptotic analysis of the Huberized LASSO estimator 2010 ,		2
85	theta, beta But not alpha-band EEG connectivity has implications for dual task performance in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2010 , 16, 393-7	3.6	18
84	Joint amplitude and connectivity compensatory mechanisms in Parkinson's disease. <i>Neuroscience</i> , 2010 , 166, 1110-8	3.9	78
83	Focusing effects of L-dopa in Parkinson's disease. <i>Human Brain Mapping</i> , 2010 , 31, 88-97	5.9	27
82	Imaging of compensatory mechanisms in Parkinson's disease. <i>Current Opinion in Neurology</i> , 2010 , 23, 407-12	7.1	67
81	L-dopa induces under-damped visually guided motor responses in Parkinson's disease. <i>Experimental Brain Research</i> , 2010 , 202, 553-9	2.3	15
80	Asymptotic Analysis of Robust LASSOs in the Presence of Noise With Large Variance. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 5131-5149	2.8	22

79	EEG source extraction by autoregressive source separation reveals abnormal synchronization in Parkinson's disease. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 1868-72</i>	0.9	2
78	Partial directed coherence-based information flow in Parkinson's disease patients performing a visually-guided motor task. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 1873-8</i>	0.9	1
77	Freesurfer-initialized large deformation diffeomorphic metric mapping with application to Parkinson's disease 2009,		2
76	Adverse effects of template-based warping on spatial fMRI analysis 2009,		5
75	Spatial characterization of fMRI activation maps using invariant 3-D moment descriptors. <i>IEEE Transactions on Medical Imaging, 2009, 28, 261-8</i>	11.7	13
74	Motor reserve and novel area recruitment: amplitude and spatial characteristics of compensation in Parkinson's disease. <i>European Journal of Neuroscience, 2009, 29, 2187-96</i>	3.5	62
73	Asymmetrical lateral ventricular enlargement in Parkinson's disease. <i>European Journal of Neurology, 2009, 16, 475-81</i>	6	41
72	Levodopa-sensitive, dynamic changes in effective connectivity during simultaneous movements in Parkinson's disease. <i>Neuroscience, 2009, 158, 693-704</i>	3.9	55
71	A novel segmentation, mutual information network framework for EEG analysis of motor tasks. <i>BioMedical Engineering OnLine, 2009, 8, 9</i>	4.1	16
70	Sparse multivariate autoregressive (mAR)-based partial directed coherence (PDC) for electroencephalogram (EEG) analysis 2009,		10
69	Functional segmentation of fMRI data using adaptive non-negative sparse PCA (ANSPCA). <i>Lecture Notes in Computer Science, 2009, 12, 490-7</i>	0.9	3
68	Discovering sparse functional brain networks using group replicator dynamics (GRD). <i>Lecture Notes in Computer Science, 2009, 21, 76-87</i>	0.9	6
67	Bayesian network modeling for discovering "dependent synergies" among muscles in reaching movements. <i>IEEE Transactions on Biomedical Engineering, 2008, 55, 298-310</i>	5	14
66	. <i>IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 907-918</i>	7.5	3
65	Probabilistic Boolean Network Analysis of Brain Connectivity in Parkinson's Disease. <i>IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 975-985</i>	7.5	8
64	Introduction to the Issue on fMRI Analysis for Human Brain Mapping. <i>IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 813</i>	7.5	0
63	Shape (but not volume) changes in the thalami in Parkinson disease. <i>BMC Neurology, 2008, 8, 8</i>	3.1	50
62	Dynamic Bayesian network modeling of fMRI: a comparison of group-analysis methods. <i>NeuroImage, 2008, 41, 398-407</i>	7.9	61

61	Study of stroke condition and hand dominance using a hidden Markov, multivariate autoregressive (HMM-mAR) network framework. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2008, 2008, 189-92</i>	0.9	
60	A Hidden Markov, Multivariate Autoregressive (HMM-mAR) Network Framework for Analysis of Surface EMG (sEMG) Data. <i>IEEE Transactions on Signal Processing, 2008, 56, 4069-4081</i>	4.8	42
59	Functional imaging in Parkinson disease. <i>Neurology, 2008, 70, 1478-88</i>	6.5	61
58	Learning brain connectivity with the false-discovery-rate-controlled PC-algorithm. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2008, 2008, 4617-20</i>	0.9	3
57	Inferring functional connectivity using spatial modulation measures of fMRI signals within brain regions of interest 2008,		1
56	A Windowed Eigenspectrum Method for Multivariate sEMG Classification During Reaching Movements. <i>IEEE Signal Processing Letters, 2008, 15, 293-296</i>	3.2	3
55	Underdetermined Anechoic Blind Source Separation via ℓ^q -Basis-Pursuit With $q \ll 1$. <i>IEEE Transactions on Signal Processing, 2007, 55, 4004-4017</i>	4.8	27
54	Asymmetrical ventricular enlargement in Parkinson's disease. <i>Movement Disorders, 2007, 22, 1657-60</i>	7	9
53	Joint spatial denoising and active region of interest delineation in functional magnetic resonance imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3404-7</i>		4
52	A Multi-Subject, Dynamic Bayesian Networks (DBNS) Framework for Brain Effective Connectivity 2007,		2
51	Relevance Network Modeling for Muscle Association Pattern in Reaching Movements 2007,		1
50	Invariant SPHARM shape descriptors for complex geometry in MR region of interest analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1322-5</i>		7
49	Spectral clustering of fMRI data within regions of interest: clarification of L-dopa effects in Parkinson's disease. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5235-8</i>		1
48	A framework for group analysis of fMRI data using dynamic Bayesian networks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5992-5</i>		5
47	Hidden Markov multivariate autoregressive (HMM-mAR) modeling framework for surface electromyography (sEMG) data. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4826-9</i>		1
46	Task specific influences of Parkinson's disease on the striato-thalamo-cortical and cerebello-thalamo-cortical motor circuitries. <i>Neuroscience, 2007, 147, 224-35</i>	3.9	99
45	Local linear discriminant analysis (LLDA) for group and region of interest (ROI)-based fMRI analysis. <i>NeuroImage, 2007, 37, 855-65</i>	7.9	13
44	Characterizing task-related temporal dynamics of spatial activation distributions in fMRI BOLD signals 2007, 10, 767-74		3

43	Increasing the effect size in event-related fMRI studies. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2006 , 25, 91-101		5
42	Isolation and minimization of head motion-induced signal variations in fMRI data using independent component analysis. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 1396-413	4.4	19
41	Blind Separation of Anechoic Under-determined Speech Mixtures using Multiple Sensors 2006 ,		1
40	ICA Denoising for Event-Related fMRI Studies. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2006, 157-61		9
39	An information-theoretic criterion for intrasubject alignment of fMRI time series: motion corrected independent component analysis. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 29-44	11.7	42
38	Acute and persistent pain modulation of attention-related anterior cingulate fMRI activations. <i>Pain</i> , 2005 , 113, 172-84	8	79
37	New brain networks are active after right MCA stroke when moving the ipsilesional arm. <i>Neurology</i> , 2005 , 64, 114-20	6.5	23
36	Improved Motion Correction of fMRI Time-Series Corrupted with Major Head Movement Using Extended Motion-Corrected Independent Component Analysis. <i>Lecture Notes in Computer Science</i> , 2005 , 346-355	0.9	
35	Linking hemodynamic and electrophysiological measures of brain activity: evidence from functional MRI and intracranial field potentials. <i>Cerebral Cortex</i> , 2004 , 14, 165-73	5.1	77
34	A post-processing/region of interest (ROI) method for discriminating patterns of activity in statistical maps of fMRI data. <i>Journal of Neuroscience Methods</i> , 2004 , 135, 137-47	3	8
33	Brain activity evoked by the perception of human walking: controlling for meaningful coherent motion. <i>Journal of Neuroscience</i> , 2003 , 23, 6819-25	6.6	254
32	Independent component analysis of functional MRI: what is signal and what is noise?. <i>Current Opinion in Neurobiology</i> , 2003 , 13, 620-9	7.6	275
31	Polysensory interactions along lateral temporal regions evoked by audiovisual speech. <i>Cerebral Cortex</i> , 2003 , 13, 1034-43	5.1	215
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