

Martin J Mckeown

List of Publications by Year in descending order

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234
papers

11,930
citations

81743

39
h-index

32761

100
g-index

240
all docs

240
docs citations

240
times ranked

11509
citing authors

#	ARTICLE	IF	CITATIONS
1	Removing electroencephalographic artifacts by blind source separation. <i>Psychophysiology</i> , 2000, 37, 163-178.	1.2	2,585
2	Analysis of fMRI data by blind separation into independent spatial components. <i>Human Brain Mapping</i> , 1998, 6, 160-188.	1.9	1,653
3	Removing electroencephalographic artifacts by blind source separation. , 2000, 37, 163.		678
4	Imaging brain dynamics using independent component analysis. <i>Proceedings of the IEEE</i> , 2001, 89, 1107-1122.	16.4	465
5	Spatially independent activity patterns in functional MRI data during the Stroop color-naming task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 803-810.	3.3	444
6	Independent component analysis of fMRI data: Examining the assumptions. <i>Human Brain Mapping</i> , 1998, 6, 368-372.	1.9	432
7	Independent component analysis of functional MRI: what is signal and what is noise?. <i>Current Opinion in Neurobiology</i> , 2003, 13, 620-629.	2.0	352
8	Brain Activity Evoked by the Perception of Human Walking: Controlling for Meaningful Coherent Motion. <i>Journal of Neuroscience</i> , 2003, 23, 6819-6825.	1.7	297
9	Polysensory Interactions along Lateral Temporal Regions Evoked by Audiovisual Speech. <i>Cerebral Cortex</i> , 2003, 13, 1034-1043.	1.6	246
10	3D CNN Based Automatic Diagnosis of Attention Deficit Hyperactivity Disorder Using Functional and Structural MRI. <i>IEEE Access</i> , 2017, 5, 23626-23636.	2.6	227
11	Detection of Consistently Task-Related Activations in fMRI Data with Hybrid Independent Component Analysis. <i>NeuroImage</i> , 2000, 11, 24-35.	2.1	158
12	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.	2.4	130
13	Task specific influences of Parkinson's disease on the striato-thalamo-cortical and cerebello-thalamo-cortical motor circuitries. <i>Neuroscience</i> , 2007, 147, 224-235.	1.1	116
14	Modes or models: a critique on independent component analysis for fMRI. <i>Trends in Cognitive Sciences</i> , 1998, 2, 373-375.	4.0	99
15	Advances in imaging in Parkinson's disease. <i>Lancet Neurology</i> , The, 2011, 10, 987-1001.	4.9	99
16	Exercise increases caudate dopamine release and ventral striatal activation in Parkinson's disease. <i>Movement Disorders</i> , 2019, 34, 1891-1900.	2.2	99
17	Removing Muscle Artifacts From EEG Data: Multichannel or Single-Channel Techniques?. <i>IEEE Sensors Journal</i> , 2016, 16, 1986-1997.	2.4	97
18	Acute and persistent pain modulation of attention-related anterior cingulate fMRI activations. <i>Pain</i> , 2005, 113, 172-184.	2.0	94

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19	The role of high-field magnetic resonance imaging in parkinsonian disorders: Pushing the boundaries forward. <i>Movement Disorders</i> , 2017, 32, 510-525.	2.2	92
20	Linking Hemodynamic and Electrophysiological Measures of Brain Activity: Evidence from Functional MRI and Intracranial Field Potentials. <i>Cerebral Cortex</i> , 2004, 14, 165-173.	1.6	88
21	Joint amplitude and connectivity compensatory mechanisms in Parkinson's disease. <i>Neuroscience</i> , 2010, 166, 1110-1118.	1.1	82
22	Joint Blind Source Separation for Neurophysiological Data Analysis: Multiset and multimodal methods. <i>IEEE Signal Processing Magazine</i> , 2016, 33, 86-107.	4.6	81
23	Motor reserve and novel area recruitment: amplitude and spatial characteristics of compensation in Parkinson's disease. <i>European Journal of Neuroscience</i> , 2009, 29, 2187-2196.	1.2	79
24	Imaging of compensatory mechanisms in Parkinson's disease. <i>Current Opinion in Neurology</i> , 2010, 23, 407-412.	1.8	78
25	Alpha, theta and alpha-theta coma: a clinical outcome study utilizing serial recordings. <i>Electroencephalography and Clinical Neurophysiology</i> , 1994, 91, 93-99.	0.3	74
26	When Do Epileptic Seizures Really Begin?. <i>Neuron</i> , 2001, 30, 1-3.	3.8	74
27	Dynamic Bayesian network modeling of fMRI: A comparison of group-analysis methods. <i>NeuroImage</i> , 2008, 41, 398-407.	2.1	74
28	Levodopa-sensitive, dynamic changes in effective connectivity during simultaneous movements in Parkinson's disease. <i>Neuroscience</i> , 2009, 158, 693-704.	1.1	72
29	Invited Article: Functional imaging in Parkinson disease. <i>Neurology</i> , 2008, 70, 1478-1488.	1.5	70
30	Removal of Muscle Artifacts From the EEG: A Review and Recommendations. <i>IEEE Sensors Journal</i> , 2019, 19, 5353-5368.	2.4	66
31	Shape (but not volume) changes in the thalami in Parkinson disease. <i>BMC Neurology</i> , 2008, 8, 8.	0.8	62
32	A Hidden Markov, Multivariate Autoregressive (HMM-mAR) Network Framework for Analysis of Surface EMG (sEMG) Data. <i>IEEE Transactions on Signal Processing</i> , 2008, 56, 4069-4081.	3.2	60
33	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> , The, 2018, 17, 309-316.	4.9	57
34	Morphological alterations in the caudate, putamen, pallidum, and thalamus in Parkinson's disease. <i>Frontiers in Neuroscience</i> , 2015, 9, 101.	1.4	55
35	Non-invasive monitoring of functionally distinct muscle activations during swallowing. <i>Clinical Neurophysiology</i> , 2002, 113, 354-366.	0.7	53
36	Parkinson's Disease Rigidity: Relation to Brain Connectivity and Motor Performance. <i>Frontiers in Neurology</i> , 2013, 4, 67.	1.1	52

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37	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.	5.4	51
38	Asymmetrical lateral ventricular enlargement in Parkinson's disease. <i>European Journal of Neurology</i> , 2009, 16, 475-481.	1.7	49
39	The Role of the Cerebellum in the Pathophysiology of Parkinson's Disease. <i>Canadian Journal of Neurological Sciences</i> , 2013, 40, 299-306.	0.3	49
40	Semi-dilated convolutional neural networks for epileptic seizure prediction. <i>Neural Networks</i> , 2021, 139, 212-222.	3.3	47
41	Noisy Galvanic Vestibular Stimulation Modulates the Amplitude of EEG Synchrony Patterns. <i>PLoS ONE</i> , 2013, 8, e69055.	1.1	44
42	<i>LRRK2</i> genetic variants in parkinsonism. <i>Movement Disorders</i> , 2015, 30, 273-278.	2.2	42
43	A convolutional-recurrent neural network approach to resting-state EEG classification in Parkinson's disease. <i>Journal of Neuroscience Methods</i> , 2021, 361, 109282.	1.3	42
44	A new method for detecting state changes in the EEG: exploratory application to sleep data. <i>Journal of Sleep Research</i> , 1998, 7, 48-56.	1.7	41
45	Simultaneous ocular and muscle artifact removal from EEG data by exploiting diverse statistics. <i>Computers in Biology and Medicine</i> , 2017, 88, 1-10.	3.9	40
46	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.	1.1	39
47	Shrinkage-to-Tapering Estimation of Large Covariance Matrices. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 5640-5656.	3.2	38
48	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.	1.9	37
49	Habitual exercisers versus sedentary subjects with Parkinson's Disease: Multimodal PET and fMRI study. <i>Movement Disorders</i> , 2018, 33, 1945-1950.	2.2	37
50	Toward Open-World Electroencephalogram Decoding Via Deep Learning: A comprehensive survey. <i>IEEE Signal Processing Magazine</i> , 2022, 39, 117-134.	4.6	37
51	Underdetermined Anechoic Blind Source Separation via l_1 -Basis-Pursuit With l_2 . <i>IEEE Transactions on Signal Processing</i> , 2007, 55, 4004-4017.	3.2	36
52	Subacute uremic and diabetic polyneuropathy. <i>Muscle and Nerve</i> , 1997, 20, 59-64.	1.0	34
53	Greater Activation of Secondary Motor Areas Is Related to Less Arm Use After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 78-87.	1.4	34
54	Gender differences in Parkinson's disease depression. <i>Parkinsonism and Related Disorders</i> , 2017, 36, 93-97.	1.1	34

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55	Dynamic Graph Theoretical Analysis of Functional Connectivity in Parkinson's Disease: The Importance of Fiedler Value. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1720-1729.	3.9	34
56	Cognitive Profiles and Hub Vulnerability in Parkinson's Disease. Frontiers in Neurology, 2018, 9, 482.	1.1	33
57	Repetitive transcranial magnetic stimulation improves Parkinson's freezing of gait via normalizing brain connectivity. Npj Parkinson's Disease, 2020, 6, 16.	2.5	31
58	Spatially fixed patterns account for the spike and wave features in absence seizures. Brain Topography, 1999, 12, 107-116.	0.8	30
59	Focusing effects of L-dopa in Parkinson's disease. Human Brain Mapping, 2010, 31, 88-97.	1.9	30
60	Asymptotic Analysis of Robust LASSOs in the Presence of Noise With Large Variance. IEEE Transactions on Information Theory, 2010, 56, 5131-5149.	1.5	30
61	ReMAE: User-Friendly Toolbox for Removing Muscle Artifacts From EEG. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2105-2119.	2.4	30
62	New brain networks are active after right MCA stroke when moving the ipsilesional arm. Neurology, 2005, 64, 114-120.	1.5	29
63	Multifaceted effects of noisy galvanic vestibular stimulation on manual tracking behavior in Parkinson's disease. Frontiers in Systems Neuroscience, 2015, 9, 5.	1.2	29
64	Galvanic Vestibular Stimulation (GVS) Augments Deficient Pedunculo-pontine Nucleus (PPN) Connectivity in Mild Parkinson's Disease: fMRI Effects of Different Stimuli. Frontiers in Neuroscience, 2018, 12, 101.	1.4	29
65	A Novel Segmentation, Mutual Information Network Framework for EEG Analysis of Motor Tasks. BioMedical Engineering OnLine, 2009, 8, 9.	1.3	28
66	Phasic and Tonic Coupling between EEG and EMG Demonstrated with Independent Component Analysis. Journal of Clinical Neurophysiology, 2001, 18, 45-57.	0.9	27
67	Altered directional connectivity in Parkinson's disease during performance of a visually guided task. NeuroImage, 2011, 56, 2144-2156.	2.1	27
68	DCTN1 p.K56R in progressive supranuclear palsy. Parkinsonism and Related Disorders, 2016, 28, 56-61.	1.1	27
69	Removal of High-Voltage Brain Stimulation Artifacts From Simultaneous EEG Recordings. IEEE Transactions on Biomedical Engineering, 2019, 66, 50-60.	2.5	26
70	A multiblock PLS model of cortico-cortical and corticomuscular interactions in Parkinson's disease. NeuroImage, 2012, 63, 1498-1509.	2.1	25
71	Classification of Astrocytomas and Malignant Astrocytomas by Principal Components Analysis and a Neural Net. Journal of Neuropathology and Experimental Neurology, 1996, 55, 1238-1245.	0.9	24
72	Visual Contrast Sensitivity in Early-Stage Parkinson's Disease. , 2016, 57, 5696.		24

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73	Genetic variability of the retromer cargo recognition complex in parkinsonism. <i>Movement Disorders</i> , 2015, 30, 580-584.	2.2	23
74	Investigation of serotonergic Parkinson's disease-related covariance pattern using [11C]-DASB/PET. <i>NeuroImage: Clinical</i> , 2018, 19, 652-660.	1.4	23
75	A Deep Convolutional-Recurrent Neural Network Architecture for Parkinson's Disease EEG Classification. , 2019, , .		23
76	Spatial Characterization of fMRI Activation Maps Using Invariant 3-D Moment Descriptors. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 261-268.	5.4	22
77	$\hat{\mu}_1, \hat{\mu}_2$ But not $\hat{\mu}_{\pm}$ -band EEG connectivity has implications for dual task performance in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2010, 16, 393-397.	1.1	22
78	An EEMD-IVA Framework for Concurrent Multidimensional EEG and Unidimensional Kinematic Data Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2187-2198.	2.5	22
79	Deterministic and stochastic features of fMRI data: implications for analysis of event-related experiments. <i>Journal of Neuroscience Methods</i> , 2002, 118, 103-113.	1.3	21
80	A Sticky Weighted Regression Model for Time-Varying Resting-State Brain Connectivity Estimation. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 501-510.	2.5	21
81	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.	1.4	21
82	Small P values may not yield robust findings: an example using REST-meta-PD. <i>Science Bulletin</i> , 2021, 66, 2148-2152.	4.3	21
83	Isolation and minimization of head motion-induced signal variations in fMRI data using independent component analysis. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1396-1413.	1.9	20
84	Decreased subregional specificity of the putamen in Parkinson's Disease revealed by dynamic connectivity-derived parcellation. <i>NeuroImage: Clinical</i> , 2018, 20, 1163-1175.	1.4	20
85	An IC-PLS Framework for Group Corticomuscular Coupling Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 2022-2033.	2.5	19
86	A Generalized Multivariate Autoregressive (GmAR)-Based Approach for EEG Source Connectivity Analysis. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 453-465.	3.2	18
87	Novel spatial analysis method for PET images using 3D moment invariants: Applications to Parkinson's disease. <i>NeuroImage</i> , 2013, 68, 11-21.	2.1	18
88	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, 1232-1241.	3.9	18
89	Abnormal Phase Coupling in Parkinson's Disease and Normalization Effects of Subthreshold Vestibular Stimulation. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 118.	1.0	18
90	White matter myelin profiles linked to clinical subtypes of Parkinson's disease. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 164-174.	1.9	18

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91	Cortical activation related to arm-movement combinations. <i>Muscle and Nerve</i> , 2000, 23, S19-S25.	1.0	17
92	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.	1.4	17
93	Expediting telehealth use in clinical research studies: recommendations for overcoming barriers in North America. <i>Npj Parkinson's Disease</i> , 2021, 7, 34.	2.5	17
94	A Deep Learning Strategy for Automatic Sleep Staging Based on Two-Channel EEG Headband Data. <i>Sensors</i> , 2021, 21, 3316.	2.1	17
95	L-Dopa induces under-damped visually guided motor responses in Parkinson's disease. <i>Experimental Brain Research</i> , 2010, 202, 553-559.	0.7	16
96	Response to sensory uncertainty in Parkinson's disease: a marker of cerebellar dysfunction?. <i>European Journal of Neuroscience</i> , 2011, 33, 298-305.	1.2	16
97	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.	2.4	16
98	Bayesian Network Modeling for Discovering "Dependent Synergies" Among Muscles in Reaching Movements. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 298-310.	2.5	15
99	Sparse multivariate autoregressive (mAR)-based partial directed coherence (PDC) for electroencephalogram (EEG) analysis. , 2009, , .		15
100	Current perspectives on galvanic vestibular stimulation in the treatment of Parkinson's disease. <i>Expert Review of Neurotherapeutics</i> , 2021, 21, 405-418.	1.4	15
101	A Wavelet Based Approach for the Detection of Coupling in EEG Signals. , 0, , .		14
102	Local Linear Discriminant Analysis (LLDA) for group and region of interest (ROI)-based fMRI analysis. <i>NeuroImage</i> , 2007, 37, 855-865.	2.1	14
103	Probabilistic Boolean Network Analysis of Brain Connectivity in Parkinson's Disease. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2008, 2, 975-985.	7.3	14
104	Group Replicator Dynamics: A Novel Group-Wise Evolutionary Approach for Sparse Brain Network Detection. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 576-585.	5.4	13
105	Robust Eye-Based Dwell-Free Typing. <i>International Journal of Human-Computer Interaction</i> , 2016, 32, 682-694.	3.3	13
106	Deep learning based automatic diagnoses of attention deficit hyperactive disorder. , 2017, , .		13
107	Altered EEG alpha and theta oscillations characterize apathy in Parkinson's disease during incentivized movement. <i>NeuroImage: Clinical</i> , 2019, 23, 101922.	1.4	13
108	Serotonergic System Impacts Levodopa Response in Early Parkinson's and Future Risk of Dyskinesia. <i>Movement Disorders</i> , 2021, 36, 389-397.	2.2	13

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109	Analysis of fMRI data by blind separation into independent spatial components. , 1998, 6, 160.		13
110	Electromyography of the diaphragm in neuromuscular disease. , 1998, 21, 954-957.		12
111	A Bayesian Lasso via reversible-jump MCMC. Signal Processing, 2011, 91, 1920-1932.	2.1	12
112	A Genetically Informed, Group fMRI Connectivity Modeling Approach: Application to Schizophrenia. IEEE Transactions on Biomedical Engineering, 2014, 61, 946-956.	2.5	12
113	Cognitive Performance in Subjects With Multiple Sclerosis Is Robustly Influenced by Gender in Canonical-Correlation Analysis. Journal of Neuropsychiatry and Clinical Neurosciences, 2017, 29, 119-127.	0.9	12
114	Response from Martin McKeown, Makeig, Brown, Jung, Kindermann, Bell and Sejnowski. Trends in Cognitive Sciences, 1998, 2, 375.	4.0	11
115	Asymmetrical ventricular enlargement in Parkinson's disease. Movement Disorders, 2007, 22, 1657-1660.	2.2	11
116	Movement disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 136, 957-969.	1.0	11
117	Subthreshold stochastic vestibular stimulation induces complex multi-planar effects during standing in Parkinson's disease. Brain Stimulation, 2018, 11, 1180-1182.	0.7	11
118	A post-processing/region of interest (ROI) method for discriminating patterns of activity in statistical maps of fMRI data. Journal of Neuroscience Methods, 2004, 135, 137-147.	1.3	10
119	Decisions under risk in Parkinson's disease: Preserved evaluation of probability and magnitude. Neuropsychologia, 2013, 51, 2679-2689.	0.7	10
120	ICA Denoising for Event-Related fMRI Studies. , 2005, 2006, 157-61.		9
121	Characterizing fMRI Activations within Regions of Interest (ROIs) Using 3D Moment Invariants. , 0, , .		9
122	Assessing Manual Pursuit Tracking in Parkinson's Disease Via Linear Dynamical Systems. Annals of Biomedical Engineering, 2011, 39, 2263-2273.	1.3	9
123	A fuzzy logic based Parkinson's Disease risk predictor. , 2014, , .		9
124	Biomarkers in Parkinson disease: It's time to combine. Neurology, 2015, 84, 2392-2393.	1.5	9
125	Differentiating cognitive or motor dimensions associated with the perception of fall-related self-efficacy in Parkinson's disease. Npj Parkinson's Disease, 2018, 4, 26.	2.5	9
126	Both Stationary and Dynamic Functional Interhemispheric Connectivity Are Strongly Associated With Performance on Cognitive Tests in Multiple Sclerosis. Frontiers in Neurology, 2020, 11, 407.	1.1	9

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127	Preservation of Eye Movements in Parkinson's Disease Is Stimulus- and Task-Specific. <i>Journal of Neuroscience</i> , 2022, 42, 487-499.	1.7	9
128	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.	1.2	9
129	Increasing the effect size in event-related fMRI studies. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2006, 25, 91-101.	1.1	8
130	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</i> , 2007, 2007, 1322-5.	0.5	8
131	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.	1.1	8
132	Novel LRRK2 mutations in Parkinsonism. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 1119-1121.	1.1	8
133	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.	1.4	8
134	A Novel MRI Compatible Balance Simulator to Detect Postural Instability in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2019, 10, 922.	1.1	8
135	Inherent spatial structure in myelin water fraction maps. <i>Magnetic Resonance Imaging</i> , 2020, 67, 33-42.	1.0	8
136	Adverse effects of template-based warping on spatial fMRI analysis. , 2009, , .		7
137	fMRI group studies of brain connectivity via a group robust Lasso. , 2010, , .		7
138	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, 1-14.	0.7	7
139	Galvanic Vestibular Stimulation (GVS) effects on impaired interhemispheric connectivity in Parkinson's Disease. , 2017, 2017, 2109-2113.		7
140	Structural Network Analysis Using Diffusion MRI Tractography in Parkinson's Disease and Correlations With Motor Impairment. <i>Frontiers in Neurology</i> , 2020, 11, 841.	1.1	7
141	Frequency-Specific Effects of Galvanic Vestibular Stimulation on Response-Time Performance in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2021, 12, 758122.	1.1	7
142	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.	7.3	6
143	CamType: assistive text entry using gaze with an off-the-shelf webcam. <i>Machine Vision and Applications</i> , 2019, 30, 407-421.	1.7	6
144	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.	5.4	6

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145	Epileptic Seizure Prediction: A Semi-Dilated Convolutional Neural Network Architecture. , 2021, , .		6
146	A Multi-Sequence MRI Study in Parkinson's Disease: Association Between Rigidity and Myelin. Journal of Magnetic Resonance Imaging, 2022, 55, 451-462.	1.9	6
147	Striatal Subdivisions Estimated via Deep Embedded Clustering With Application to Parkinson's Disease. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3564-3575.	3.9	6
148	Discovering Sparse Functional Brain Networks Using Group Replicator Dynamics (GRD). Lecture Notes in Computer Science, 2009, 21, 76-87.	1.0	6
149	Comparison Between the Alpha Pattern in Normal Subjects and in Alpha Pattern Coma. Journal of Clinical Neurophysiology, 1997, 14, 414-418.	0.9	6
150	A Framework for Group Analysis of fMRI Data using Dynamic Bayesian Networks. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5992-5.	0.5	5
151	Freesurfer-initialized large deformation diffeomorphic metric mapping with application to Parkinson's disease. , 2009, , .		5
152	Automatic Sleep Arousal Detection Based on C-ELM. , 2015, , .		5
153	Plantar cutaneous function in Parkinson's disease patients ON and OFF L-dopa. Neuroscience Letters, 2016, 629, 251-255.	1.0	5
154	Connectivity-based parcellation of functional SubROIs in putamen using a sparse spatially regularized regression model. Biomedical Signal Processing and Control, 2016, 27, 174-183.	3.5	5
155	Galvanic Vestibular Stimulation Improves Subnetwork Interactions in Parkinson's Disease. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.1	5
156	Brain connectivity during simulated balance in older adults with and without Parkinson's disease. NeuroImage: Clinical, 2021, 30, 102676.	1.4	5
157	Characterizing the cortical pathways underlying visual trigger induced urinary urgency incontinence by functional MRI. Neurourology and Urodynamics, 2022, 41, 48-53.	0.8	5
158	Characterizing Task-Related Temporal Dynamics of Spatial Activation Distributions in fMRI BOLD Signals. , 2007, 10, 767-774.		5
159	Movement correction of fMRI time-series using intrinsic statistical properties of images: an independent component analysis approach. , 0, , .		4
160	Joint Spatial Denoising and Active Region of Interest Delineation in Functional Magnetic Resonance Imaging. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3404-7.	0.5	4
161	SPHARM-Based Spatial fMRI Characterization With Intersubject Anatomical Variability Reduction. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 907-918.	7.3	4
162	Learning brain connectivity with the false-discovery-rate-controlled PC-algorithm. , 2008, 2008, 4617-20.		4

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163	Functional Segmentation of fMRI Data Using Adaptive Non-negative Sparse PCA (ANSPCA). Lecture Notes in Computer Science, 2009, 12, 490-497.	1.0	4
164	Dyskinetic Parkinson's disease patients demonstrate motor abnormalities off medication. Experimental Brain Research, 2011, 214, 471-479.	0.7	4
165	Novel data-driven, equation-free method captures spatio-temporal patterns of neurodegeneration in Parkinson's disease: Application of dynamic mode decomposition to PET. NeuroImage: Clinical, 2020, 25, 102150.	1.4	4
166	A Multi-Subject, Dynamic Bayesian Networks (DBNS) Framework for Brain Effective Connectivity. , 2007, , .		3
167	Spectral Clustering of fMRI Data within Regions of Interest: Clarification of L-dopa effects in Parkinson's Disease. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5235-8.	0.5	3
168	Hidden Markov Multivariate Autoregressive (HMM-mAR) Modeling Framework for Surface Electromyography (sEMG) Data. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4826-9.	0.5	3
169	A Windowed Eigenspectrum Method for Multivariate sEMG Classification During Reaching Movements. IEEE Signal Processing Letters, 2008, 15, 293-296.	2.1	3
170	EEG source extraction by autoregressive source separation reveals abnormal synchronization in Parkinson's disease. , 2009, 2009, 1868-72.		3
171	Mode Detection in switched pursuit tracking tasks: Hybrid estimation to measure performance in Parkinson's disease. , 2010, , .		3
172	Asymptotic analysis of the Huberized LASSO estimator. , 2010, , .		3
173	Galvanic Vestibular Stimulation: Data Analysis and Applications in Neurorehabilitation. IEEE Signal Processing Magazine, 2021, 38, 54-64.	4.6	3
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