

Dewen Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1128328/publications.pdf>

Version: 2024-02-01

316
papers

10,523
citations

30070
54
h-index

43889
91
g-index

327
all docs

327
docs citations

327
times ranked

11555
citing authors

#	ARTICLE	IF	CITATIONS
1	Notice of Violation of IEEE Publication Principles: Multiobjective Reinforcement Learning: A Comprehensive Overview. IEEE Transactions on Cybernetics, 2024, , 1-13.	9.5	13
2	Few-Shot Domain-Adaptive Anomaly Detection for Cross-Site Brain Images. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2024, 46, 1819-1835.	13.9	8
3	Semi-Supervised Learning With Label Proportion. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 877-890.	5.7	1
4	A Pose-Only Solution to Visual Reconstruction and Navigation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 73-86.	13.9	8
5	Aberrant temporal-spatial complexity of intrinsic fluctuations in major depression. European Archives of Psychiatry and Clinical Neuroscience, 2023, 273, 169-181.	3.2	2
6	Self-Paced Dynamic Infinite Mixture Model for Fatigue Evaluation of Pilots' Brains. IEEE Transactions on Cybernetics, 2022, 52, 5623-5638.	9.5	44
7	Informative Feature Disentanglement for Unsupervised Domain Adaptation. IEEE Transactions on Multimedia, 2022, 24, 2407-2421.	7.2	16
8	Deep Ladder-Suppression Network for Unsupervised Domain Adaptation. IEEE Transactions on Cybernetics, 2022, 52, 10735-10749.	9.5	10
9	Deep transfer learning for cerebral cortex using area-preserving geometry mapping. Cerebral Cortex, 2022, 32, 2972-2984.	2.9	7
10	Attentional Feature Refinement and Alignment Network for Aircraft Detection in SAR Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	15
11	Clinical Validation of BCI-Controlled Wheelchairs in Subjects With Severe Spinal Cord Injury. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 579-589.	4.9	10
12	Facial Kinship Verification: A Comprehensive Review and Outlook. International Journal of Computer Vision, 2022, 130, 1494-1525.	15.6	9
13	DC-tCNN: A Deep Model for EEG-Based Detection of Dim Targets. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1727-1736.	4.9	3
14	Learning to Detect 3D Symmetry From Single-View RGB-D Images With Weak Supervision. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-15.	13.9	22
15	Nonparametric Bayesian Prior Inducing Deep Network for Automatic Detection of Cognitive Status. IEEE Transactions on Cybernetics, 2021, 51, 5483-5496.	9.5	45
16	Dual-branch combination network (DCN): Towards accurate diagnosis and lesion segmentation of COVID-19 using CT images. Medical Image Analysis, 2021, 67, 101836.	11.6	129
17	Brain parcellation driven by dynamic functional connectivity better capture intrinsic network dynamics. Human Brain Mapping, 2021, 42, 1416-1433.	3.6	17
18	Dynamic neural circuit disruptions associated with antisocial behaviors. Human Brain Mapping, 2021, 42, 329-344.	3.6	7

#	ARTICLE	IF	CITATIONS
19	Joint Embedding Learning and Low-Rank Approximation: A Framework for Incomplete Multiview Learning. IEEE Transactions on Cybernetics, 2021, 51, 1690-1703.	9.5	24
20	Joint Clustering and Discriminative Feature Alignment for Unsupervised Domain Adaptation. IEEE Transactions on Image Processing, 2021, 30, 7842-7855.	9.8	26
21	Enhancing ISAR Image Efficiently via Convolutional Reweighted l_1 Minimization. IEEE Transactions on Image Processing, 2021, 30, 4291-4304.	9.8	16
22	Removal of Micro-Doppler Effect of ISAR Image Based on Laplacian Regularized Nonconvex Low-Rank Representation. IEEE Transactions on Image Processing, 2021, 30, 6446-6458.	9.8	10
23	The neuroprogressive nature of major depressive disorder: evidence from an intrinsic connectome analysis. Translational Psychiatry, 2021, 11, 102.	4.8	19
24	Machine learning based on clinical characteristics and chest CT quantitative measurements for prediction of adverse clinical outcomes in hospitalized patients with COVID-19. European Radiology, 2021, 31, 7925-7935.	4.5	13
25	Functional connectivity evidence for state-independent executive function deficits in patients with major depressive disorder. Journal of Affective Disorders, 2021, 291, 76-82.	4.1	8
26	Autism Spectrum Disorder Studies Using fMRI Data and Machine Learning: A Review. Frontiers in Neuroscience, 2021, 15, 697870.	2.8	29
27	Prediction the Age of Human Brains from Gene Expression. Communications in Computer and Information Science, 2021, , 339-347.	0.5	0
28	A Dynamic User Interface Based BCI Environmental Control System. International Journal of Human-Computer Interaction, 2020, 36, 55-66.	4.8	19
29	An ERP-based BCI with peripheral stimuli: validation with ALS patients. Cognitive Neurodynamics, 2020, 14, 21-33.	4.0	27
30	Functional Parcellation of Human Brain Precuneus Using Density-Based Clustering. Cerebral Cortex, 2020, 30, 269-282.	2.9	37
31	3D human pose estimation by depth map. Visual Computer, 2020, 36, 1401-1410.	3.5	8
32	Novel hybrid brain-computer interface system based on motor imagery and P300. Cognitive Neurodynamics, 2020, 14, 253-265.	4.0	27
33	State-Independent and -Dependent Structural Connectivity Alterations in Depression. Frontiers in Psychiatry, 2020, 11, 568717.	2.6	2
34	Uniform Pooling for Graph Networks. Applied Sciences (Switzerland), 2020, 10, 6287.	2.5	3
35	A Deep Network Model on Dynamic Functional Connectivity With Applications to Gender Classification and Intelligence Prediction. Frontiers in Neuroscience, 2020, 14, 881.	2.8	22
36	Enhanced Regional Functional Connectivity Indicates Seizure Onset Zone. Brain Topography, 2020, 33, 545-557.	1.8	1

#	ARTICLE	IF	CITATIONS
37	State-Independent Microstructural White Matter Abnormalities in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2020, 11, 431.	2.6	6
38	Anesthesia enhances spontaneous low-frequency oscillations in the brain. <i>NeuroReport</i> , 2020, 31, 394-398.	1.2	3
39	A self-paced BCI prototype system based on the incorporation of an intelligent environment-understanding approach for rehabilitation hospital environmental control. <i>Computers in Biology and Medicine</i> , 2020, 118, 103618.	7.0	17
40	Bayesian fusion and multimodal DCM for EEG and fMRI. <i>NeuroImage</i> , 2020, 211, 116595.	4.2	30
41	Precise Targeting of Single Microelectrodes to Orientation Pinwheel Centers. <i>Bio-protocol</i> , 2020, 10, e3643.	0.4	1
42	Motor Cortex Mapping in Patients With Hepatic Myelopathy After Transjugular Intrahepatic Portosystemic Shunt. <i>Academic Radiology</i> , 2019, 26, e38-e46.	2.5	0
43	Experimental Comparisons of Sparse Dictionary Learning and Independent Component Analysis for Brain Network Inference From fMRI Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 289-299.	4.2	54
44	An Tactile ERP-Based Brain-Computer Interface for Communication. <i>International Journal of Human-Computer Interaction</i> , 2019, 35, 559-567.	4.8	8
45	Safe Classification with Augmented Features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019, 41, 2176-2192.	13.9	24
46	Toward Brain-Actuated Mobile Platform. <i>International Journal of Human-Computer Interaction</i> , 2019, 35, 846-858.	4.8	7
47	Pathological Between-Network Positive Connectivity in Early Type 2 Diabetes Patients Without Cerebral Small Vessel Diseases. <i>Frontiers in Neuroscience</i> , 2019, 13, 731.	2.8	8
48	Correlation-based channel selection and regularized feature optimization for MI-based BCI. <i>Neural Networks</i> , 2019, 118, 262-270.	5.9	238
49	Dissociating individual connectome traits using low-rank learning. <i>Brain Research</i> , 2019, 1722, 146348.	2.2	4
50	Dense-CAM: Visualize the Gender of Brains with MRI Images. , 2019, , .		5
51	EEG-Based Visual Classification with Recurrent Neural Network. , 2019, , .		2
52	A Robust Multi-Subject fMRI Analysis Method Using Dimensional Optimization. <i>IEEE Access</i> , 2019, 7, 125762-125770.	4.2	1
53	Subdomains within orientation columns of primary visual cortex. <i>Science Advances</i> , 2019, 5, eaaw0807.	10.3	19
54	An Asynchronous Hybrid Spelling Approach Based on EEG-EOG Signals for Chinese Character Input. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1292-1302.	4.9	59

#	ARTICLE	IF	CITATIONS
55	Independency of Functional Connectivity States on Spatiotemporal Resolution of fMRI Data. Communications in Computer and Information Science, 2019, , 370-380.	0.5	0
56	Functional parcellation of the hippocampus from resting-state dynamic functional connectivity. Brain Research, 2019, 1715, 165-175.	2.2	26
57	Gender Identification of Human Cortical 3-D Morphology Using Hierarchical Sparsity. Frontiers in Human Neuroscience, 2019, 13, 29.	2.0	13
58	Retinotopic and topographic analyses with gaze restriction for steady-state visual evoked potentials. Scientific Reports, 2019, 9, 4472.	3.3	13
59	A Novel Single-Character Visual BCI Paradigm With Multiple Active Cognitive Tasks. IEEE Transactions on Biomedical Engineering, 2019, 66, 3119-3128.	4.2	8
60	fMRI functional connectivity as an indicator of interictal epileptic discharges. NeuroImage: Clinical, 2019, 24, 102038.	2.7	10
61	Distinct hemispheric specialization of functional connectivity in schizophrenia with and without auditory verbal hallucinations. NeuroReport, 2019, 30, 1294-1298.	1.2	2
62	Gender identification based on human brain structural MRI with a multi-layer 3D convolution extreme learning machine. Cognitive Computation and Systems, 2019, 1, 91-96.	1.4	6
63	Changes in default mode network connectivity in different glucose metabolism status and diabetes duration. NeuroImage: Clinical, 2019, 21, 101629.	2.7	31
64	Multivariate Pattern Analysis of Whole-Brain Functional Connectivity in Major Depression. , 2019, , 17-33.		0
65	Deep Discriminant Autoencoder Network for Multi-site fMRI Classification. , 2019, , 227-258.		0
66	Multi-task Learning of Structural MRI for Multi-site Classification. , 2019, , 205-226.		1
67	Locality Preserving Projection of Functional Connectivity for Regression. , 2019, , 123-147.		0
68	Sparse Representation of Dynamic Functional Connectivity in Depression. , 2019, , 169-181.		0
69	Locally Linear Embedding of Functional Connectivity for Classification. , 2019, , 83-102.		0
70	Locally Linear Embedding of Anatomical Connectivity for Classification. , 2019, , 103-122.		0
71	Intrinsic Discriminant Analysis of Functional Connectivity for Multiclass Classification. , 2019, , 149-168.		0
72	Discriminative Analysis of Nonlinear Functional Connectivity in Schizophrenia. , 2019, , 35-54.		0

#	ARTICLE	IF	CITATIONS
73	Predicting Individual Brain Maturity Using Window-Based Dynamic Functional Connectivity. , 2019, , 55-81.		0
74	Gender Identification of Human Brain Image with A Novel 3D Descriptor. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 551-561.	3.0	8
75	Impact of global signal regression on characterizing dynamic functional connectivity and brain states. NeuroImage, 2018, 173, 127-145.	4.2	41
76	Towards correlation-based time window selection method for motor imagery BCIs. Neural Networks, 2018, 102, 87-95.	5.9	127
77	Multi-Site Diagnostic Classification of Schizophrenia Using Discriminant Deep Learning with Functional Connectivity MRI. EBioMedicine, 2018, 30, 74-85.	6.1	206
78	Impact of 36h of total sleep deprivation on resting-state dynamic functional connectivity. Brain Research, 2018, 1688, 22-32.	2.2	28
79	Usage of drip drops as stimuli in an auditory P300 BCI paradigm. Cognitive Neurodynamics, 2018, 12, 85-94.	4.0	26
80	ELSTM-Based Visual Decoding from Single-Trial EEG Recording. , 2018, , .		1
81	An Asynchronous Control Paradigm Based on Sequential Motor Imagery and Its Application in Wheelchair Navigation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2367-2375.	4.9	47
82	Multi-Center Brain Imaging Classification Using a Novel 3D CNN Approach. IEEE Access, 2018, 6, 49925-49934.	4.2	40
83	Anatomical-Connectivity Based Parcellation of Hippocampus and Medial Temporal Lobe Epilepsy Classification. , 2018, , .		0
84	Classification of multi-site MR images in the presence of heterogeneity using multi-task learning. NeuroImage: Clinical, 2018, 19, 476-486.	2.7	25
85	Towards BCI-actuated smart wheelchair system. BioMedical Engineering OnLine, 2018, 17, 111.	2.7	68
86	Functional connectivity changes in the entorhinal cortex of taxi drivers. Brain and Behavior, 2018, 8, e01022.	2.2	9
87	DiffusionNet: Establish Convolutional Networks with Nitric Oxide Diffusion Model. Lecture Notes in Computer Science, 2018, , 252-261.	1.3	0
88	Differentiating Patients with Parkinson's Disease from Normal Controls Using Gray Matter in the Cerebellum. Cerebellum, 2017, 16, 151-157.	2.5	29
89	Altered default mode, fronto-parietal and salience networks in adolescents with Internet addiction. Addictive Behaviors, 2017, 70, 1-6.	3.0	51
90	Changes in the cerebellar and cerebro-cerebellar circuit in type 2 diabetes. Brain Research Bulletin, 2017, 130, 95-100.	3.0	29

#	ARTICLE	IF	CITATIONS
91	Toward a Hybrid BCI: Self-Paced Operation of a P300-based Speller by Merging a Motor Imagery-Based “Brain Switch” into a P300 Spelling Approach. International Journal of Human-Computer Interaction, 2017, 33, 623-632.	4.8	16
92	Reduced White Matter Integrity in Antisocial Personality Disorder: A Diffusion Tensor Imaging Study. Scientific Reports, 2017, 7, 43002.	3.3	36
93	Making group inferences using sparse representation of resting-state functional MRI data with application to sleep deprivation. Human Brain Mapping, 2017, 38, 4671-4689.	3.6	17
94	Functional network connectivity alterations in schizophrenia and depression. Psychiatry Research - Neuroimaging, 2017, 263, 113-120.	1.8	40
95	Mapping the convergent temporal epileptic network in left and right temporal lobe epilepsy. Neuroscience Letters, 2017, 639, 179-184.	2.1	12
96	Salient Region Detection Using Diffusion Process on a Two-Layer Sparse Graph. IEEE Transactions on Image Processing, 2017, 26, 5882-5894.	9.8	79
97	Self-Paced Operation of a Wheelchair Based on a Hybrid Brain-Computer Interface Combining Motor Imagery and P300 Potential. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2516-2526.	4.9	82
98	Group-wise sparse representation of resting-state fMRI data for better understanding of schizophrenia. , 2017, , .		2
99	Radiation-induced cerebellar “cerebral functional connectivity alterations in nasopharyngeal carcinoma patients. NeuroReport, 2017, 28, 705-711.	1.2	18
100	Blind source separation of functional MRI scans of the human brain based on canonical correlation analysis. Neurocomputing, 2017, 269, 220-225.	5.9	6
101	Disrupted functional connectome in antisocial personality disorder. Brain Imaging and Behavior, 2017, 11, 1071-1084.	2.1	15
102	Anatomical-connectivity based parcellation of hippocampus and medial temporal lobe epilepsy classification. , 2017, , .		0
103	Detect visual field using eye tracking and steady-state visual evoked potential. , 2017, , .		1
104	An improved group BSS-CCA method for blind source separation of functional MRI scans of the human brain. , 2017, , .		4
105	Lifespan Development of the Human Brain Revealed by Large-Scale Network Eigen-Entropy. Entropy, 2017, 19, 471.	2.2	9
106	Gender Identification Based on Human Structural MRI with a Multi-layers-vote Algorithm. Communications in Computer and Information Science, 2017, , 502-508.	0.5	1
107	Component Selection in Blind Source Separation of Brain Imaging Data. Lecture Notes in Computer Science, 2017, , 589-596.	1.3	0
108	Altered Effective Connectivity among Core Neurocognitive Networks in Idiopathic Generalized Epilepsy: An fMRI Evidence. Frontiers in Human Neuroscience, 2016, 10, 447.	2.0	17

#	ARTICLE	IF	CITATIONS
109	Altered cerebellar-cerebral functional connectivity in benign adult familial myoclonic epilepsy. <i>Epilepsia</i> , 2016, 57, 941-948.	5.1	25
110	A Novel Brain-Computer Interface Approach Designed for Dynamic Target Selection. , 2016, , .		0
111	A Self-Paced Brain-Computer Interface Speller by Combining Motor Imagery and P300 Potential. , 2016, , .		8
112	Radiation-induced functional connectivity alterations in nasopharyngeal carcinoma patients with radiotherapy. <i>Medicine (United States)</i> , 2016, 95, e4275.	1.0	26
113	Extended local binary patterns for face recognition. <i>Information Sciences</i> , 2016, 358-359, 56-72.	6.9	111
114	Reduced cortical thickness and increased surface area in antisocial personality disorder. <i>Neuroscience</i> , 2016, 337, 143-152.	2.3	25
115	Introduction to the Special Issue on Unmanned Intelligent Vehicles in China. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 2020-2021.	8.0	1
116	Toward brain-actuated car applications: Self-paced control with a motor imagery-based brain-computer interface. <i>Computers in Biology and Medicine</i> , 2016, 77, 148-155.	7.0	40
117	Brain responses to facial attractiveness induced by facial proportions: evidence from an fMRI study. <i>Scientific Reports</i> , 2016, 6, 35905.	3.3	33
118	Heredity characteristics of schizophrenia shown by dynamic functional connectivity analysis of resting-state functional MRI scans of unaffected siblings. <i>NeuroReport</i> , 2016, 27, 843-848.	1.2	34
119	A P300-Based Brain-Computer Interface for Chinese Character Input. <i>International Journal of Human-Computer Interaction</i> , 2016, 32, 878-884.	4.8	10
120	Brain Pattern Analysis Based on Magnetic Resonance Imaging. <i>Advances in Cognitive Neurodynamics</i> , 2016, , 49-51.	0.1	0
121	An Auditory-Tactile Visual Saccade-Independent P300 Brain-Computer Interface. <i>International Journal of Neural Systems</i> , 2016, 26, 1650001.	5.2	83
122	Changes in functional connectivity dynamics associated with vigilance network in taxi drivers. <i>NeuroImage</i> , 2016, 124, 367-378.	4.2	61
123	Default network connectivity decodes brain states with simulated microgravity. <i>Cognitive Neurodynamics</i> , 2016, 10, 113-120.	4.0	11
124	Decoding Brain States with Simulated Microgravity from Baseline Using Functional Connectivity of Default Network. <i>Advances in Cognitive Neurodynamics</i> , 2016, , 325-330.	0.1	7
125	Negative hemodynamic response in the cortex: evidence opposing neuronal deactivation revealed via optical imaging and electrophysiological recording. <i>Journal of Neurophysiology</i> , 2015, 114, 2152-2161.	1.8	21
126	Evidence of a dissociation pattern in default mode subnetwork functional connectivity in schizophrenia. <i>Scientific Reports</i> , 2015, 5, 14655.	3.3	59

#	ARTICLE	IF	CITATIONS
127	Co-Expressing Patterns of Schizophrenia Candidate Genes in Brain Regions. Journal of Computational and Theoretical Nanoscience, 2015, 12, 155-159.	0.4	0
128	Gray Matter Loss and Related Functional Connectivity Alterations in A Chinese Family With Benign Adult Familial Myoclonic Epilepsy. Medicine (United States), 2015, 94, e1767.	1.0	7
129	Predicting clinical responses in major depression using intrinsic functional connectivity. NeuroReport, 2015, 26, 675-680.	1.2	35
130	Anticorrelated networks in resting-state fMRI-BOLD data. Bio-Medical Materials and Engineering, 2015, 26, S1201-S1211.	0.6	9
131	Predicting individual brain maturity using dynamic functional connectivity. Frontiers in Human Neuroscience, 2015, 9, 418.	2.0	97
132	State-dependent and trait-related gray matter changes in nonrefractory depression. NeuroReport, 2015, 26, 57-65.	1.2	19
133	EEG-Based Perceived Tactile Location Prediction. IEEE Transactions on Autonomous Mental Development, 2015, 7, 342-348.	1.6	9
134	Spatio-temporal analysis of spontaneous low frequency oscillations to single whisker stimulation in rat cerebral cortex. , 2015, , .		0
135	Fusing Sorted Random Projections for Robust Texture and Material Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 482-496.	8.3	18
136	Multiobjective Reinforcement Learning: A Comprehensive Overview. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 385-398.	9.3	167
137	A Hybrid Brain-Computer Interface Based on the Fusion of P300 and SSVEP Scores. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 693-701.	4.9	148
138	Salient Region Detection via Integrating Diffusion-Based Compactness and Local Contrast. IEEE Transactions on Image Processing, 2015, 24, 3308-3320.	9.8	105
139	Multivariate pattern analysis reveals anatomical connectivity differences between the left and right mesial temporal lobe epilepsy. NeuroImage: Clinical, 2015, 7, 555-561.	2.7	20
140	Decoding the processing of lying using functional connectivity MRI. Behavioral and Brain Functions, 2015, 11, 1.	3.3	38
141	Improve scene classification by using feature and kernel combination. Neurocomputing, 2015, 170, 213-220.	5.9	11
142	Altered functional connectivity among default, attention, and control networks in idiopathic generalized epilepsy. Epilepsy and Behavior, 2015, 46, 118-125.	1.7	39
143	Including Signal Intensity Increases the Performance of Blind Source Separation on Brain Imaging Data. IEEE Transactions on Medical Imaging, 2015, 34, 551-563.	8.9	13
144	A novel Morse code-inspired method for multiclass motor imagery brain-computer interface (BCI) design. Computers in Biology and Medicine, 2015, 66, 11-19.	7.0	28

#	ARTICLE	IF	CITATIONS
145	Large-scale functional brain network changes in taxi drivers: Evidence from resting-state fMRI. Human Brain Mapping, 2015, 36, 862-871.	3.6	24
146	A Dynamically Optimized SSVEP Brain-Computer Interface (BCI) Speller. IEEE Transactions on Biomedical Engineering, 2015, 62, 1447-1456.	4.2	194
147	Adaptive NN Control of a Class of Nonlinear Systems With Asymmetric Saturation Actuators. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1532-1538.	11.3	166
148	The Potential of Using Brain Images for Authentication. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	1
149	Hybrid Brain-Computer Interface (BCI) based on the EEG and EOG signals. Bio-Medical Materials and Engineering, 2014, 24, 2919-2925.	0.6	18
150	A novel task-oriented optimal design for P300-based brain-computer interfaces. Journal of Neural Engineering, 2014, 11, 056003.	3.5	37
151	Neurobiological basis of head motion in brain imaging. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6058-6062.	7.1	265
152	A Novel Steady-State Visually Evoked Potential-Based Brain-Computer-Interface Paradigm to Steer a Humanoid Robot. , 2014, , .		3
153	Abnormality of inter-network dynamic interaction in resting-state brains of schizophrenic patients. , 2014, , .		0
154	Schizophrenia Candidate Genes Specific to Human Brain Region are Restricted to Basal Ganglia. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2414-2418.	0.4	0
155	A New Technique for INS/GNSS Attitude and Parameter Estimation Using Online Optimization. IEEE Transactions on Signal Processing, 2014, 62, 2642-2655.	5.3	76
156	IF: isolating fault nodes with mobile scanner. International Journal of Communication Systems, 2014, 27, 592-605.	2.5	1
157	Disruptive changes of cerebellar functional connectivity with the default mode network in schizophrenia. Schizophrenia Research, 2014, 160, 67-72.	2.0	78
158	Internetwork dynamic connectivity effectively differentiates schizophrenic patients from healthy controls. NeuroReport, 2014, 25, 1344-1349.	1.2	24
159	Decreased white matter integrity in mesial temporal lobe epilepsy. NeuroReport, 2014, 25, 788-794.	1.2	14
160	Stimulus-dependent modulation of spontaneous low-frequency oscillations in the rat visual cortex. NeuroReport, 2014, 25, 823-828.	1.2	6
161	Gait cadence detection based on surface electromyography (sEMG) of lower limb muscles. , 2014, , .		1
162	Hemodynamic and electrophysiological spontaneous low-frequency oscillations in the cortex: Directional influences revealed by Granger causality. NeuroImage, 2014, 85, 810-822.	4.2	13

#	ARTICLE	IF	CITATIONS
163	Altered default mode and fronto-parietal network subsystems in patients with schizophrenia and their unaffected siblings. Brain Research, 2014, 1562, 87-99.	2.2	71
164	Action recognition by hidden temporal models. Visual Computer, 2014, 30, 1395-1404.	3.5	21
165	Learning Effective Event Models to Recognize a Large Number of Human Actions. IEEE Transactions on Multimedia, 2014, 16, 147-158.	7.2	19
166	A Speedy Hybrid BCI Spelling Approach Combining P300 and SSVEP. IEEE Transactions on Biomedical Engineering, 2014, 61, 473-483.	4.2	120
167	Unsupervised classification of major depression using functional connectivity MRI. Human Brain Mapping, 2014, 35, 1630-1641.	3.6	158
168	Impaired Frontal-Basal Ganglia Connectivity in Adolescents with Internet Addiction. Scientific Reports, 2014, 4, 5027.	3.3	58
169	Multiclass Pattern Analysis of Whole-Brain Functional Connectivity of Schizophrenia and Their Healthy Siblings. Advances in Intelligent Systems and Computing, 2014, , 25-34.	0.6	0
170	Graph-based image segmentation using directional nearest neighbor graph. Science China Information Sciences, 2013, 56, 1-10.	4.3	6
171	Scene recognition combining structural and textural features. Science China Information Sciences, 2013, 56, 1-14.	4.3	5
172	New insight at level set & Gaussian mixture model for natural image segmentation. Signal, Image and Video Processing, 2013, 7, 521-536.	2.7	9
173	A novel hybrid BCI speller based on the incorporation of SSVEP into the P300 paradigm. Journal of Neural Engineering, 2013, 10, 026012.	3.5	172
174	Altered cerebellarâ€ cerebral resting-state functional connectivity reliably identifies major depressive disorder. Brain Research, 2013, 1495, 86-94.	2.2	79
175	A Treatment-Resistant Default Mode Subnetwork in Major Depression. Biological Psychiatry, 2013, 74, 48-54.	1.3	295
176	Functional connectivity-based signatures of schizophrenia revealed by multiclass pattern analysis of resting-state fMRI from schizophrenic patients and their healthy siblings. BioMedical Engineering OnLine, 2013, 12, 10.	2.7	57
177	Scene classification using a multi-resolution bag-of-features model. Pattern Recognition, 2013, 46, 424-433.	8.1	131
178	Scene classification using multi-resolution low-level feature combination. Neurocomputing, 2013, 122, 284-297.	5.9	27
179	Altered spontaneous activity in antisocial personality disorder revealed by regional homogeneity. NeuroReport, 2013, 24, 590-595.	1.2	15
180	Balancing an Inverted Pendulum with an EEG-Based BCI. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
181	Convergent and Divergent Functional Connectivity Patterns in Schizophrenia and Depression. PLoS ONE, 2013, 8, e68250.	2.5	59
182	Discriminative analysis of non-linear brain connectivity in schizophrenia: an fMRI Study. Frontiers in Human Neuroscience, 2013, 7, 702.	2.0	55
183	A Subarea-Location Joint Spelling Paradigm for the BCI Control. Lecture Notes in Computer Science, 2013, , 368-375.	1.3	3
184	Confirming the Diversity of the Brain after Normalization: An Approach Based on Identity Authentication. PLoS ONE, 2013, 8, e54328.	2.5	4
185	Decreased Thalamocortical Functional Connectivity after 36 Hours of Total Sleep Deprivation: Evidence from Resting State fMRI. PLoS ONE, 2013, 8, e78830.	2.5	90
186	Improve Scene Classification by Using Feature and Kernel Combination. Lecture Notes in Computer Science, 2013, , 128-135.	1.3	0
187	Video-based face recognition using image averaging technique. , 2012, , .		0
188	Potential risk for healthy siblings to develop schizophrenia. NeuroReport, 2012, 23, 265-269.	1.2	21
189	Identifying major depression using whole-brain functional connectivity: a multivariate pattern analysis. Brain, 2012, 135, 1498-1507.	7.6	659
190	Balancing a simulated inverted pendulum through motor imagery: An EEG-based real-time control paradigm. Neuroscience Letters, 2012, 524, 95-100.	2.1	20
191	Changes in brain gray matter in abstinent heroin addicts. Drug and Alcohol Dependence, 2012, 126, 304-308.	3.2	77
192	Combined structural and resting-state functional MRI analysis of sexual dimorphism in the young adult human brain: An MVPA approach. NeuroImage, 2012, 61, 931-940.	4.2	100
193	Antidepressant Treatment Normalizes White Matter Volume in Patients with Major Depression. PLoS ONE, 2012, 7, e44248.	2.5	65
194	Decoding Lifespan Changes of the Human Brain Using Resting-State Functional Connectivity MRI. PLoS ONE, 2012, 7, e44530.	2.5	100
195	Increased Cortical-Limbic Anatomical Network Connectivity in Major Depression Revealed by Diffusion Tensor Imaging. PLoS ONE, 2012, 7, e45972.	2.5	86
196	Task-Dependent Modulation of Effective Connectivity within the Default Mode Network. Frontiers in Psychology, 2012, 3, 206.	2.1	69
197	On the role of a priori knowledge in the optimization of quantum information processing. Quantum Information Processing, 2012, 11, 639-673.	2.2	2
198	Tracking objects using shape context matching. Neurocomputing, 2012, 83, 47-55.	5.9	32

#	ARTICLE	IF	CITATIONS
199	Observability of Strapdown INS Alignment: A Global Perspective. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 78-102.	4.7	94
200	Estimating Medication Status via Resting-State Functional Connectivity in Major Depression. Lecture Notes in Computer Science, 2012, , 153-159.	1.3	2
201	Sparse Representation of Brain Aging: Extracting Covariance Patterns from Structural MRI. PLoS ONE, 2012, 7, e36147.	2.5	22
202	Altered Cerebellar Functional Connectivity with Intrinsic Connectivity Networks in Adults with Major Depressive Disorder. PLoS ONE, 2012, 7, e39516.	2.5	97
203	Hierarchical Approximate Policy Iteration With Binary-Tree State Space Decomposition. IEEE Transactions on Neural Networks, 2011, 22, 1863-1877.	4.2	37
204	Generalised filtering and stochastic DCM for fMRI. Neurolmage, 2011, 58, 442-457.	4.2	177
205	Gaze independent brainâ€“computer speller with covert visual search tasks. Clinical Neurophysiology, 2011, 122, 1127-1136.	1.5	71
206	Hemodynamic observation and spike recording explain the neuronal deactivation origin of negative response in rat. Brain Research Bulletin, 2011, 84, 157-162.	3.0	13
207	Age-related Classification and Prediction Based on MRI: A Sparse Representation Method. Procedia Environmental Sciences, 2011, 8, 645-652.	1.4	11
208	Schizophrenic Patients and Their Unaffected Siblings Show Similar Abnormalities in Resting-State Functional Connectivity. Procedia Environmental Sciences, 2011, 8, 715-722.	1.4	1
209	Cerebral Arteryâ€“Vein Separation Using 0.1-Hz Oscillation in Dual-Wavelength Optical Imaging. IEEE Transactions on Medical Imaging, 2011, 30, 2030-2043.	8.9	8
210	Continuous-action reinforcement learning with fast policy search and adaptive basis function selection. Soft Computing, 2011, 15, 1055-1070.	3.6	17
211	Processing real-world imagery with FACADE-based approaches. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 120-136.	0.6	1
212	Natural scene recognition using weighted histograms of gradient orientation descriptor. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 318-327.	0.6	3
213	Classification of schizophrenic patients and healthy controls using multiple spatially independent components of structural MRI data. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2011, 6, 353-362.	0.6	3
214	Optimization-based alignment for inertial navigation systems: Theory and algorithm. Aerospace Science and Technology, 2011, 15, 1-17.	4.8	189
215	SMR-Speller: A novel Brain-Computer Interface spell paradigm. , 2011, , .		2
216	Separation of arteries and veins from optical imaging of intrinsic signals using independent component analysis. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
217	A study of schizophrenia inheritance through pattern classification. , 2011, , .		2
218	Sustained Negative BOLD Response in Human fMRI Finger Tapping Task. PLoS ONE, 2011, 6, e23839.	2.5	26
219	Study of target detection based on top-down visual attention. , 2010, , .		4
220	OI and fMRI Signal Separation Using Both Temporal and Spatial Autocorrelations. IEEE Transactions on Biomedical Engineering, 2010, 57, 1917-1926.	4.2	15
221	Bilateral functional asymmetry disparity in positive and negative schizophrenia revealed by resting-state fMRI. Psychiatry Research - Neuroimaging, 2010, 182, 30-39.	1.8	34
222	Abnormal anterior cingulum integrity in first episode, early-onset schizophrenia: A diffusion tensor imaging study. Brain Research, 2010, 1343, 199-205.	2.2	48
223	Spike classification with multivariate t-distribution mixture model via improved Expectation-Maximization algorithm. , 2010, , .		1
224	Separation of arteries and veins in the cerebral cortex using physiological oscillations by optical imaging of intrinsic signal. Journal of Biomedical Optics, 2010, 15, 036025.	2.6	8
225	A SCANNER BASED PALMPRINT VERIFICATION SYSTEM FOR CIVIL APPLICATION. International Journal of Information Acquisition, 2010, 07, 259-268.	0.2	0
226	Image fusion of palmprint and palm vein: Multispectral palm image fusion. , 2010, , .		9
227	Discriminative analysis of resting-state functional connectivity patterns of schizophrenia using low dimensional embedding of fMRI. NeuroImage, 2010, 49, 3110-3121.	4.2	331
228	Distinguishing schizophrenic patients from healthy controls based on MRI data: A tensor linear discriminant approach. , 2010, , .		1
229	Comparison of stimulus types in visual P300 speller of brain-computer interfaces. , 2010, , .		11
230	Structured noise analysis in intrinsic optical imaging. , 2010, , .		0
231	Study on Character of Negative Signals in Rat with Electrical Stimulation. , 2010, , .		0
232	From Laplacian Eigenmaps to Kernel Locality Preserving Projections: Equivalence or Improvement?. , 2009, , .		2
233	OI and fMRI Signal Separation by Maximizing Both Temporal and Spatial Structures. , 2009, , .		0
234	A New Implement Method for Maximizing Autocorrelation in Blind Signal Separation. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
235	Local region structured noise reduction for cortical optical imaging. Neurocomputing, 2009, 72, 2242-2248.	5.9	0
236	Incremental Laplacian eigenmaps by preserving adjacent information between data points. Pattern Recognition Letters, 2009, 30, 1457-1463.	4.2	46
237	Boundedness and global convergence of non-autonomous neural networks with variable delays. Nonlinear Analysis: Real World Applications, 2009, 10, 2195-2206.	1.7	11
238	Combining Resting-state fMRI and DTI Analysis for Early-onset Schizophrenia. International Journal of Computational Intelligence Systems, 2009, 2, 375-385.	2.7	4
239	Palmprint verification system using moiré pattern. , 2009, , .		1
240	Handprint Recognition: A Novel Biometric Technology. Lecture Notes in Computer Science, 2009, , 630-637.	1.3	0
241	Combining Resting-state fMRI and DTI Analysis for Early-onset Schizophrenia. International Journal of Computational Intelligence Systems, 2009, 2, 375.	2.7	1
242	Differential evolution strategy for over-actuated control allocation problem with nonmonotonic nonlinearities. , 2009, , .		1
243	A Direct Locality Preserving Projections (DLPP) Algorithm for Image Recognition. Neural Processing Letters, 2008, 27, 247-255.	3.2	31
244	Functional asymmetry in the cerebellum: A brief review. Cerebellum, 2008, 7, 304-313.	2.5	61
245	Comment on "two-dimensional locality preserving projections (2DLPP) with its application to palmprint recognition". Pattern Recognition, 2008, 41, 1427.	8.1	53
246	Noisy manifold learning using neighborhood smoothing embedding. Pattern Recognition Letters, 2008, 29, 1613-1620.	4.2	23
247	fMRI Noise Reduction Based on Canonical Correlation Analysis and Surrogate Test. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 870-878.	10.8	5
248	Design of an artificial bionic neural network to control fish-robot's locomotion. Neurocomputing, 2008, 71, 648-654.	5.9	40
249	Globally Consistent Reconstruction of Ripped-Up Documents. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1-13.	13.9	80
250	Convergence of Nonautonomous Cohen—Grossberg-Type Neural Networks With Variable Delays. IEEE Transactions on Neural Networks, 2008, 19, 140-147.	4.2	22
251	Learning spatial prior with automatically labeled landmarks. , 2008, , .		1
252	Robust reconfigurable flight control based on control reallocation for a tailless aircraft. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
253	A THEORETICAL FRAMEWORK FOR MATRIX-BASED FEATURE EXTRACTION ALGORITHMS WITH ITS APPLICATION TO IMAGE RECOGNITION. International Journal of Image and Graphics, 2008, 08, 1-23.	1.5	10
254	C2 decision support system based on Symbiotic Simulation. , 2008, , .		1
255	Functional asymmetry in the cerebellum: A brief review. Cerebellum, 2008, 7, 1-10.	2.5	7
256	Generalized Controllability of Quantum Systems: Beyond the Limitation of Open-loop Controllability. Proceedings of the American Control Conference, 2007, , .	0.0	0
257	Combating dephasing decoherence by periodically performing tracking control and projective measurement. Physical Review A, 2007, 76, .	2.5	20
258	Anisotropic Asymmetry Analysis in Diffusion Tensor Images of Healthy an Heroin-dependent Subjects. , 2007, , .		0
259	Unified nonsingular tracking and stabilization controller design for unicycle-type wheeled mobile robots. Advanced Robotics, 2007, 21, 711-728.	1.8	4
260	Focal cerebral ischemia in rats by photothrombosis of cortical microvessels. , 2007, , .		0
261	Kernel-Based Least Squares Policy Iteration for Reinforcement Learning. IEEE Transactions on Neural Networks, 2007, 18, 973-992.	4.2	205
262	Comments on "Performance evaluation of UKF-based nonlinear filtering". Automatica, 2007, 43, 567-568.	5.0	24
263	Two-dimensional locality preserving projections (2DLPP) with its application to palmprint recognition. Pattern Recognition, 2007, 40, 339-342.	8.1	268
264	Advanced fuzzy cellular neural network: Application to CT liver images. Artificial Intelligence in Medicine, 2007, 39, 65-77.	6.5	68
265	Retrograde adaptive resonance theory based on the role of nitric oxide in long-term potentiation. Journal of Computational Neuroscience, 2007, 23, 129-141.	1.0	3
266	Possibility Theoretic Clustering and its Preliminary Application to Large Image Segmentation. Soft Computing, 2007, 11, 103-113.	3.6	6
267	Spatio-temporal analysis of stimuli-modulated spontaneous low frequency oscillations. Science Bulletin, 2007, 52, 1475-1483.	1.7	11
268	Robust Stabilization of Wheeled Mobile Robots Moving on Uncertain Uneven Surface. , 2006, , .		3
269	Design of a Central Pattern Generator for Bionic-robot Joint with Angular Frequency Modulation. , 2006, , .		8
270	CATSMPL: Toward a Robust and Interpretable Multilayer Perceptron With Sigmoid Activation Functions. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 1319-1331.	5.0	16

#	ARTICLE	IF	CITATIONS
271	Strapdown inertial navigation using dual quaternion algebra: error analysis. IEEE Transactions on Aerospace and Electronic Systems, 2006, 42, 259-266.	4.7	31
272	Intrataask and intertask asymmetry analysis of motor function. NeuroReport, 2006, 17, 1143-1147.	1.2	13
273	Observability analysis of rotation estimation by fusing inertial and line-based visual information: A revisit. Automatica, 2006, 42, 1809-1812.	5.0	14
274	Existence and global exponential stability of periodic solution for Cohenâ€“Grossberg neural networks with delays. Nonlinear Analysis: Real World Applications, 2006, 7, 572-590.	1.7	21
275	Active Suspension Control Design Using a Combination of LQR and Backstepping. , 2006, , .		14
276	An alternative formulation of kernel LPP with application to image recognition. Neurocomputing, 2006, 69, 1733-1738.	5.9	60
277	Gray matter density reduction in the insula in fire survivors with posttraumatic stress disorder: A voxel-based morphometric study. Psychiatry Research - Neuroimaging, 2006, 146, 65-72.	1.8	128
278	A Finite-Time Controller for a Class of Wheeled Mobile Robots. , 2006, , .		1
279	Control of Open Quantum Dynamical Systems. , 2006, , .		0
280	Control of the quantum open system via quantum generalized measurement. Physical Review A, 2006, 73, .	2.5	22
281	Robust Tracking Control of Wheeled Mobile Robots Not Satisfying Nonholonomic Constraints. , 2006, , .		6
282	Feature Extraction and Pattern Classification on Mining Electroencephalography Data for Brain-Computer Interface. , 2006, , 864-869.		1
283	A Partial Curve Matching Method for Automatic Reassembly of 2D Fragments. , 2006, , 645-650.		10
284	Local Stability Analysis of Maximum Nongaussianity Estimation in Independent Component Analysis. Lecture Notes in Computer Science, 2006, , 1133-1139.	1.3	0
285	Stability and bifurcation analysis on a discrete-time neural network. Journal of Computational and Applied Mathematics, 2005, 177, 89-100.	2.0	49
286	ON THE GLOBAL ASYMPTOTIC STABILITY ANALYSIS OF DELAYED NEURAL NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 4019-4025.	1.7	8
287	A Novel LDA Approach for High-Dimensional Data. Lecture Notes in Computer Science, 2005, , 209-212.	1.3	1
288	Palmprint Recognition Based on Unsupervised Subspace Analysis. Lecture Notes in Computer Science, 2005, , 675-678.	1.3	2

#	ARTICLE	IF	CITATIONS
289	Unscented Kalman filtering for additive noise case: augmented versus nonaugmented. IEEE Signal Processing Letters, 2005, 12, 357-360.	3.6	110
290	Unified SPM–ICA for fMRI analysis. NeuroImage, 2005, 25, 746-755.	4.2	67
291	Strapdown inertial navigation system algorithms based on dual quaternions. IEEE Transactions on Aerospace and Electronic Systems, 2005, 41, 110-132.	4.7	190
292	Applying Advanced Fuzzy Cellular Neural Network AFCNN to Segmentation of Serial CT Liver Images. Lecture Notes in Computer Science, 2005, , 1128-1131.	1.3	4
293	Spatial and Temporal Analysis for Optical Imaging Data Using CWT and tICA. Lecture Notes in Computer Science, 2005, , 508-516.	1.3	2
294	Global Convergence of FastICA: Theoretical Analysis and Practical Considerations. Lecture Notes in Computer Science, 2005, , 700-705.	1.3	4
295	Self-organized Locally Linear Embedding for Nonlinear Dimensionality Reduction. Lecture Notes in Computer Science, 2005, , 101-109.	1.3	8
296	Possibility Theoretic Clustering. Lecture Notes in Computer Science, 2005, , 849-858.	1.3	1
297	When Faces Are Combined with Palmprints: A Novel Biometric Fusion Strategy. Lecture Notes in Computer Science, 2004, , 701-707.	1.3	44
298	A New Computational Model of Biological Vision for Stereopsis. Lecture Notes in Computer Science, 2004, , 525-530.	1.3	3
299	Stability and bifurcation analysis on adiscrete-time system of two neurons. Applied Mathematics Letters, 2004, 17, 1239-1245.	2.7	29
300	Digital Curvelet Transform for Palmprint Recognition. Lecture Notes in Computer Science, 2004, , 639-645.	1.3	16
301	Diffusion and Growing Self-Organizing Map: A Nitric Oxide Based Neural Model. Lecture Notes in Computer Science, 2004, , 199-204.	1.3	4
302	Mobile Robot Path-Tracking Using an Adaptive Critic Learning PD Controller. Lecture Notes in Computer Science, 2004, , 25-34.	1.3	1
303	Spatio-temporal Identification of Hemodynamics in fMRI: A Data-Driven Approach. Lecture Notes in Computer Science, 2004, , 213-220.	1.3	1
304	The Existence of Spurious Equilibrium in FastICA. Lecture Notes in Computer Science, 2004, , 708-713.	1.3	1
305	An Improvement to Unscented Transformation. Lecture Notes in Computer Science, 2004, , 1024-1029.	1.3	6
306	Spatial independent component analysis of functional brain optical imaging. , 2003, , .		0

#	ARTICLE	IF	CITATIONS
307	A novel method for generating pseudorandom integer strings and pseudorandom sequences. Science in China Series D: Earth Sciences, 2000, 43, 413-420.	0.9	1
308	An Evaluation of Linear Model Analysis Techniques for Processing Images of Microcirculation Activity. Neurolmage, 1998, 7, 49-71.	4.2	67
309	A new algorithm for chaotic system identification based on self-organizing neural gas. , 0, , .		0
310	On nonlinear independent component analysis using self-organizing map. , 0, , .		1
311	ReART: a Novel Adaptive Resonance Theory for Pattern Learning and Recognition based on NO Retrograde. , 0, , .		0
312	The Combination of Univariate and Multivariate Method for fMRI Data Analysis. , 0, , .		0
313	On the Proof of 1-Bit-Matching Conjecture for ICA. , 0, , .		0
314	Unscented Kalman filtering for additive noise case: augmented vs. non-augmented. , 0, , .		6
315	T-weighted Approach for Neural Information Processing in P300 based Brain-Computer Interface. , 0, , .		8
316	Altered Functional Network Connectivity of Precuneus and Executive Control Networks in Type 2 Diabetes Mellitus Without Cognitive Impairment. Frontiers in Neuroscience, 0, 16, .	2.8	2