

Xiao-Li Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7831671/publications.pdf>

Version: 2024-02-01

324
papers

8,691
citations

50276

46
h-index

79698

73
g-index

333
all docs

333
docs citations

333
times ranked

8195
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep EEG Superresolution via Correlating Brain Structural and Functional Connectivities. IEEE Transactions on Cybernetics, 2023, 53, 4410-4422.	9.5	7
2	Dimensionality Reduction Methods for Brain Imaging Data Analysis. ACM Computing Surveys, 2022, 54, 1-36.	23.0	10
3	Propofol Anesthesia Decreased the Efficiency of Long-Range Cortical Interaction in Humans. IEEE Transactions on Biomedical Engineering, 2022, 69, 165-175.	4.2	6
4	Automatic classification of ASD children using appearance-based features from videos. Neurocomputing, 2022, 470, 40-50.	5.9	5
5	Effects of 1Hz repetitive transcranial magnetic stimulation on autism with intellectual disability: A pilot study. Computers in Biology and Medicine, 2022, 141, 105167.	7.0	7
6	Adaptive feature selection with shapley and hypothetical testing: Case study of EEG feature engineering. Information Sciences, 2022, 586, 374-390.	6.9	12
7	A Spatio-Temporal Method for Extracting Gamma-Band Features to Enhance Classification in a Rapid Serial Visual Presentation Task. International Journal of Neural Systems, 2022, , 2250010.	5.2	5
8	Sex Difference in the Association Between Neutrophil to Lymphocyte Ratio and Severity of Coronary Artery Disease. Angiology, 2022, 73, 470-477.	1.8	10
9	Scale-free dynamics of microstate sequence in negative schizophrenia and depressive disorder. Computers in Biology and Medicine, 2022, 143, 105287.	7.0	4
10	Application of Fast Perturbational Complexity Index to the Diagnosis and Prognosis for Disorders of Consciousness. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 509-518.	4.9	11
11	Analysis of Prognostic Risk Factors for Ischemic Stroke in China: A Multicentre Retrospective Clinical Study; A National Survey in China. Current Neurovascular Research, 2022, 19, 117-126.	1.1	1
12	Enhancement of functional corticomuscular coupling after transcranial ultrasound stimulation in mice. Journal of Neural Engineering, 2022, 19, 026014.	3.5	1
13	ADHD Children Identification With Multiview Feature Fusion of fNIRS Signals. IEEE Sensors Journal, 2022, 22, 13536-13543.	4.7	2
14	A Feature-Fused Convolutional Neural Network for Emotion Recognition From Multichannel EEG Signals. IEEE Sensors Journal, 2022, 22, 11954-11964.	4.7	11
15	Cortical complexity and connectivity during isoflurane-induced general anesthesia: a rat study. Journal of Neural Engineering, 2022, 19, 036009.	3.5	9
16	Multiscale One-Class Classification Network for Machine Health Monitoring. IEEE Sensors Journal, 2022, 22, 13043-13054.	4.7	3
17	Dual-CNN based multi-modal sleep scoring with temporal correlation driven fine-tuning. Neurocomputing, 2021, 420, 317-328.	5.9	20
18	Endothelium-specific endothelin-1 expression promotes pro-inflammatory macrophage activation by regulating miR-33/NR4A axis. Experimental Cell Research, 2021, 399, 112443.	2.6	20

#	ARTICLE	IF	CITATIONS
19	Cross-frequency and iso-frequency estimation of functional corticomuscular coupling after stroke. <i>Cognitive Neurodynamics</i> , 2021, 15, 439-451.	4.0	11
20	Incremental Factorization of Big Time Series Data with Blind Factor Approximation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021, 33, 569-584.	5.7	32
21	Transcranial Magnetic Stimulation in Autism Spectrum Disorders: Modulating Brainwave Abnormalities and Behaviors. <i>Contemporary Clinical Neuroscience</i> , 2021, , 297-310.	0.3	1
22	Measuring Phase-Amplitude Coupling Based on the Jensen-Shannon Divergence and Correlation Matrix. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1375-1385.	4.9	3
23	Effect of Anodic Transcranial Direct Current Stimulation Combined With Speech Language Therapy on Nonfluent Poststroke Aphasia. <i>Neuromodulation</i> , 2021, 24, 923-929.	0.8	8
24	The effect of somatosensory alpha transcranial alternating current stimulation on pain empathy is trait empathy and gender dependent. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 687-693.	3.9	3
25	Clinical application of intraoperative trial-free online-based language mapping for patients with refractory epilepsy. <i>Epilepsy and Behavior</i> , 2021, 116, 107496.	1.7	1
26	AOAR: an automatic ocular artifact removal approach for multi-channel electroencephalogram data based on non-negative matrix factorization and empirical mode decomposition. <i>Journal of Neural Engineering</i> , 2021, 18, 056012.	3.5	12
27	Low-Intensity Pulsed Ultrasound Stimulation Inhibits Cortical Spreading Depression. <i>Cerebral Cortex</i> , 2021, 31, 3872-3880.	2.9	7
28	Coupling feature extraction method of resting state EEG Signals from amnesic mild cognitive impairment with type 2 diabetes mellitus based on weight permutation conditional mutual information. <i>Cognitive Neurodynamics</i> , 2021, 15, 987-997.	4.0	3
29	The Effect of Low-Intensity Transcranial Ultrasound Stimulation on Neural Oscillation and Hemodynamics in the Mouse Visual Cortex Depends on Anesthesia Level and Ultrasound Intensity. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1619-1626.	4.2	13
30	Multiscale multivariate transfer entropy and application to functional corticocortical coupling. <i>Journal of Neural Engineering</i> , 2021, 18, 046056.	3.5	4
31	The Significance of EEG Alpha Oscillation Spectral Power and Beta Oscillation Phase Synchronization for Diagnosing Probable Alzheimer Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 631587.	3.4	7
32	The Modulating Effect of Top-down Attention on the Optimal Pre-target Onset Oscillatory States of Bottom-up Attention. <i>Neuroscience</i> , 2021, 466, 186-195.	2.3	3
33	Low-cost plastic optical fiber sensor embedded in mattress for sleep performance monitoring. <i>Optical Fiber Technology</i> , 2021, 64, 102541.	2.7	44
34	Mental workload classification based on ignored auditory probes and spatial covariance. <i>Journal of Neural Engineering</i> , 2021, 18, 0460c9.	3.5	3
35	Accurate assessment of low-function autistic children based on EEG feature fusion. <i>Journal of Clinical Neuroscience</i> , 2021, 90, 351-358.	1.5	6
36	Regulation of TWIK-related K ⁺ channel 1 in the anterior hippocampus of patients with temporal lobe epilepsy with comorbid depression. <i>Epilepsy and Behavior</i> , 2021, 121, 108045.	1.7	3

#	ARTICLE	IF	CITATIONS
37	Subject sensitive EEG discrimination with fast reconstructable CNN driven by reinforcement learning: A case study of ASD evaluation. <i>Neurocomputing</i> , 2021, 449, 136-145.	5.9	20
38	Predictive value of CHADS2 and CHA2DS2-VASc scores for coronary artery lesions and in-hospital prognosis of patients with acute ST-segment elevation myocardial infarction. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 439.	1.7	7
39	Automated sleep spindle detection with mixed EEG features. <i>Biomedical Signal Processing and Control</i> , 2021, 70, 103026.	5.7	6
40	Nonlinear Phase Synchronization Analysis of EEG Signals in Amnesic Mild Cognitive Impairment with Type 2 Diabetes Mellitus. <i>Neuroscience</i> , 2021, 472, 25-34.	2.3	7
41	Comparison of synchrosqueezing transform to alternative methods for time-frequency analysis of TMS-evoked EEG oscillations. <i>Biomedical Signal Processing and Control</i> , 2021, 70, 102975.	5.7	7
42	Spontaneous transient brain states in EEG source space in disorders of consciousness. <i>NeuroImage</i> , 2021, 240, 118407.	4.2	23
43	Age-dependent cross frequency coupling features from children to adults during general anesthesia. <i>NeuroImage</i> , 2021, 240, 118372.	4.2	8
44	Classification of ERP signal from amnesic mild cognitive impairment with type 2 diabetes mellitus using single-scale multi-input convolution neural network. <i>Journal of Neuroscience Methods</i> , 2021, 363, 109353.	2.5	3
45	Embedded FBG-Based Sensor for Joint Movement Monitoring. <i>IEEE Sensors Journal</i> , 2021, 21, 26793-26798.	4.7	40
46	Clinical and laboratory characteristics of hemophagocytic lymphohistiocytosis induced by <i>Leishmania infantum</i> infection. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009944.	3.0	7
47	A Rare Case of Cysticercosis Involving the Whole Spinal Canal. <i>Acta Parasitologica</i> , 2021, , 1.	1.1	1
48	Functional mapping of language-related areas from natural, narrative speech during awake craniotomy surgery. <i>NeuroImage</i> , 2021, 245, 118720.	4.2	0
49	Cloud-aided online EEG classification system for brain healthcare: A case study of depression evaluation with a lightweight CNN. <i>Software - Practice and Experience</i> , 2020, 50, 596-610.	3.6	54
50	Neuromodulation Effects of Ultrasound Stimulation Under Different Parameters on Mouse Motor Cortex. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 291-297.	4.2	38
51	Direct Interaction on Specific Frequency Bands in Functional Corticomuscular Coupling. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 762-772.	4.2	17
52	Constructing a Consciousness Meter Based on the Combination of Non-Linear Measurements and Genetic Algorithm-Based Support Vector Machine. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 399-408.	4.9	20
53	Information Integration and Mesoscopic Cortical Connectivity during Propofol Anesthesia. <i>Anesthesiology</i> , 2020, 132, 504-524.	2.5	25
54	Spinal cord stimulation modulates complexity of neural activities in patients with disorders of consciousness. <i>International Journal of Neuroscience</i> , 2020, 130, 662-670.	1.6	16

#	ARTICLE	IF	CITATIONS
55	Classifying ASD children with LSTM based on raw videos. <i>Neurocomputing</i> , 2020, 390, 226-238.	5.9	53
56	Transcranial Ultrasound Stimulation Directly Influences the Cortical Excitability of the Motor Cortex in Parkinsonian Mice. <i>Movement Disorders</i> , 2020, 35, 693-698.	3.9	39
57	The study of the differences between low-functioning autistic children and typically developing children in the processing of the own-race and other-race faces by the machine learning approach. <i>Journal of Clinical Neuroscience</i> , 2020, 81, 54-60.	1.5	11
58	An Accurate and Robust Method for Spike Sorting Based on Convolutional Neural Networks. <i>Brain Sciences</i> , 2020, 10, 835.	2.3	20
59	Transcranial direct current stimulation modulates brain functional connectivity in autism. <i>NeuroImage: Clinical</i> , 2020, 28, 102500.	2.7	14
60	Transcranial Magnetic Stimulation in Autism Spectrum Disorders: Neuropathological Underpinnings and Clinical Correlations. <i>Seminars in Pediatric Neurology</i> , 2020, 35, 100832.	2.0	9
61	Resting frontal EEG asymmetry and schizotypal traits: a test-retest study. <i>Cognitive Neuropsychiatry</i> , 2020, 25, 333-347.	1.3	4
62	Early Consciousness Disorder in Acute Large Hemispheric Infarction: An Analysis Based on Quantitative EEG and Brain Network Characteristics. <i>Neurocritical Care</i> , 2020, 33, 376-388.	2.4	13
63	A study on EEG feature extraction and classification in autistic children based on singular spectrum analysis method. <i>Brain and Behavior</i> , 2020, 10, e01721.	2.2	19
64	Speech in noise perception improved by training fine auditory discrimination: far and applicable transfer of perceptual learning. <i>Scientific Reports</i> , 2020, 10, 19320.	3.3	5
65	Imported Schistosomiasis: A New Public Health Challenge for China. <i>Frontiers in Medicine</i> , 2020, 7, 553487.	2.6	5
66	Translational Neuroscience in Autism. <i>Psychiatric Clinics of North America</i> , 2020, 43, 229-248.	1.3	5
67	Decision-Making Selector (DMS) for Integrating CCA-Based Methods to Improve Performance of SSVEP-Based BCIs. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1128-1137.	4.9	21
68	Feature Classification Method of Resting-State EEG Signals From Amnesic Mild Cognitive Impairment With Type 2 Diabetes Mellitus Based on Multi-View Convolutional Neural Network. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1702-1709.	4.9	17
69	The feature extraction of resting-state EEG signal from amnesic mild cognitive impairment with type 2 diabetes mellitus based on feature-fusion multispectral image method. <i>Neural Networks</i> , 2020, 124, 373-382.	5.9	13
70	Improving Brain E-Health Services via High-Performance EEG Classification With Grouping Bayesian Optimization. <i>IEEE Transactions on Services Computing</i> , 2020, 13, 696-708.	4.6	47
71	Stability-driven non-negative matrix factorization-based approach for extracting dynamic network from resting-state EEG. <i>Neurocomputing</i> , 2020, 389, 123-131.	5.9	9
72	Association between Loss of Sleep-specific Waves and Age, Sleep Efficiency, Body Mass Index, and Apnea-Hypopnea Index in Human N3 Sleep. , 2020, 11, 73.		12

#	ARTICLE	IF	CITATIONS
73	The identification of children with autism spectrum disorder by SVM approach on EEG and eye-tracking data. <i>Computers in Biology and Medicine</i> , 2020, 120, 103722.	7.0	106
74	Early childhood developmental functional connectivity of autistic brains with non-negative matrix factorization. <i>NeuroImage: Clinical</i> , 2020, 26, 102251.	2.7	12
75	Resting-state EEG signal classification of amnesic mild cognitive impairment with type 2 diabetes mellitus based on multispectral image and convolutional neural network. <i>Journal of Neural Engineering</i> , 2020, 17, 036005.	3.5	11
76	Measuring the Coupling Direction between Neural Oscillations with Weighted Symbolic Transfer Entropy. <i>Entropy</i> , 2020, 22, 1442.	2.2	3
77	EEG source estimation in a rare patient with cold-induced reflex epilepsy. <i>Epileptic Disorders</i> , 2020, 22, 489-493.	1.3	1
78	Toward Improving Social Interaction Ability for Children with Autism Spectrum Disorder Using Social Signals. <i>Advances in Analytics for Learning and Teaching</i> , 2020, , 153-174.	0.7	0
79	Promote detection of high frequency oscillation against the Gibbs phenomenon. , 2020, , .		0
80	Levodopa Reduces the Phase lag Index of Parkinson's Disease Patients: A Magnetoencephalographic Study. <i>Clinical EEG and Neuroscience</i> , 2019, 50, 134-140.	1.7	2
81	Low-Intensity Pulsed Ultrasound Stimulation Induces Coupling Between Ripple Neural Activity and Hemodynamics in the Mouse Visual Cortex. <i>Cerebral Cortex</i> , 2019, 29, 3220-3223.	2.9	19
82	Monitoring Wind Turbine Gearbox with Echo State Network Modeling and Dynamic Threshold Using SCADA Vibration Data. <i>Energies</i> , 2019, 12, 982.	3.1	10
83	Clinical and laboratory characterizations of hepatic capillariasis. <i>Acta Tropica</i> , 2019, 193, 206-210.	2.0	12
84	Transient seizure onset network for localization of epileptogenic zone: effective connectivity and graph theory-based analyses of ECoG data in temporal lobe epilepsy. <i>Journal of Neurology</i> , 2019, 266, 844-859.	3.6	18
85	Effects of repetitive transcranial magnetic stimulation on children with low-function autism. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 1254-1261.	3.9	19
86	Electroencephalography quadratic phase self-coupling correlates with consciousness states and restoration in patients with disorders of consciousness. <i>Clinical Neurophysiology</i> , 2019, 130, 1235-1242.	1.5	12
87	A deep learning framework for identifying children with ADHD using an EEG-based brain network. <i>Neurocomputing</i> , 2019, 356, 83-96.	5.9	116
88	Low-Intensity Pulsed Ultrasound Stimulation Modulates the Nonlinear Dynamics of Local Field Potentials in Temporal Lobe Epilepsy. <i>Frontiers in Neuroscience</i> , 2019, 13, 287.	2.8	21
89	Seizure control by low-intensity ultrasound in mice with temporal lobe epilepsy. <i>Epilepsy Research</i> , 2019, 154, 1-7.	1.6	38
90	EEG characteristics of children with attention-deficit/hyperactivity disorder. <i>Neuroscience</i> , 2019, 406, 444-456.	2.3	54

#	ARTICLE	IF	CITATIONS
91	Identifying mental workload using EEG and deep learning. , 2019, , .		2
92	Use transfer learning to promote identification ADHD children with EEG recordings. , 2019, , .		8
93	Transcranial magnetic stimulation-evoked connectivity reveals modulation effects of repetitive transcranial magnetic stimulation on patients with disorders of consciousness. <i>NeuroReport</i> , 2019, 30, 1307-1315.	1.2	18
94	EEG entropy analysis in autistic children. <i>Journal of Clinical Neuroscience</i> , 2019, 62, 199-206.	1.5	54
95	Inter-region Synchronization Analysis Based on Heterogeneous Matrix Similarity Measurement. <i>Lecture Notes in Computer Science</i> , 2019, , 258-272.	1.3	1
96	Nonlinear Neural Dynamics. , 2019, , 215-240.		3
97	Towards Brain Big Data Classification: Epileptic EEG Identification With a Lightweight VGGNet on Global MIC. <i>IEEE Access</i> , 2018, 6, 14722-14733.	4.2	72
98	Emergence EEG pattern classification in sevoflurane anesthesia. <i>Physiological Measurement</i> , 2018, 39, 045006.	2.1	25
99	Automated Detector of High Frequency Oscillations in Epilepsy Based on Maximum Distributed Peak Points. <i>International Journal of Neural Systems</i> , 2018, 28, 1750029.	5.2	33
100	Characterizing dynamics of absence seizure EEG with spatial-temporal permutation entropy. <i>Neurocomputing</i> , 2018, 275, 577-585.	5.9	28
101	No effect of transcranial direct current stimulation of the dorsolateral prefrontal cortex on short-term memory. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 58-63.	3.9	12
102	Identifying ADHD children using hemodynamic responses during a working memory task measured by functional near-infrared spectroscopy. <i>Journal of Neural Engineering</i> , 2018, 15, 035005.	3.5	34
103	Fronto-parietal coherence response to tDCS modulation in patients with disorders of consciousness. <i>International Journal of Neuroscience</i> , 2018, 128, 587-594.	1.6	48
104	Targeted migration of bone marrow mesenchymal stem cells inhibits silica-induced pulmonary fibrosis in rats. <i>Stem Cell Research and Therapy</i> , 2018, 9, 335.	5.5	42
105	The effect of anesthetic dose on the motor response induced by low-intensity pulsed ultrasound stimulation. <i>BMC Neuroscience</i> , 2018, 19, 78.	1.9	8
106	Identification of potential whole blood MicroRNA biomarkers for the blood stage of adult imported falciparum malaria through integrated mRNA and miRNA expression profiling. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 471-477.	2.1	21
107	Long-Range Temporal Correlations of Patients in Minimally Conscious State Modulated by Spinal Cord Stimulation. <i>Frontiers in Physiology</i> , 2018, 9, 1511.	2.8	15
108	The neural system of metacognition accompanying decision-making in the prefrontal cortex. <i>PLoS Biology</i> , 2018, 16, e2004037.	5.6	73

#	ARTICLE	IF	CITATIONS
109	Dissociable functional activities of cortical theta and beta oscillations in the lateral prefrontal cortex during intertemporal choice. <i>Scientific Reports</i> , 2018, 8, 11233.	3.3	8
110	Multiscale Information Transfer in Functional Corticomuscular Coupling Estimation Following Stroke: A Pilot Study. <i>Frontiers in Neurology</i> , 2018, 9, 287.	2.4	24
111	Transcranial Direct Current Stimulation (tDCS) Can Modulate EEG Complexity of Children With Autism Spectrum Disorder. <i>Frontiers in Neuroscience</i> , 2018, 12, 201.	2.8	29
112	Cortical Hemodynamic Responses Under Focused Ultrasound Stimulation Using Real-Time Laser Speckle Contrast Imaging. <i>Frontiers in Neuroscience</i> , 2018, 12, 269.	2.8	20
113	EEG-based multi-feature fusion assessment for autism. <i>Journal of Clinical Neuroscience</i> , 2018, 56, 101-107.	1.5	27
114	Continuous behavioral tracing-based online functional brain mapping with intracranial electroencephalography. <i>Journal of Neural Engineering</i> , 2018, 15, 054002.	3.5	2
115	Single-Wall Carbon Nanotube-Coated Cotton Yarn for Electrocardiography Transmission. <i>Micromachines</i> , 2018, 9, 132.	2.9	23
116	Anti-fibrotic effects of bone morphogenetic protein-7-modified bone marrow mesenchymal stem cells on silica-induced pulmonary fibrosis. <i>Experimental and Molecular Pathology</i> , 2017, 102, 70-77.	2.1	25
117	Spinal cord stimulation modulates frontal delta and gamma in patients of minimally consciousness state. <i>Neuroscience</i> , 2017, 346, 247-254.	2.3	45
118	Bone marrow mesenchymal stem cells attenuate silica-induced pulmonary fibrosis via paracrine mechanisms. <i>Toxicology Letters</i> , 2017, 270, 96-107.	0.8	38
119	TDCS modulates cortical excitability in patients with disorders of consciousness. <i>NeuroImage: Clinical</i> , 2017, 15, 702-709.	2.7	72
120	Complexity analysis of fNIRS signals in ADHD children during working memory task. <i>Scientific Reports</i> , 2017, 7, 829.	3.3	43
121	Development of Brain Network in Children with Autism from Early Childhood to Late Childhood. <i>Neuroscience</i> , 2017, 367, 134-146.	2.3	18
122	Evaluating the roles of left middle frontal gyrus in word production using electrocorticography. <i>Neurocase</i> , 2017, 23, 263-269.	0.6	22
123	Long-lasting repetitive transcranial magnetic stimulation modulates electroencephalography oscillation in patients with disorders of consciousness. <i>NeuroReport</i> , 2017, 28, 1022-1029.	1.2	31
124	MicroRNA-29b inhibits supernatants from silica-treated macrophages from inducing extracellular matrix synthesis in lung fibroblasts. <i>Toxicology Research</i> , 2017, 6, 878-888.	2.1	17
125	Disrupted Brain Network in Children with Autism Spectrum Disorder. <i>Scientific Reports</i> , 2017, 7, 16253.	3.3	60
126	Temporal-spatial characteristics of phase-amplitude coupling in electrocorticogram for human temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2017, 128, 1707-1718.	1.5	44

#	ARTICLE	IF	CITATIONS
127	Using electrocorticography for presurgical language mapping in epilepsy patients. Journal of Clinical Neuroscience, 2017, 44, 320-322.	1.5	8
128	Modulations on cortical oscillations by subthalamic deep brain stimulation in patients with Parkinson disease: A MEG study. Neuroscience Letters, 2017, 636, 95-100.	2.1	36
129	Brain big data processing with massively parallel computing technology: challenges and opportunities. Software - Practice and Experience, 2017, 47, 405-420.	3.6	18
130	H-PARAFAC: Hierarchical Parallel Factor Analysis of Multidimensional Big Data. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1091-1104.	5.6	49
131	Real-time fNIRS signal acquisition system: Compatible with TMS. , 2017, , .		0
132	Synchrosqueezing algorithm application in TMS-EEG analysis. , 2017, , .		0
133	Design of driving circuit for ultrasonic brain stimulation based on FPGA. , 2017, , .		0
134	Mutual information analysis of EEG of children with attention-deficit/hyperactivity disorder. , 2017, , .		2
135	Pretreatment and Wavelength Selection Method for Near-Infrared Spectra Signal Based on Improved CEEMDAN Energy Entropy and Permutation Entropy. Entropy, 2017, 19, 380.	2.2	9
136	Frontal Connectivity in EEG Gamma (30-45 Hz) Respond to Spinal Cord Stimulation in Minimally Conscious State Patients. Frontiers in Cellular Neuroscience, 2017, 11, 177.	3.7	23
137	A Phase-Locking Analysis of Neuronal Firing Rhythms with Transcranial Magneto-Acoustical Stimulation Based on the Hodgkin-Huxley Neuron Model. Frontiers in Computational Neuroscience, 2017, 11, 1.	2.1	66
138	The Frontal Area with Higher Frequency Response Is the Principal Feature of Laser-Evoked Potentials in Rats with Chronic Inflammatory Pain: A Parallel Factor Analysis Study. Frontiers in Neurology, 2017, 8, 155.	2.4	3
139	Effects of 10 Hz Repetitive Transcranial Magnetic Stimulation of the Left Dorsolateral Prefrontal Cortex in Disorders of Consciousness. Frontiers in Neurology, 2017, 8, 182.	2.4	62
140	A Review of Resting-State Electroencephalography Analysis in Disorders of Consciousness. Frontiers in Neurology, 2017, 8, 471.	2.4	67
141	Paramatic design of transranial magnetic stimulation coil based on VB and Ansoft Maxwell. , 2017, , .		0
142	Numerical simulations of figure-8 coil during transcranial magnetic stimulation. , 2017, , .		0
143	Global Synchronization of Multichannel EEG Based on Rényi Entropy in Children with Autism Spectrum Disorder. Applied Sciences (Switzerland), 2017, 7, 257.	2.5	5
144	Application of Permutation Entropy in Feature Extraction for Near-Infrared Spectroscopy Noninvasive Blood Glucose Detection. Journal of Spectroscopy, 2017, 2017, 1-11.	1.3	49

#	ARTICLE	IF	CITATIONS
145	Improved CEEMDAN and PSO-SVR Modeling for Near-Infrared Noninvasive Glucose Detection. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-9.	1.3	22
146	Noninvasive transcranial focused ultrasonic-magnetic stimulation for modulating brain oscillatory activity. <i>EPJ Applied Physics</i> , 2016, 73, 21201.	0.7	3
147	Theoretical Analysis of Transcranial Magneto-Acoustical Stimulation with Hodgkin-Huxley Neuron Model. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 35.	2.1	22
148	Topography of Synchronization of Somatosensory Evoked Potentials Elicited by Stimulation of the Sciatic Nerve in Rat. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 43.	2.1	5
149	An Intracranial Electroencephalography (iEEG) Brain Function Mapping Tool with an Application to Epilepsy Surgery Evaluation. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 15.	2.5	28
150	Noninvasive Focused Ultrasound Stimulation Can Modulate Phase-Amplitude Coupling between Neuronal Oscillations in the Rat Hippocampus. <i>Frontiers in Neuroscience</i> , 2016, 10, 348.	2.8	29
151	Evaluating the Effect of Repetitive Transcranial Magnetic Stimulation on Disorders of Consciousness by Using TMS-EEG. <i>Frontiers in Neuroscience</i> , 2016, 10, 473.	2.8	46
152	Enhanced Gamma Oscillatory Activity in Rats with Chronic Inflammatory Pain. <i>Frontiers in Neuroscience</i> , 2016, 10, 489.	2.8	24
153	Weighted-Permutation Entropy Analysis of Resting State EEG from Diabetics with Amnesic Mild Cognitive Impairment. <i>Entropy</i> , 2016, 18, 307.	2.2	10
154	Temporal Dynamics of the Interaction between Reward and Time Delay during Intertemporal Choice. <i>Frontiers in Psychology</i> , 2016, 7, 1526.	2.1	24
155	Effect of noninvasive focused ultrasound stimulation on gamma oscillations in rat hippocampus. <i>NeuroReport</i> , 2016, 27, 508-515.	1.2	13
156	Unbiased and robust quantification of synchronization between spikes and local field potential. <i>Journal of Neuroscience Methods</i> , 2016, 269, 33-38.	2.5	14
157	Bone morphogenetic protein-7 prevented epithelial-mesenchymal transition in RLE-6TN cells. <i>Toxicology Research</i> , 2016, 5, 931-937.	2.1	7
158	Artifact Removal in EEG Recordings. , 2016, , 77-98.		2
159	Entropy Measures in Neural Signals. , 2016, , 125-166.		3
160	Estimating Coupling Direction Between Neuronal Populations. , 2016, , 203-214.		0
161	Causality of Spike Trains Based on Entropy. , 2016, , 39-55.		1
162	Quantification of Spike-LFP Synchronization. , 2016, , 57-75.		0

#	ARTICLE	IF	CITATIONS
163	The Comodulation Measure of Neuronal Oscillations. , 2016, , 215-233.		2
164	Multivariate EEG Synchronization Strength Measures. , 2016, , 235-259.		1
165	Order Time Series Analysis of Neural Signals. , 2016, , 99-109.		0
166	Dynamical Similarity Analysis of EEG Recordings. , 2016, , 111-124.		0
167	Design of multichannel functional near-infrared spectroscopy system with application to propofol and sevoflurane anesthesia monitoring. Neurophotonics, 2016, 3, 045001.	3.3	12
168	Reduction hybrid artifacts of EMGÊEOG in electroencephalography evoked by prefrontal transcranial magnetic stimulation. Journal of Neural Engineering, 2016, 13, 066016.	3.5	20
169	Using max entropy ratio of recurrence plot to measure electrocorticogram changes in epilepsy patients. Physica A: Statistical Mechanics and Its Applications, 2016, 443, 109-116.	2.6	19
170	Analysis of electrocorticogram in epilepsy patients in terms of criticality. Nonlinear Dynamics, 2016, 83, 1909-1917.	5.2	13
171	An EEMD-ICA Approach to Enhancing Artifact Rejection for Noisy Multivariate Neural Data. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 630-638.	4.9	63
172	Empirical mode decomposition-based motion artifact correction method for functional near-infrared spectroscopy. Journal of Biomedical Optics, 2016, 21, 015002.	2.6	15
173	BMP-7 attenuated silica-induced pulmonary fibrosis through modulation of the balance between TGF- β 2/Smad and BMP-7/Smad signaling pathway. Chemico-Biological Interactions, 2016, 243, 72-81.	4.0	48
174	Resting-state EEG coupling analysis of amnesic mild cognitive impairment with type 2 diabetes mellitus by using permutation conditional mutual information. Clinical Neurophysiology, 2016, 127, 335-348.	1.5	23
175	A comparison of different synchronization measures in electroencephalogram during propofol anesthesia. Journal of Clinical Monitoring and Computing, 2016, 30, 451-466.	1.6	33
176	Automatic detection of absence seizures with compressive sensing EEG. Neurocomputing, 2016, 171, 497-502.	5.9	56
177	A Robust Coherence-Based Brain Connectivity Method with an Application to EEG Recordings. Advances in Cognitive Neurodynamics, 2016, , 339-344.	0.1	1
178	Synchronization Measures in EEG Signals. , 2016, , 167-202.		5
179	Suppressing epileptic activity in a neural mass model using a closed-loop proportional-integral controller. Scientific Reports, 2016, 6, 27344.	3.3	25
180	A Comparison of Multiscale Permutation Entropy Measures in On-Line Depth of Anesthesia Monitoring. PLoS ONE, 2016, 11, e0164104.	2.5	14

#	ARTICLE	IF	CITATIONS
181	TMS-based neuromodulation of evoked and induced gamma oscillations and event-related potentials in children with autism. <i>NeuroRegulation</i> , 2016, 3, 101-126.	1.2	11
182	A scoring system for assessing the severity of acute diarrhea of adult patients. <i>World Journal of Emergency Medicine</i> , 2016, 7, 130.	1.0	7
183	Study on the Application of Wavelet Transform to Non-invasive Glucose Concentration Measurement by NIRS. , 2015, , .		1
184	Effect of focused ultrasound stimulation at different ultrasonic power levels on the local field potential power spectrum. <i>Chinese Physics B</i> , 2015, 24, 088704.	1.4	12
185	Permutation Lempel-Ziv complexity measure of electroencephalogram in GABAergic anaesthetics. <i>Physiological Measurement</i> , 2015, 36, 2483-2501.	2.1	29
186	A Critical Review: Coupling and Synchronization Analysis Methods of EEG Signal with Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 54.	3.4	33
187	EEG entropy measures in anesthesia. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 16.	2.1	212
188	Complex network analysis of resting state EEG in amnesic mild cognitive impairment patients with type 2 diabetes. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 133.	2.1	41
189	Rolling Bearing Fault Diagnosis Method Based on EEMD Permutation Entropy and Fuzzy Clustering. , 2015, , .		4
190	Towards an Efficient Multi-way Factorization of Multi-dimensional Big Data across a GPU Cluster. , 2015, , .		1
191	Research on non-invasive glucose concentration measurement by NIR transmission. , 2015, , .		12
192	Skin Burn After Single Session of Transcranial Direct Current Stimulation (tDCS). <i>Brain Stimulation</i> , 2015, 8, 165-166.	1.6	25
193	Autism spectrum disorders: linking neuropathological findings to treatment with transcranial magnetic stimulation. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015, 104, 346-355.	1.5	34
194	Cortical activities of heat-sensitization responses in suspended moxibustion: an EEG source analysis with sLORETA. <i>Cognitive Neurodynamics</i> , 2015, 9, 581-588.	4.0	4
195	Global Synchronization of Multichannel EEG in Patients With Electrical Status Epilepticus in Sleep. <i>Clinical EEG and Neuroscience</i> , 2015, 46, 357-363.	1.7	7
196	A permutation Lempel-Ziv complexity measure for EEG analysis. <i>Biomedical Signal Processing and Control</i> , 2015, 19, 102-114.	5.7	72
197	Use of functional near-infrared spectroscopy to evaluate the effects of anodal transcranial direct current stimulation on brain connectivity in motor-related cortex. <i>Journal of Biomedical Optics</i> , 2015, 20, 046007.	2.6	19
198	Increased expression of bone morphogenetic protein-7 and its related pathway provides an anti-fibrotic effect on silica induced fibrosis in vitro. <i>Toxicology Research</i> , 2015, 4, 1511-1522.	2.1	3

#	ARTICLE	IF	CITATIONS
199	Transcranial Direct Current Stimulation Ameliorates Behavioral Deficits and Reduces Oxidative Stress in 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine-Induced Mouse Model of Parkinson's Disease. <i>Neuromodulation</i> , 2015, 18, 442-447.	0.8	45
200	Analysis of entropies based on empirical mode decomposition in amnesic mild cognitive impairment of diabetes mellitus. <i>Journal of Innovative Optical Health Sciences</i> , 2015, 08, 1550010.	1.0	10
201	Tracking the coupling of two electroencephalogram series in the isoflurane and remifentanyl anesthesia. <i>Clinical Neurophysiology</i> , 2015, 126, 412-422.	1.5	12
202	Towards adaptive synchronization measurement of large-scale non-stationary non-linear data. <i>Future Generation Computer Systems</i> , 2015, 43-44, 110-119.	7.5	5
203	Fast and Scalable Multi-Way Analysis of Massive Neural Data. <i>IEEE Transactions on Computers</i> , 2015, 64, 707-719.	3.4	74
204	Relative Power of Specific EEG Bands and Their Ratios during Neurofeedback Training in Children with Autism Spectrum Disorder. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 723.	2.0	52
205	A Pharmacokinetics-Neural Mass Model (PK-NMM) for the Simulation of EEG Activity during Propofol Anesthesia. <i>PLoS ONE</i> , 2015, 10, e0145959.	2.5	4
206	Cortical Source Multivariate EEG Synchronization Analysis on Amnesic Mild Cognitive Impairment in Type 2 Diabetes. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	2.1	11
207	Detection of Burst Suppression Patterns in EEG Using Recurrence Rate. <i>Scientific World Journal</i> , The, 2014, 2014, 1-11.	2.1	13
208	Relative power and coherence of EEG series are related to amnesic mild cognitive impairment in diabetes. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 11.	3.4	86
209	Effects of weekly low-frequency rTMS on autonomic measures in children with autism spectrum disorder. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 851.	2.0	62
210	Co-activation of nAChR and mGluR induces $\hat{\beta}^3$ oscillation in rat medial septum diagonal band of Broca slices. <i>Acta Pharmacologica Sinica</i> , 2014, 35, 175-184.	6.1	1
211	A DAQ-Device-Based Continuous Wave Near-Infrared Spectroscopy System for Measuring Human Functional Brain Activity. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-9.	1.3	7
212	Analysis of Epileptic Seizures with Complex Network. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-6.	1.3	5
213	Multimodal Spatial Calibration for Accurately Registering EEG Sensor Positions. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-7.	1.3	6
214	A global coupling index of multivariate neural series with application to the evaluation of mild cognitive impairment. <i>Neural Networks</i> , 2014, 56, 1-9.	5.9	14
215	Multi-scale sample entropy of electroencephalography during sevoflurane anesthesia. <i>Journal of Clinical Monitoring and Computing</i> , 2014, 28, 409-417.	1.6	16
216	Towards Improving Social Communication Skills With Multimodal Sensory Information. <i>IEEE Transactions on Industrial Informatics</i> , 2014, 10, 323-330.	11.3	31

#	ARTICLE	IF	CITATIONS
217	Global Synchronization Measurement of Multivariate Neural Signals with Massively Parallel Nonlinear Interdependence Analysis. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2014, 22, 33-43.	4.9	32
218	Characterizing Heat-Sensitization Responses in Suspended Moxibustion with High-Density EEG. <i>Pain Medicine</i> , 2014, 15, 1272-1281.	1.9	11
219	A double-loop structure in the adaptive generalized predictive control algorithm for control of robot end-point contact force. <i>ISA Transactions</i> , 2014, 53, 1603-1608.	5.7	10
220	Theta- γ coupling reflects the interaction of bottom-up and top-down processes in speech perception in children. <i>NeuroImage</i> , 2014, 102, 637-645.	4.2	14
221	Estimating the correlation between bursty spike trains and local field potentials. <i>Neural Networks</i> , 2014, 57, 63-72.	5.9	4
222	High throughput wavelet coherence analysis of neural series. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2014, 17, 134.	0.5	2
223	Parameter selection in permutation entropy for an electroencephalographic measure of isoflurane anesthetic drug effect. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 113-123.	1.6	28
224	Dynamic characteristics of absence EEG recordings with multiscale permutation entropy analysis. <i>Epilepsy Research</i> , 2013, 104, 246-252.	1.6	95
225	A novel method of non-stationary sEMG signal analysis and decomposition using a latent process model. , 2013, , .		2
226	Correlation Analysis of Multivariate Neural Signals with Massively Parallel Wavelet Coherence. , 2013, , .		0
227	Massively parallel Modelling & Simulation of large crowd with GPGPU. <i>Journal of Supercomputing</i> , 2013, 63, 675-690.	3.6	16
228	Permutation auto-mutual information of electroencephalogram in anesthesia. <i>Journal of Neural Engineering</i> , 2013, 10, 026004.	3.5	15
229	Towards energy-efficient parallel analysis of neural signals. <i>Cluster Computing</i> , 2013, 16, 39-53.	5.0	9
230	Modulation of Brain Electroencephalography Oscillations by Electroacupuncture in a Rat Model of Postincisional Pain. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-11.	1.2	8
231	Effects of Volatile Anesthetic Agents on Cerebral Cortical Synchronization in Sheep. <i>Anesthesiology</i> , 2013, 119, 81-88.	2.5	28
232	Effect of Pilates Training on Alpha Rhythm. <i>Computational and Mathematical Methods in Medicine</i> , 2013, 2013, 1-7.	1.3	8
233	Estimating Temporal Causal Interaction between Spike Trains with Permutation and Transfer Entropy. <i>PLoS ONE</i> , 2013, 8, e70894.	2.5	16
234	A Massively Parallel Approach for Nonlinear Interdependency Analysis of Multivariate Signals with GPGPU. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
235	An Efficient Evolutionary Approach to Parameter Identification in a Building Thermal Model. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 957-969.	2.9	22
236	Characteristics of Evoked Potential Multiple EEG Recordings in Patients with Chronic Pain by Means of Parallel Factor Analysis. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-10.	1.3	8
237	Functional Magnetic Resonance Imaging for Imaging Neural Activity in the Human Brain: The Annual Progress. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-9.	1.3	18
238	End-Point Contact Force Control with Quantitative Feedback Theory for Mobile Robots. International Journal of Advanced Robotic Systems, 2012, 9, 236.	2.1	7
239	Fast Covariance Matching With Fuzzy Genetic Algorithm. IEEE Transactions on Industrial Informatics, 2012, 8, 148-157.	11.3	28
240	Elman Fuzzy Adaptive Control for Obstacle Avoidance of Mobile Robots Using Hybrid Force/Position Incorporation. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 603-608.	2.9	58
241	Massively parallel non-stationary EEG data processing on GPGPU platforms with Morlet continuous wavelet transform. Journal of Internet Services and Applications, 2012, 3, 347-357.	2.1	10
242	Multiscale rescaled range analysis of EEG recordings in sevoflurane anesthesia. Clinical Neurophysiology, 2012, 123, 681-688.	1.5	20
243	The Specular Exponent as a Criterion for Appearance Quality Assessment of Pearllike Objects by Artificial Vision. IEEE Transactions on Industrial Electronics, 2012, 59, 3264-3272.	7.9	9
244	Phase amplitude coupling between theta and gamma oscillations during nociception in rat electroencephalography. Neuroscience Letters, 2011, 499, 84-87.	2.1	37
245	Phase synchronization with harmonic wavelet transform with application to neuronal populations. Neurocomputing, 2011, 74, 3389-3403.	5.9	21
246	Massively Parallel Neural Signal Processing on a Many-Core Platform. Computing in Science and Engineering, 2011, 13, 42-51.	1.2	42
247	Multi-channel neural mass modelling and analyzing. Science China Information Sciences, 2011, 54, 1283-1292.	4.3	8
248	Characterization of the causality between spike trains with permutation conditional mutual information. Physical Review E, 2011, 84, 021929.	2.1	36
249	The effect of isoflurane anesthesia on the electroencephalogram assessed by harmonic wavelet bicoherence-based indices. Journal of Neural Engineering, 2011, 8, 056011.	3.5	12
250	Bearing fault diagnosis of a wind turbine using maximum likelihood detection. , 2011, , .		0
251	COVARIANCE TRACKING WITH FORGETTING FACTOR AND RANDOM SAMPLING. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2011, 19, 547-558.	1.9	4
252	GPGPU-Aided Ensemble Empirical-Mode Decomposition for EEG Analysis During Anesthesia. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 1417-1427.	3.2	103

#	ARTICLE	IF	CITATIONS
253	Target tracking for mobile robot platforms via object matching and background anti-matching. Robotics and Autonomous Systems, 2010, 58, 1197-1206.	5.1	14
254	Estimation of genuine and random synchronization in multivariate neural series. Neural Networks, 2010, 23, 698-704.	5.9	39
255	High-Frequency Network Activity, Global Increase in Neuronal Activity, and Synchrony Expansion Precede Epileptic Seizures<i>In Vitro</i>. Journal of Neuroscience, 2010, 30, 5690-5701.	3.6	131
256	Scale-Free Topology of the CA3 Hippocampal Network: A Novel Method to Analyze Functional Neuronal Assemblies. Biophysical Journal, 2010, 98, 1733-1741.	0.5	46
257	Estimating coupling direction between neuronal populations with permutation conditional mutual information. NeuroImage, 2010, 52, 497-507.	4.2	92
258	Multiscale permutation entropy analysis of EEG recordings during sevoflurane anesthesia. Journal of Neural Engineering, 2010, 7, 046010.	3.5	133
259	Ordinal pattern based similarity analysis for EEG recordings. Clinical Neurophysiology, 2010, 121, 694-703.	1.5	90
260	Classification of Energy Consumption in Buildings With Outlier Detection. IEEE Transactions on Industrial Electronics, 2010, 57, 3639-3644.	7.9	160
261	Enabling Energy-Efficient Analysis of Massive Neural Signals Using GPGPU. , 2010, , .		2
262	Deterministic dynamics of neural activity during absence seizures in rats. Physical Review E, 2009, 79, 041146.	2.1	35
263	Comparison of Permutation Entropy Index and Bispectral Index for Monitoring Effects of Anesthetic Drugs to Brain Activity. , 2009, , .		4
264	Neural Mass Modeling for Multi-Channel EEG Synchronization Analyzing. , 2009, , .		2
265	MULTISCALE ENTROPY ANALYSIS OF EEG RECORDINGS IN EPILEPTIC RATS. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 169-176.	0.6	13
266	Application of a new image segmentation method to detection of defects in castings. International Journal of Advanced Manufacturing Technology, 2009, 43, 431-439.	3.0	39
267	Profiling MS proteomics data using smoothed non-linear energy operator and Bayesian additive regression trees. Proteomics, 2009, 9, 4176-4191.	2.2	7
268	Effects of bias combustion on volatile nitrogen transformation. Asia-Pacific Journal of Chemical Engineering, 2009, 5, 473-478.	1.5	5
269	Auto Mutual Information Analysis with Order Patterns for Epileptic EEG. , 2009, , .		2
270	Estimating Depth of Anesthesia with Sparsity Measure of EEG Data in Wavelet Domain. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
271	The comodulation measure of neuronal oscillations with general harmonic wavelet bicoherence and application to sleep analysis. <i>NeuroImage</i> , 2009, 48, 501-514.	4.2	36
272	Complexity measure of motor current signals for tool flute breakage detection in end milling. <i>International Journal of Machine Tools and Manufacture</i> , 2008, 48, 371-379.	13.4	70
273	Solution to reinforcement learning problems with artificial potential field. <i>Central South University</i> , 2008, 15, 552-557.	0.5	16
274	Neuronal population oscillations of rat hippocampus during epileptic seizures. <i>Neural Networks</i> , 2008, 21, 1105-1111.	5.9	17
275	Transient dynamical analysis of strain signals in sheet metal stamping processes. <i>International Journal of Machine Tools and Manufacture</i> , 2008, 48, 576-588.	13.4	21
276	Predicting the Parts Weight in Plastic Injection Molding Using Least Squares Support Vector Regression. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008, 38, 827-833.	2.9	33
277	Using recurrence plot for determinism analysis of EEG recordings in genetic absence epilepsy rats. <i>Clinical Neurophysiology</i> , 2008, 119, 1747-1755.	1.5	103
278	Analysis of depth of anesthesia with Hilbert-Huang spectral entropy. <i>Clinical Neurophysiology</i> , 2008, 119, 2465-2475.	1.5	102
279	A NEW DISCRETE WAVELET TRANSFORM FAST ALGORITHM WITH RATIONAL DILATION FACTOR. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2008, 06, 609-616.	1.3	5
280	Application of a group search optimization based Artificial Neural Network to machine condition monitoring. , 2008, , .		8
281	Segmentation of Microscopic Images for Counting Leukocytes. , 2008, , .		13
282	Using Permutation Entropy to Measure the Electroencephalographic Effects of Sevoflurane. <i>Anesthesiology</i> , 2008, 109, 448-456.	2.5	180
283	An introduction to computational intelligence techniques for robot control. <i>Industrial Robot</i> , 2007, 34, 295-302.	2.1	10
284	Synchronization Measurement of Multiple Neuronal Populations. <i>Journal of Neurophysiology</i> , 2007, 98, 3341-3348.	1.8	67
285	Measure of the electroencephalographic effects of sevoflurane using recurrence dynamics. <i>Neuroscience Letters</i> , 2007, 424, 47-50.	2.1	29
286	A wavelet-based data pre-processing analysis approach in mass spectrometry. <i>Computers in Biology and Medicine</i> , 2007, 37, 509-516.	7.0	35
287	Application of wavelet-based similarity analysis to epileptic seizures prediction. <i>Computers in Biology and Medicine</i> , 2007, 37, 430-437.	7.0	36
288	Predictability analysis of absence seizures with permutation entropy. <i>Epilepsy Research</i> , 2007, 77, 70-74.	1.6	254

#	ARTICLE	IF	CITATIONS
289	Flute breakage detection during end milling using Hilbert-Huang transform and smoothed nonlinear energy operator. International Journal of Machine Tools and Manufacture, 2007, 47, 1011-1020.	13.4	60
290	Interaction dynamics of neuronal oscillations analysed using wavelet transforms. Journal of Neuroscience Methods, 2007, 160, 178-185.	2.5	102
291	Simultaneous determination of danshensu, ferulic acid, cryptotanshinone and tanshinone IIA in rabbit plasma by HPLC and their pharmacokinetic application in danxiangfang. Journal of Pharmaceutical and Biomedical Analysis, 2007, 44, 1106-1112.	2.8	44
292	Information flow among neural networks with Bayesian estimation. Science Bulletin, 2007, 52, 2006-2011.	1.7	5
293	Fault diagnosis of stamping process based on empirical mode decomposition and learning vector quantization. International Journal of Machine Tools and Manufacture, 2007, 47, 2298-2306.	13.4	48
294	Profiling of High-Throughput Mass Spectrometry Data for Ovarian Cancer Detection. , 2007, , 860-869.		1
295	Improving Automatic Detection of Defects in Castings by Applying Wavelet Technique. IEEE Transactions on Industrial Electronics, 2006, 53, 1927-1934.	7.9	127
296	Nonlinear similarity analysis for epileptic seizures prediction. Nonlinear Analysis: Theory, Methods & Applications, 2006, 64, 1666-1678.	1.1	30
297	Temporal structure of neuronal population oscillations with empirical model decomposition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 356, 237-241.	2.1	46
298	Wavelet Spectral Entropy for Indication of Epileptic Seizure in Extracranial EEG. Lecture Notes in Computer Science, 2006, , 66-73.	1.3	7
299	COMPLEXITY AND SYNCHRONIZATION OF EEG WITH PARAMETRIC MODELING. Science, Engineering, and Biology Informatics, 2006, , 99-117.	0.1	0
300	Strength and Direction of Phase Synchronization of Neural Networks. Lecture Notes in Computer Science, 2005, , 314-319.	1.3	2
301	Fractal spectral analysis of pre-epileptic seizures in terms of criticality. Journal of Neural Engineering, 2005, 2, 11-16.	3.5	71
302	Condition Monitoring Using a Latent Process Model with an Application to Sheet Metal Stamping Processes. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2005, 127, 376-385.	2.2	12
303	Automated Prediction of Epileptic Seizures in Rats with Recurrence Quantification Analysis. , 2005, 2006, 153-6.		2
304	Computational Neuronal Oscillations using Morlet Wavelet Transform. , 2005, 2005, 2009-12.		1
305	Multi-Scale Statistical Process Monitoring in Machining. IEEE Transactions on Industrial Electronics, 2005, 52, 924-927.	7.9	42
306	Tool Breakage Monitoring Using Motor Current Signals for Machine Tools With Linear Motors. IEEE Transactions on Industrial Electronics, 2005, 52, 1403-1408.	7.9	33

#	ARTICLE	IF	CITATIONS
307	Application of Fuzzy Similarity to Prediction of Epileptic Seizures Using EEG Signals. Lecture Notes in Computer Science, 2005, , 645-652.	1.3	9
308	MONITORING MACHINING PROCESSES BASED ON DISCRETE WAVELET TRANSFORM AND STATISTICAL PROCESS CONTROL. International Journal of Wavelets, Multiresolution and Information Processing, 2004, 02, 299-311.	1.3	7
309	Time-frequency-analysis-based minor cutting edge fracture detection during end milling. Mechanical Systems and Signal Processing, 2004, 18, 1485-1496.	8.0	33
310	Dynamical characteristics of pre-epileptic seizures in rats with recurrence quantification analysis. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 333, 164-171.	2.1	71
311	Fuzzy Estimation of Feed-Cutting Force From Current Measurement—A Case Study on Intelligent Tool Wear Condition Monitoring. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2004, 34, 506-512.	2.9	53
312	Application of fast haar transform and concurrent learning to tool-breakage detection in milling. IEEE/ASME Transactions on Mechatronics, 2003, 8, 414-418.	5.8	28
313	Analysis and compensation of workpiece errors in turning. International Journal of Production Research, 2002, 40, 1647-1667.	7.5	13
314	A brief review: acoustic emission method for tool wear monitoring during turning. International Journal of Machine Tools and Manufacture, 2002, 42, 157-165.	13.4	403
315	Detection of tool flute breakage in end milling using feed-motor current signatures. IEEE/ASME Transactions on Mechatronics, 2001, 6, 491-498.	5.8	44
316	Fuzzy neural network-based real-time self-reaction of mobile robot in unknown environments. Mechatronics, 2001, 11, 1039-1052.	3.3	19
317	Real-time tool condition monitoring using wavelet transforms and fuzzy techniques. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2000, 30, 352-357.	2.9	91
318	Drill wear monitoring based on current signals. Wear, 1999, 231, 172-178.	3.1	65
319	Discrete wavelet transform for tool breakage monitoring. International Journal of Machine Tools and Manufacture, 1999, 39, 1935-1944.	13.4	94
320	Tool wear detection with fuzzy classification and wavelet fuzzy neural network. International Journal of Machine Tools and Manufacture, 1999, 39, 1525-1538.	13.4	76
321	Real-time detection of the breakage of small diameter drills with wavelet transform. International Journal of Advanced Manufacturing Technology, 1998, 14, 539-543.	3.0	17
322	Use of fuzzy similarity index for epileptic seizure prediction. , 0, , .		5
323	Cost-Sensitive Classification with Genetic Programming. , 0, , .		14
324	Comatose Patients After Cardiopulmonary Resuscitation: An Analysis Based on Quantitative Methods of EEG Reactivity. Frontiers in Neurology, 0, 13, .	2.4	0