

Xiao-Li Li

List of Publications by Year in descending order

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324
papers

8,691
citations

50276

46
h-index

79698

73
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333
all docs

333
docs citations

333
times ranked

8195
citing authors

#	ARTICLE	IF	CITATIONS
1	A brief review: acoustic emission method for tool wear monitoring during turning. <i>International Journal of Machine Tools and Manufacture</i> , 2002, 42, 157-165.	13.4	403
2	Predictability analysis of absence seizures with permutation entropy. <i>Epilepsy Research</i> , 2007, 77, 70-74.	1.6	254
3	EEG entropy measures in anesthesia. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 16.	2.1	212
4	Using Permutation Entropy to Measure the Electroencephalographic Effects of Sevoflurane. <i>Anesthesiology</i> , 2008, 109, 448-456.	2.5	180
5	Classification of Energy Consumption in Buildings With Outlier Detection. <i>IEEE Transactions on Industrial Electronics</i> , 2010, 57, 3639-3644.	7.9	160
6	Multiscale permutation entropy analysis of EEG recordings during sevoflurane anesthesia. <i>Journal of Neural Engineering</i> , 2010, 7, 046010.	3.5	133
7	High-Frequency Network Activity, Global Increase in Neuronal Activity, and Synchrony Expansion Precede Epileptic Seizures <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2010, 30, 5690-5701.	3.6	131
8	Improving Automatic Detection of Defects in Castings by Applying Wavelet Technique. <i>IEEE Transactions on Industrial Electronics</i> , 2006, 53, 1927-1934.	7.9	127
9	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
10	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
11	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
12	GPGPU-Aided Ensemble Empirical-Mode Decomposition for EEG Analysis During Anesthesia. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010, 14, 1417-1427.	3.2	103
13	Interaction dynamics of neuronal oscillations analysed using wavelet transforms. <i>Journal of Neuroscience Methods</i> , 2007, 160, 178-185.	2.5	102
14	Analysis of depth of anesthesia with Hilbert-Huang spectral entropy. <i>Clinical Neurophysiology</i> , 2008, 119, 2465-2475.	1.5	102
15	Dynamic characteristics of absence EEG recordings with multiscale permutation entropy analysis. <i>Epilepsy Research</i> , 2013, 104, 246-252.	1.6	95
16	Discrete wavelet transform for tool breakage monitoring. <i>International Journal of Machine Tools and Manufacture</i> , 1999, 39, 1935-1944.	13.4	94
17	Estimating coupling direction between neuronal populations with permutation conditional mutual information. <i>NeuroImage</i> , 2010, 52, 497-507.	4.2	92
18	Real-time tool condition monitoring using wavelet transforms and fuzzy techniques. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2000, 30, 352-357.	2.9	91

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19	Ordinal pattern based similarity analysis for EEG recordings. <i>Clinical Neurophysiology</i> , 2010, 121, 694-703.	1.5	90
20	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
21	Tool wear detection with fuzzy classification and wavelet fuzzy neural network. <i>International Journal of Machine Tools and Manufacture</i> , 1999, 39, 1525-1538.	13.4	76
22	Fast and Scalable Multi-Way Analysis of Massive Neural Data. <i>IEEE Transactions on Computers</i> , 2015, 64, 707-719.	3.4	74
23	The neural system of metacognition accompanying decision-making in the prefrontal cortex. <i>PLoS Biology</i> , 2018, 16, e2004037.	5.6	73
24	A permutation Lempel-Ziv complexity measure for EEG analysis. <i>Biomedical Signal Processing and Control</i> , 2015, 19, 102-114.	5.7	72
25	TDCS modulates cortical excitability in patients with disorders of consciousness. <i>NeuroImage: Clinical</i> , 2017, 15, 702-709.	2.7	72
26	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
27	Dynamical characteristics of pre-epileptic seizures in rats with recurrence quantification analysis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 333, 164-171.	2.1	71
28	Fractal spectral analysis of pre-epileptic seizures in terms of criticality. <i>Journal of Neural Engineering</i> , 2005, 2, 11-16.	3.5	71
29	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
30	Synchronization Measurement of Multiple Neuronal Populations. <i>Journal of Neurophysiology</i> , 2007, 98, 3341-3348.	1.8	67
31	A Review of Resting-State Electroencephalography Analysis in Disorders of Consciousness. <i>Frontiers in Neurology</i> , 2017, 8, 471.	2.4	67
32	A Phase-Locking Analysis of Neuronal Firing Rhythms with Transcranial Magneto-Acoustical Stimulation Based on the Hodgkin-Huxley Neuron Model. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 1.	2.1	66
33	Drill wear monitoring based on current signals. <i>Wear</i> , 1999, 231, 172-178.	3.1	65
34	An EEMD-ICA Approach to Enhancing Artifact Rejection for Noisy Multivariate Neural Data. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2016, 24, 630-638.	4.9	63
35	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
36	Effects of 10 Hz Repetitive Transcranial Magnetic Stimulation of the Left Dorsolateral Prefrontal Cortex in Disorders of Consciousness. <i>Frontiers in Neurology</i> , 2017, 8, 182.	2.4	62

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37	Flute breakage detection during end milling using Hilbert-Huang transform and smoothed nonlinear energy operator. <i>International Journal of Machine Tools and Manufacture</i> , 2007, 47, 1011-1020.	13.4	60
38	Disrupted Brain Network in Children with Autism Spectrum Disorder. <i>Scientific Reports</i> , 2017, 7, 16253.	3.3	60
39	Elman Fuzzy Adaptive Control for Obstacle Avoidance of Mobile Robots Using Hybrid Force/Position Incorporation. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012, 42, 603-608.	2.9	58
40	Automatic detection of absence seizures with compressive sensing EEG. <i>Neurocomputing</i> , 2016, 171, 497-502.	5.9	56
41	EEG characteristics of children with attention-deficit/hyperactivity disorder. <i>Neuroscience</i> , 2019, 406, 444-456.	2.3	54
42	EEG entropy analysis in autistic children. <i>Journal of Clinical Neuroscience</i> , 2019, 62, 199-206.	1.5	54
43	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
44	Fuzzy Estimation of Feed-Cutting Force From Current Measurement-A Case Study on Intelligent Tool Wear Condition Monitoring. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2004, 34, 506-512.	2.9	53
45	Classifying ASD children with LSTM based on raw videos. <i>Neurocomputing</i> , 2020, 390, 226-238.	5.9	53
46	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
47	H-PARAFAC: Hierarchical Parallel Factor Analysis of Multidimensional Big Data. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2017, 28, 1091-1104.	5.6	49
48	Application of Permutation Entropy in Feature Extraction for Near-Infrared Spectroscopy Noninvasive Blood Glucose Detection. <i>Journal of Spectroscopy</i> , 2017, 2017, 1-11.	1.3	49
49	Fault diagnosis of stamping process based on empirical mode decomposition and learning vector quantization. <i>International Journal of Machine Tools and Manufacture</i> , 2007, 47, 2298-2306.	13.4	48
50	BMP-7 attenuated silica-induced pulmonary fibrosis through modulation of the balance between TGF- β 2/Smad and BMP-7/Smad signaling pathway. <i>Chemico-Biological Interactions</i> , 2016, 243, 72-81.	4.0	48
51	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
52	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
53	Temporal structure of neuronal population oscillations with empirical model decomposition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 356, 237-241.	2.1	46
54	Scale-Free Topology of the CA3 Hippocampal Network: A Novel Method to Analyze Functional Neuronal Assemblies. <i>Biophysical Journal</i> , 2010, 98, 1733-1741.	0.5	46

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55	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
56	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
57	Spinal cord stimulation modulates frontal delta and gamma in patients of minimally consciousness state. <i>Neuroscience</i> , 2017, 346, 247-254.	2.3	45
58	Detection of tool flute breakage in end milling using feed-motor current signatures. <i>IEEE/ASME Transactions on Mechatronics</i> , 2001, 6, 491-498.	5.8	44
59	Simultaneous determination of danshensu, ferulic acid, cryptotanshinone and tanshinone IIA in rabbit plasma by HPLC and their pharmacokinetic application in danxiongfang. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 1106-1112.	2.8	44
60	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
61	Low-cost plastic optical fiber sensor embedded in mattress for sleep performance monitoring. <i>Optical Fiber Technology</i> , 2021, 64, 102541.	2.7	44
62	Complexity analysis of fNIRS signals in ADHD children during working memory task. <i>Scientific Reports</i> , 2017, 7, 829.	3.3	43
63	Multi-Scale Statistical Process Monitoring in Machining. <i>IEEE Transactions on Industrial Electronics</i> , 2005, 52, 924-927.	7.9	42
64	Massively Parallel Neural Signal Processing on a Many-Core Platform. <i>Computing in Science and Engineering</i> , 2011, 13, 42-51.	1.2	42
65	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
66	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
67	Embedded FBG-Based Sensor for Joint Movement Monitoring. <i>IEEE Sensors Journal</i> , 2021, 21, 26793-26798.	4.7	40
68	Application of a new image segmentation method to detection of defects in castings. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 43, 431-439.	3.0	39
69	Estimation of genuine and random synchronization in multivariate neural series. <i>Neural Networks</i> , 2010, 23, 698-704.	5.9	39
70	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
71	Bone marrow mesenchymal stem cells attenuate silica-induced pulmonary fibrosis via paracrine mechanisms. <i>Toxicology Letters</i> , 2017, 270, 96-107.	0.8	38
72	Seizure control by low-intensity ultrasound in mice with temporal lobe epilepsy. <i>Epilepsy Research</i> , 2019, 154, 1-7.	1.6	38

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73	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
74	Phase-amplitude coupling between theta and gamma oscillations during nociception in rat electroencephalography. <i>Neuroscience Letters</i> , 2011, 499, 84-87.	2.1	37
75	Application of wavelet-based similarity analysis to epileptic seizures prediction. <i>Computers in Biology and Medicine</i> , 2007, 37, 430-437.	7.0	36
76	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
77	Characterization of the causality between spike trains with permutation conditional mutual information. <i>Physical Review E</i> , 2011, 84, 021929.	2.1	36
78	Modulations on cortical oscillations by subthalamic deep brain stimulation in patients with Parkinson disease: A MEG study. <i>Neuroscience Letters</i> , 2017, 636, 95-100.	2.1	36
79	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
80	Deterministic dynamics of neural activity during absence seizures in rats. <i>Physical Review E</i> , 2009, 79, 041146.	2.1	35
81	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
82	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
83	Time-frequency-analysis-based minor cutting edge fracture detection during end milling. <i>Mechanical Systems and Signal Processing</i> , 2004, 18, 1485-1496.	8.0	33
84	Tool Breakage Monitoring Using Motor Current Signals for Machine Tools With Linear Motors. <i>IEEE Transactions on Industrial Electronics</i> , 2005, 52, 1403-1408.	7.9	33
85	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
86	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
87	A comparison of different synchronization measures in electroencephalogram during propofol anesthesia. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 451-466.	1.6	33
88	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
89	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
90	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

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91	Towards Improving Social Communication Skills With Multimodal Sensory Information. IEEE Transactions on Industrial Informatics, 2014, 10, 323-330.	11.3	31
92	Long-lasting repetitive transcranial magnetic stimulation modulates electroencephalography oscillation in patients with disorders of consciousness. NeuroReport, 2017, 28, 1022-1029.	1.2	31
93	Nonlinear similarity analysis for epileptic seizures prediction. Nonlinear Analysis: Theory, Methods & Applications, 2006, 64, 1666-1678.	1.1	30
94	Measure of the electroencephalographic effects of sevoflurane using recurrence dynamics. Neuroscience Letters, 2007, 424, 47-50.	2.1	29
95	Permutation Lempel-Ziv complexity measure of electroencephalogram in GABAergic anaesthetics. Physiological Measurement, 2015, 36, 2483-2501.	2.1	29
96	Noninvasive Focused Ultrasound Stimulation Can Modulate Phase-Amplitude Coupling between Neuronal Oscillations in the Rat Hippocampus. Frontiers in Neuroscience, 2016, 10, 348.	2.8	29
97	Transcranial Direct Current Stimulation (tDCS) Can Modulate EEG Complexity of Children With Autism Spectrum Disorder. Frontiers in Neuroscience, 2018, 12, 201.	2.8	29
98	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
99	Fast Covariance Matching With Fuzzy Genetic Algorithm. IEEE Transactions on Industrial Informatics, 2012, 8, 148-157.	11.3	28
100	Parameter selection in permutation entropy for an electroencephalographic measure of isoflurane anesthetic drug effect. Journal of Clinical Monitoring and Computing, 2013, 27, 113-123.	1.6	28
101	Effects of Volatile Anesthetic Agents on Cerebral Cortical Synchronization in Sheep. Anesthesiology, 2013, 119, 81-88.	2.5	28
102	An Intracranial Electroencephalography (iEEG) Brain Function Mapping Tool with an Application to Epilepsy Surgery Evaluation. Frontiers in Neuroinformatics, 2016, 10, 15.	2.5	28
103	Characterizing dynamics of absence seizure EEG with spatial-temporal permutation entropy. Neurocomputing, 2018, 275, 577-585.	5.9	28
104	EEG-based multi-feature fusion assessment for autism. Journal of Clinical Neuroscience, 2018, 56, 101-107.	1.5	27
105	Skin Burn After Single Session of Transcranial Direct Current Stimulation (tDCS). Brain Stimulation, 2015, 8, 165-166.	1.6	25
106	Anti-fibrotic effects of bone morphogenetic protein-7-modified bone marrow mesenchymal stem cells on silica-induced pulmonary fibrosis. Experimental and Molecular Pathology, 2017, 102, 70-77.	2.1	25
107	Emergence EEG pattern classification in sevoflurane anesthesia. Physiological Measurement, 2018, 39, 045006.	2.1	25
108	Information Integration and Mesoscopic Cortical Connectivity during Propofol Anesthesia. Anesthesiology, 2020, 132, 504-524.	2.5	25

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109	Suppressing epileptic activity in a neural mass model using a closed-loop proportional-integral controller. <i>Scientific Reports</i> , 2016, 6, 27344.	3.3	25
110	Enhanced Gamma Oscillatory Activity in Rats with Chronic Inflammatory Pain. <i>Frontiers in Neuroscience</i> , 2016, 10, 489.	2.8	24
111	Temporal Dynamics of the Interaction between Reward and Time Delay during Intertemporal Choice. <i>Frontiers in Psychology</i> , 2016, 7, 1526.	2.1	24
112	Multiscale Information Transfer in Functional Corticomuscular Coupling Estimation Following Stroke: A Pilot Study. <i>Frontiers in Neurology</i> , 2018, 9, 287.	2.4	24
113	Resting-state EEG coupling analysis of amnesic mild cognitive impairment with type 2 diabetes mellitus by using permutation conditional mutual information. <i>Clinical Neurophysiology</i> , 2016, 127, 335-348.	1.5	23
114	Frontal Connectivity in EEG Gamma (30–45 Hz) Respond to Spinal Cord Stimulation in Minimally Conscious State Patients. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 177.	3.7	23
115	Single-Wall Carbon Nanotube-Coated Cotton Yarn for Electrocardiography Transmission. <i>Micromachines</i> , 2018, 9, 132.	2.9	23
116	Spontaneous transient brain states in EEG source space in disorders of consciousness. <i>NeuroImage</i> , 2021, 240, 118407.	4.2	23
117	An Efficient Evolutionary Approach to Parameter Identification in a Building Thermal Model. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012, 42, 957-969.	2.9	22
118	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
119	Theoretical Analysis of Transcranial Magneto-Acoustical Stimulation with Hodgkin-Huxley Neuron Model. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 35.	2.1	22
120	Evaluating the roles of left middle frontal gyrus in word production using electrocorticography. <i>Neurocase</i> , 2017, 23, 263-269.	0.6	22
121	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
122	Phase synchronization with harmonic wavelet transform with application to neuronal populations. <i>Neurocomputing</i> , 2011, 74, 3389-3403.	5.9	21
123	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
124	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
125	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
126	Multiscale rescaled range analysis of EEG recordings in sevoflurane anesthesia. <i>Clinical Neurophysiology</i> , 2012, 123, 681-688.	1.5	20

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127	Reduction hybrid artifacts of EMG&Eog in electroencephalography evoked by prefrontal transcranial magnetic stimulation. <i>Journal of Neural Engineering</i> , 2016, 13, 066016.	3.5	20
128	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
129	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
130	An Accurate and Robust Method for Spike Sorting Based on Convolutional Neural Networks. <i>Brain Sciences</i> , 2020, 10, 835.	2.3	20
131	Dual-CNN based multi-modal sleep scoring with temporal correlation driven fine-tuning. <i>Neurocomputing</i> , 2021, 420, 317-328.	5.9	20
132	Endothelium-specific endothelin-1 expression promotes pro-inflammatory macrophage activation by regulating miR-33/NR4A axis. <i>Experimental Cell Research</i> , 2021, 399, 112443.	2.6	20
133	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
134	Fuzzy neural network-based real-time self-reaction of mobile robot in unknown environments. <i>Mechatronics</i> , 2001, 11, 1039-1052.	3.3	19
135	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
136	Using max entropy ratio of recurrence plot to measure electrocorticogram changes in epilepsy patients. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 109-116.	2.6	19
137	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
138	Effects of repetitive transcranial magnetic stimulation on children with low&Eofunction autism. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 1254-1261.	3.9	19
139	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
140	Functional Magnetic Resonance Imaging for Imaging Neural Activity in the Human Brain: The Annual Progress. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-9.	1.3	18
141	Development of Brain Network in Children with Autism from Early Childhood to Late Childhood. <i>Neuroscience</i> , 2017, 367, 134-146.	2.3	18
142	Brain big data processing with massively parallel computing technology: challenges and opportunities. <i>Software - Practice and Experience</i> , 2017, 47, 405-420.	3.6	18
143	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
144	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

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145	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
146	Neuronal population oscillations of rat hippocampus during epileptic seizures. Neural Networks, 2008, 21, 1105-1111.	5.9	17
147	MicroRNA-29b inhibits supernatants from silica-treated macrophages from inducing extracellular matrix synthesis in lung fibroblasts. Toxicology Research, 2017, 6, 878-888.	2.1	17
148	Direct Interaction on Specific Frequency Bands in Functional Corticomuscular Coupling. IEEE Transactions on Biomedical Engineering, 2020, 67, 762-772.	4.2	17
149	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. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1702-1709.	4.9	17
150	Solution to reinforcement learning problems with artificial potential field. Central South University, 2008, 15, 552-557.	0.5	16
151	Massively parallel Modelling & Simulation of large crowd with GPGPU. Journal of Supercomputing, 2013, 63, 675-690.	3.6	16
152	Multi-scale sample entropy of electroencephalography during sevoflurane anesthesia. Journal of Clinical Monitoring and Computing, 2014, 28, 409-417.	1.6	16
153	Spinal cord stimulation modulates complexity of neural activities in patients with disorders of consciousness. International Journal of Neuroscience, 2020, 130, 662-670.	1.6	16
154	Estimating Temporal Causal Interaction between Spike Trains with Permutation and Transfer Entropy. PLoS ONE, 2013, 8, e70894.	2.5	16
155	Permutation auto-mutual information of electroencephalogram in anesthesia. Journal of Neural Engineering, 2013, 10, 026004.	3.5	15
156	Empirical mode decomposition-based motion artifact correction method for functional near-infrared spectroscopy. Journal of Biomedical Optics, 2016, 21, 015002.	2.6	15
157	Long-Range Temporal Correlations of Patients in Minimally Conscious State Modulated by Spinal Cord Stimulation. Frontiers in Physiology, 2018, 9, 1511.	2.8	15
158	Cost-Sensitive Classification with Genetic Programming. , 0, , .		14
159	Target tracking for mobile robot platforms via object matching and background anti-matching. Robotics and Autonomous Systems, 2010, 58, 1197-1206.	5.1	14
160	A global coupling index of multivariate neural series with application to the evaluation of mild cognitive impairment. Neural Networks, 2014, 56, 1-9.	5.9	14
161	Theta-γ coupling reflects the interaction of bottom-up and top-down processes in speech perception in children. NeuroImage, 2014, 102, 637-645.	4.2	14
162	Unbiased and robust quantification of synchronization between spikes and local field potential. Journal of Neuroscience Methods, 2016, 269, 33-38.	2.5	14

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163	Transcranial direct current stimulation modulates brain functional connectivity in autism. <i>NeuroImage: Clinical</i> , 2020, 28, 102500.	2.7	14
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