List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Stochastic stability properties of jump linear systems. IEEE Transactions on Automatic Control, 1992, 37, 38-53.	3.6	621
2	Bearing fault diagnosis based on wavelet transform and fuzzy inference. Mechanical Systems and Signal Processing, 2004, 18, 1077-1095.	4.4	554
3	Online tracking of bearing wear using wavelet packet decomposition and probabilistic modeling: A method for bearing prognostics. Journal of Sound and Vibration, 2007, 302, 951-961.	2.1	257
4	Scalable Digital Neuromorphic Architecture for Large-Scale Biophysically Meaningful Neural Network With Multi-Compartment Neurons. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 148-162.	7.2	229
5	Analysis of the value for unit commitment of improved load forecasts. IEEE Transactions on Power Systems, 1999, 14, 1342-1348.	4.6	165
6	Stabilization of continuous-time jump linear systems. IEEE Transactions on Automatic Control, 2002, 47, 1590-1603.	3.6	165
7	Tool wear condition monitoring in drilling operations using hidden Markov models (HMMs). International Journal of Machine Tools and Manufacture, 2001, 41, 1363-1384.	6.2	158
8	Stochastic stability of jump linear systems. IEEE Transactions on Automatic Control, 2002, 47, 1204-1208.	3.6	153
9	Neurophysiologic assessment of brain maturation after an 8-week trial of skin-to-skin contact on preterm infants. Clinical Neurophysiology, 2009, 120, 1812-1818.	0.7	135
10	Estimation of the running speed and bearing defect frequencies of an induction motor from vibration data. Mechanical Systems and Signal Processing, 2004, 18, 515-533.	4.4	116
11	A neural-network approach to fault detection and diagnosis in industrial processes. IEEE Transactions on Control Systems Technology, 1997, 5, 529-541.	3.2	110
12	Transient Stability and Voltage Regulation in Multimachine Power Systems Vis-Ã-Vis STATCOM and Battery Energy Storage. IEEE Transactions on Power Systems, 2015, 30, 2404-2416.	4.6	109
13	The effect of time delay on Approximate & Sample Entropy calculations. Physica D: Nonlinear Phenomena, 2008, 237, 3069-3074.	1.3	108
14	The relationship between patterns of intermittent hypoxia and retinopathy of prematurity in preterm infants. Pediatric Research, 2012, 72, 606-612.	1.1	108
15	HMM-Based Fault Detection and Diagnosis Scheme for Rolling Element Bearings. Journal of Vibration and Acoustics, Transactions of the ASME, 2005, 127, 299-306.	1.0	106
16	Voltage and Frequency Regulation of Microgrid With Battery Energy Storage Systems. IEEE Transactions on Smart Grid, 2019, 10, 414-424.	6.2	103
17	BiCoSS: Toward Large-Scale Cognition Brain With Multigranular Neuromorphic Architecture. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2801-2815.	7.2	96
18	Real-Time Neuromorphic System for Large-Scale Conductance-Based Spiking Neural Networks. IEEE Transactions on Cybernetics, 2019, 49, 2490-2503.	6.2	95

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19	Automated Removal of EKG Artifact From EEG Data Using Independent Component Analysis and Continuous Wavelet Transformation. IEEE Transactions on Biomedical Engineering, 2014, 61, 1634-1641.	2.5	87
20	Bearing condition diagnosis and prognosis using applied nonlinear dynamical analysis of machine vibration signal. Journal of Sound and Vibration, 2008, 317, 112-126.	2.1	83
21	Significant postictal hypotension: Expanding the spectrum of seizureâ€induced autonomic dysregulation. Epilepsia, 2013, 54, e127-30.	2.6	81
22	Inequalities for the trace of matrix product. IEEE Transactions on Automatic Control, 1994, 39, 2489-2490.	3.6	79
23	Optimal control of jump-linear gaussian systemsâ€. International Journal of Control, 1985, 42, 791-819.	1.2	77
24	Post-sigh breathing behavior and spontaneous pauses in the C57BL/6J (B6) mouse. Respiratory Physiology and Neurobiology, 2008, 162, 117-125.	0.7	75
25	Feeder Reconfiguration for Unbalanced Distribution Systems With Distributed Generation: A Hierarchical Decentralized Approach. IEEE Transactions on Power Systems, 2016, 31, 1633-1642.	4.6	75
26	Fault detection and diagnosis of rotating machinery. IEEE Transactions on Industrial Electronics, 2000, 47, 1005-1014.	5.2	74
27	Information Technology in Critical Care: Review of Monitoring and Data Acquisition Systems for Patient Care and Research. Scientific World Journal, The, 2015, 2015, 1-9.	0.8	73
28	Almost sure and δmoment stability of jump linear systems. International Journal of Control, 1994, 59, 1281-1307.	1.2	72
29	Evaluation of an automated single-channel sleep staging algorithm. Nature and Science of Sleep, 2015, 7, 101.	1.4	70
30	An analysis of the kangaroo care intervention using neonatal EEG complexity: A preliminary study. Clinical Neurophysiology, 2013, 124, 238-246.	0.7	69
31	<title>Physically based diagnosis and prognosis of cracked rotor shafts</title> ., 2002, 4733, 122.		68
32	Automated detection of neonate EEG sleep stages. Computer Methods and Programs in Biomedicine, 2009, 95, 31-46.	2.6	65
33	Age-specific periictal electroclinical features of generalized tonic–clonic seizures and potential risk of sudden unexpected death in epilepsy (SUDEP). Epilepsy and Behavior, 2013, 29, 289-294.	0.9	65
34	Big data analytics in power distribution systems. , 2015, , .		65
35	A probabilistic mechanism for small disturbance instabilities in electric power systems. IEEE Transactions on Circuits and Systems, 1985, 32, 177-184.	0.9	63
36	Incidence, Recurrence, and Risk Factors for Peri-ictal Central Apnea and Sudden Unexpected Death in Epilepsy. Frontiers in Neurology, 2019, 10, 166.	1.1	63

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37	Estimating the domain of attraction of nonlinear feedback systems. IEEE Transactions on Automatic Control, 1978, 23, 602-608.	3.6	60
38	Interpretable Convolutional Neural Network Through Layer-wise Relevance Propagation for Machine Fault Diagnosis. IEEE Sensors Journal, 2020, 20, 3172-3181.	2.4	60
39	Nonlinear dynamical analysis of the neonatal EEG time series: The relationship between sleep state and complexity. Clinical Neurophysiology, 2008, 119, 1812-1823.	0.7	59
40	Neonatal intermittent hypoxemia events are associated with diagnosis of bronchopulmonary dysplasia at 36 weeks postmenstrual age. Pediatric Research, 2019, 85, 318-323.	1.1	59
41	A method for analyzing temporal patterns of variability of a time series from Poincaré plots. Journal of Applied Physiology, 2012, 113, 297-306.	1.2	58
42	Heart beats in the cloud: distributed analysis of electrophysiological â€~ <i>Big Data</i> ' using cloud computing for epilepsy clinical research. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 263-271.	2.2	58
43	Leak detection in an experimental heat exchanger process: a multiple model approach. IEEE Transactions on Automatic Control, 1991, 36, 167-177.	3.6	57
44	Minimizing the cardinality of an events set for supervisors of discrete-event dynamical systems. IEEE Transactions on Automatic Control, 1996, 41, 1579-1593.	3.6	57
45	Active probing for information in control systems with quantized state measurements: a minimum entropy approach. IEEE Transactions on Automatic Control, 1997, 42, 216-238.	3.6	57
46	Left-insular damage, autonomic instability, and sudden unexpected death in epilepsy. Epilepsy and Behavior, 2016, 55, 170-173.	0.9	55
47	Performance evaluation of an automated single-channel sleep–wake detection algorithm. Nature and Science of Sleep, 2014, 6, 113.	1.4	53
48	Hierarchical Decentralized Network Reconfiguration for Smart Distribution Systems—Part I: Problem Formulation and Algorithm Development. IEEE Transactions on Power Systems, 2015, 30, 734-743.	4.6	53
49	Cascading Failure Attacks in the Power System: A Stochastic Game Perspective. IEEE Internet of Things Journal, 2017, 4, 2247-2259.	5.5	53
50	A decision fusion algorithm for tool wear condition monitoring in drilling. International Journal of Machine Tools and Manufacture, 2001, 41, 1347-1362.	6.2	52
51	Cortical Structures Associated With Human Blood Pressure Control. JAMA Neurology, 2018, 75, 194.	4.5	52
52	A probabilistic approach to dynamic power system security. IEEE Transactions on Circuits and Systems, 1990, 37, 787-798.	0.9	51
53	Optimal state estimation for stochastic systems: an information theoretic approach. IEEE Transactions on Automatic Control, 1997, 42, 771-785.	3.6	51
54	Bang-bang impact control using hybrid impedance/time-delay control. IEEE/ASME Transactions on Mechatronics, 2003, 8, 272-277.	3.7	51

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55	Generalized Δ-Circuit Concept for Integration of Distributed Generators in Online Short-Circuit Calculations. IEEE Transactions on Power Systems, 2017, 32, 3237-3245.	4.6	45
56	\$alpha\$-Satellite: An Al-Driven System and Benchmark Datasets for Dynamic COVID-19 Risk Assessment in the United States. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2755-2764.	3.9	45
57	Quadratic regulatory theory for analytic non-linear systems with additive controls. Automatica, 1989, 25, 531-544.	3.0	44
58	Neonatal EEG/Sleep State Analyses: A Complex Phenotype of Developmental Neural Plasticity. Developmental Neuroscience, 2009, 31, 259-275.	1.0	44
59	Dynamic High-Cadence Cycling Improves Motor Symptoms in Parkinson's Disease. Frontiers in Neurology, 2015, 6, 194.	1.1	44
60	Nonlinear dynamical analysis of the neonatal EEG time series: The relationship between neurodevelopment and complexity. Clinical Neurophysiology, 2008, 119, 822-836.	0.7	40
61	Reconstruction of three-dimensional surfaces from two-dimensional binary images. IEEE Transactions on Automation Science and Engineering, 1989, 5, 701-710.	2.4	38
62	Differences in Breathing Patterning During Wakefulness in Patients With Mixed Apnea-Dominant vs Obstructive-Dominant Sleep Apnea. Chest, 2011, 140, 54-61.	0.4	38
63	An Energy Scheduling Algorithm Supporting Power Quality Management in Commercial Building Microgrids. IEEE Transactions on Smart Grid, 2016, 7, 1044-1056.	6.2	37
64	Nonlinear filtering for systems with random structure. IEEE Transactions on Automatic Control, 1986, 31, 1064-1068.	3.6	35
65	A stability theory for constrained dynamic systems with applications to electric power systems. IEEE Transactions on Automatic Control, 1996, 41, 1605-1617.	3.6	35
66	An emulator for fixed pitch wind turbine studies. Renewable Energy, 2016, 87, 391-402.	4.3	35
67	Analysis of switched linear systems in the plane, part 2: Global behavior of trajectories, controllability and attainability. Journal of Optimization Theory and Applications, 1987, 52, 395-427.	0.8	34
68	Design of Hidden-Property-Based Variable Universe Fuzzy Control for Movement Disorders and Its Efficient Reconfigurable Implementation. IEEE Transactions on Fuzzy Systems, 2019, 27, 304-318.	6.5	34
69	Automated State Analyses: Proposed Applications to Neonatal Neurointensive Care. Journal of Clinical Neurophysiology, 2005, 22, 256-270.	0.9	33
70	Vagal-dependent nonlinear variability in the respiratory pattern of anesthetized, spontaneously breathing rats. Journal of Applied Physiology, 2011, 111, 272-284.	1.2	32
71	A Highly Digital Multiantenna Ground-Penetrating Radar (GPR) System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7422-7436.	2.4	32
72	Automated detection of tracé alternant during sleep in healthy full-term neonates using discrete wavelet transform. Clinical Neurophysiology, 2001, 112, 1893-1900.	0.7	31

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73	Physiologic Brain Dysmaturity in Late Preterm Infants. Pediatric Research, 2011, 70, 524-528.	1.1	31
74	Hierarchical Decentralized Network Reconfiguration for Smart Distribution Systems—Part II: Applications to Test Systems. IEEE Transactions on Power Systems, 2015, 30, 744-752.	4.6	31
75	Forward and Backward Extended Prony (FBEP) Method for Power System Small-Signal Stability Analysis. IEEE Transactions on Power Systems, 2017, 32, 3618-3626.	4.6	31
76	Automated Detection of Postictal Generalized EEG Suppression. IEEE Transactions on Biomedical Engineering, 2018, 65, 371-377.	2.5	31
77	New estimates for solutions of Lyapunov equations. IEEE Transactions on Automatic Control, 1997, 42, 408-411.	3.6	30
78	Integration of renewable energy systems and challenges for dynamics, control, and automation of electrical power systems. Wiley Interdisciplinary Reviews: Energy and Environment, 2019, 8, e321.	1.9	30
79	INSMA: An integrated system for multimodal data acquisition and analysis in the intensive care unit. Journal of Biomedical Informatics, 2020, 106, 103434.	2.5	29
80	Inverter statistics for online detection of stator asymmetries in inverter-fed induction motors. IEEE Transactions on Industry Applications, 2003, 39, 1102-1108.	3.3	28
81	Entropy-Based Measures for Quantifying Sleep-Stage Transition Dynamics: Relationship to Sleep Fragmentation and Daytime Sleepiness. IEEE Transactions on Biomedical Engineering, 2012, 59, 787-796.	2.5	28
82	Neural mass models describing possible origin of the excessive beta oscillations correlated with Parkinsonian state. Neural Networks, 2017, 88, 65-73.	3.3	28
83	A hierarchical interactive approach to electric power system restoration. IEEE Transactions on Power Systems, 1992, 7, 1123-1131.	4.6	27
84	Closed-Loop Modulation of the Pathological Disorders of the Basal Ganglia Network. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 371-382.	7.2	27
85	Closed-Loop Control of Tremor-Predominant Parkinsonian State Based on Parameter Estimation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1109-1121.	2.7	26
86	Non-linear adaptive sliding mode observer-controller scheme for induction motors. , 2000, 14, 245-273.		25
87	On the relationship between the sample path and moment lyapunov exponents for jump linear systems. IEEE Transactions on Automatic Control, 2002, 47, 1556-1560.	3.6	25
88	Voltage Regulation of DC-Microgrid With PV and Battery. IEEE Transactions on Smart Grid, 2020, 11, 4662-4675.	6.2	25
89	Prediction of neonatal state and maturational change using dimensional analysis. Journal of Clinical Neurophysiology, 2005, 22, 159-65.	0.9	25
90	Real-time personalized cardiac arrhythmia detection and diagnosis: A cloud computing architecture. , 2017, , .		24

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91	Efficient implementation of a real-time estimation system for thalamocortical hidden Parkinsonian properties. Scientific Reports, 2017, 7, 40152.	1.6	24
92	Data Acquisition and Complex Systems Analysis in Critical Care: Developing the Intensive Care Unit of the Future. Journal of Healthcare Engineering, 2010, 1, 337-355.	1.1	23
93	A neural mass model of basal ganglia nuclei simulates pathological beta rhythm in Parkinson's disease. Chaos, 2016, 26, 123113.	1.0	23
94	Sequence Domain Calculation of Active Unbalanced Distribution Systems Affected by Complex Short Circuits. IEEE Transactions on Power Systems, 2018, 33, 1891-1902.	4.6	23
95	Optimal channel selection for analysis of EEG-sleep patterns of neonates. Computer Methods and Programs in Biomedicine, 2012, 106, 14-26.	2.6	22
96	Polysomnographic Heart Rate Variability Indices and Atrial Ectopy Associated WithÂIncident Atrial Fibrillation Risk in Older Community-Dwelling Men. JACC: Clinical Electrophysiology, 2017, 3, 451-460.	1.3	22
97	Post-ictal Modulation of Baroreflex Sensitivity in Patients With Intractable Epilepsy. Frontiers in Neurology, 2018, 9, 793.	1.1	22
98	Novel Fault Models for Electronically Coupled Distributed Energy Resources and Their Laboratory Validation. IEEE Transactions on Power Systems, 2020, 35, 1209-1217.	4.6	22
99	Application of Reinforcement Learning to Deep Brain Stimulation in a Computational Model of Parkinson's Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 339-349.	2.7	22
100	Effects of environment light during sleep on autonomic functions of heart rate and breathing. Sleep and Breathing, 2014, 18, 829-835.	0.9	21
101	Complex systems biology approach to understanding coordination of JAK-STAT signaling. BioSystems, 2007, 90, 830-842.	0.9	20
102	The use of heart rate variability for the early detection of treatable complications after aneurysmal subarachnoid hemorrhage. Journal of Clinical Monitoring and Computing, 2013, 27, 385-393.	0.7	20
103	Design and Development of a Smart Exercise Bike for Motor Rehabilitation in Individuals With Parkinson's Disease. IEEE/ASME Transactions on Mechatronics, 2016, 21, 1650-1658.	3.7	20
104	Resting-State Quantitative Electroencephalography Demonstrates Differential Connectivity in Adolescents with Major Depressive Disorder. Journal of Child and Adolescent Psychopharmacology, 2019, 29, 370-377.	0.7	20
105	Multiobjective statistical method for interior drainage systems. Water Resources Research, 1980, 16, 465-475.	1.7	19
106	Analysis of switched linear systems in the plane, part 1: Local behavior of trajectories and local cycle geometry. Journal of Optimization Theory and Applications, 1987, 52, 365-394.	0.8	19
107	Bearingless Five-Axis Rotor Levitation with Two Pole Pair Separated Conical Motors. , 2009, , .		18
108	Variability in Cadence During Forced Cycling Predicts Motor Improvement in Individuals With Parkinson's Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 481-489.	2.7	18

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109	Dynamical analysis of Parkinsonian state emulated by hybrid Izhikevich neuron models. Communications in Nonlinear Science and Numerical Simulation, 2015, 28, 10-26.	1.7	18
110	Test and Validation of a Smart Exercise Bike for Motor Rehabilitation in Individuals With Parkinson's Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 1254-1264.	2.7	18
111	Mathematical transforms and correlation techniques for object recognition using tactile data. IEEE Transactions on Automation Science and Engineering, 1989, 5, 359-362.	2.4	17
112	Passivity-based torque and flux tracking for induction motors with magnetic saturation. Automatica, 2003, 39, 2123-2130.	3.0	17
113	Cardio-ventilatory coupling in young healthy resting subjects. Journal of Applied Physiology, 2012, 112, 1248-1257.	1.2	17
114	Agent-Based Privacy Preserving Transactive Control for Managing Peak Power Consumption. IEEE Transactions on Smart Grid, 2020, 11, 4883-4890.	6.2	17
115	Stochastic stability of coupled linear systems: a survey of methods and results. Stochastic Analysis and Applications, 1984, 2, 193-228.	0.9	16
116	Levitation performance of two opposed permanent magnet pole-pair separated conical bearingless motors. , 2011, , .		16
117	Opinion Spam Detection Based on Heterogeneous Information Network. , 2019, , .		16
118	The role of coupling connections in a model of the cortico-basal ganglia-thalamocortical neural loop for the generation of beta oscillations. Neural Networks, 2020, 123, 381-392.	3.3	16
119	Sufficient conditions for the stability of interval matrices. International Journal of Control, 1993, 58, 969-977.	1.2	15
120	An approach for characterizing coupling in dynamical systems. Physica D: Nonlinear Phenomena, 2008, 237, 2482-2486.	1.3	15
121	Cyclic versus Staircase Voltammetry in Electrocatalysis: Theoretical Aspects. Journal of the Electrochemical Society, 2011, 158, F15.	1.3	15
122	Neural Network-Based Closed-Loop Deep Brain Stimulation for Modulation of Pathological Oscillation in Parkinson's Disease. IEEE Access, 2020, 8, 161067-161079.	2.6	15
123	Almost Sure Instability of the Random Harmonic Oscillator. SIAM Journal on Applied Mathematics, 1990, 50, 744-759.	0.8	14
124	Controllability properties of constrained linear systems. Journal of Optimization Theory and Applications, 1992, 73, 329-346.	0.8	14
125	Speed control of electrical machines: unknown load torque case. IEEE Transactions on Automatic Control, 2001, 46, 1979-1983.	3.6	14
126	Motoring performance of a conical pole-pair separated bearingless electric machine. , 2011, , .		14

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127	Modeling and simulation of grid-connected hybrid AC/DC microgrid. , 2012, , .		14
128	A scalable neuroinformatics data flow for electrophysiological signals using MapReduce. Frontiers in Neuroinformatics, 2015, 9, 4.	1.3	14
129	Modeling and Analysis of Beta Oscillations in the Basal Ganglia. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1864-1875.	7.2	14
130	A Decentralized Three-Level Optimization Scheme for Optimal Planning of a Prosumer Nano-Grid. IEEE Transactions on Power Systems, 2020, 35, 3421-3432.	4.6	14
131	Optimal policies for passive learning controllers. Automatica, 1989, 25, 757-763.	3.0	13
132	Optimal control of unknown parameter systems. IEEE Transactions on Automatic Control, 1989, 34, 1092-1094.	3.6	13
133	Delayed Feedback-Based Suppression of Pathological Oscillations in a Neural Mass Model. IEEE Transactions on Cybernetics, 2021, 51, 5046-5056.	6.2	13
134	Transient Stability Analysis for Offshore Wind Power Plant Integration Planning Studies—Part I: Short-Term Faults. IEEE Transactions on Industry Applications, 2019, 55, 182-192.	3.3	13
135	Small-Signal Stability Analysis of Large-Scale Power Systems in Response to Variability of Offshore Wind Power Plants. IEEE Systems Journal, 2019, 13, 3070-3079.	2.9	13
136	Probabilistic Modeling of DNA Mismatch Repair Effects on Cell Cycle Dynamics and Iododeoxyuridine-DNA Incorporation. Cancer Research, 2007, 67, 10993-11000.	0.4	12
137	Breathing irregularity during wakefulness associates with CPAP acceptance in sleep apnea. Sleep and Breathing, 2013, 17, 845-852.	0.9	12
138	Investigating Synchronous Oscillation and Deep Brain Stimulation Treatment in A Model of Cortico-Basal Ganglia Network. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1950-1958.	2.7	12
139	Context Aware Image Annotation in Active Learning with Batch Mode. , 2019, , .		12
140	An Application of Nonlinear Filtering to Instrument Failure Detection in a Pressurized Water Reactor. Nuclear Technology, 1986, 74, 139-151.	0.7	11
141	Artificial Intelligence, Simulation, and Modeling. Interfaces, 1990, 20, 48-66.	1.6	11
142	Abrasion Modeling of Multiple-Point Defect Dynamics for Machine Condition Monitoring. IEEE Transactions on Reliability, 2013, 62, 171-182.	3.5	11
143	Discrete-time entropy formulation of optimal and adaptive control problems. IEEE Transactions on Automatic Control, 1992, 37, 1083-1088.	3.6	10
144	Transient stability and voltage regulation in power systems with renewable distributed energy resources. , 2011, , .		10

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145	A simple heuristic method for smart distribution system reconfiguration. , 2012, , .		10
146	Transmission system protection screening for integration of offshore wind power plants. Renewable Energy, 2018, 125, 225-233.	4.3	10
147	Noise-Induced Improvement of the Parkinsonian State: A Computational Study. IEEE Transactions on Cybernetics, 2019, 49, 3655-3664.	6.2	10
148	Information Extraction from Free Text in Clinical Trials with Knowledge-Based Distant Supervision. , 2019, , .		10
149	Modeling challenges and potential solutions for integration of emerging DERs in DMS applications: power flow and short-circuit analysis. Journal of Modern Power Systems and Clean Energy, 2019, 7, 1365-1384.	3.3	10
150	Reachability properties of constrained linear systems. Journal of Optimization Theory and Applications, 1992, 73, 169-195.	0.8	9
151	A sufficient condition for stability of a polytope of matrices. Systems and Control Letters, 1994, 23, 237-245.	1.3	9
152	Wavelet-based fractal analysis of the epileptic EEG signal. , 2009, , .		9
153	NeuroPigPen: A Scalable Toolkit for Processing Electrophysiological Signal Data in Neuroscience Applications Using Apache Pig. Frontiers in Neuroinformatics, 2016, 10, 18.	1.3	9
154	Ventilatory pattern variability as a biometric for severity of acute lung injury in rats. Respiratory Physiology and Neurobiology, 2019, 265, 161-171.	0.7	9
155	Isoflurane and ketamine anesthesia have different effects on ventilatory pattern variability in rats. Respiratory Physiology and Neurobiology, 2013, 185, 659-664.	0.7	8
156	Examination of scale-invariant characteristics of epileptic electroencephalograms using wavelet-based analysis. Computers and Electrical Engineering, 2014, 40, 1766-1773.	3.0	8
157	A Framework for Patient State Tracking by Classifying Multiscalar Physiologic Waveform Features. IEEE Transactions on Biomedical Engineering, 2017, 64, 2890-2900.	2.5	8
158	Mathematical Modeling for Description of Oscillation Suppression Induced by Deep Brain Stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1649-1658.	2.7	8
159	A new quantitative load profile measure for demand response performance evaluation. International Journal of Electrical Power and Energy Systems, 2020, 121, 106073.	3.3	8
160	Guest Editorial: Special Issue on recent advancements in electric power system planning with high-penetration of renewable energy resources and dynamic loads. International Journal of Electrical Power and Energy Systems, 2021, 129, 106597.	3.3	8
161	Identification of time delays in linear stochastic systems. International Journal of Control, 1993, 57, 1273-1291.	1.2	7
162	On systems and control approaches to therapeutic gain. BMC Cancer, 2006, 6, 104.	1.1	7

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163	Drive latencies in hypoglossal motoneurons indicate developmental change in the brainstem respiratory network. Journal of Neural Engineering, 2011, 8, 065011.	1.8	7
164	Comparison of complexity measures using two complex system analysis methods applied to the epileptic ECoG. Journal of the Korean Physical Society, 2013, 63, 1659-1665.	0.3	7
165	An automated approach for bearing damage detection. JVC/Journal of Vibration and Control, 2016, 22, 3253-3266.	1.5	7
166	Evaluation of an automated pipeline for large-scale EEG spectral analysis: the National Sleep Research Resource. Sleep Medicine, 2018, 47, 126-136.	0.8	7
167	Voltage Regulation of DC-Microgrid with PV and Battery: A Passivity Method. IFAC-PapersOnLine, 2019, 52, 753-758.	0.5	7
168	Transient Stability Analysis for Offshore Wind Power Plant Integration Planning Studies—Part II: Long-Term Faults. IEEE Transactions on Industry Applications, 2019, 55, 193-202.	3.3	7
169	Closing the loop of DBS using the beta oscillations in cortex. Cognitive Neurodynamics, 2021, 15, 1157-1167.	2.3	7
170	Nonlinear filtering for discrete-time linear systems with non-Gaussian initial data. IEEE Transactions on Automatic Control, 1989, 34, 781-783.	3.6	6
171	An improved bounding-based method for multiarea probabilistic production costing. IEEE Transactions on Power Systems, 1996, 11, 1024-1030.	4.6	6
172	Verification and Validation of Real-Time Adaptive Neural Networks Using ANCT Tools and Methodologies, an Application to Intelligent Flight Control Systems F-15 Project. , 2005, , .		6
173	Simulation-based environment for modeling distributed agents for smart grid energy management. , 2011, , .		6
174	Impact of wind turbine generator type in large-scale offshore wind farms on voltage regulation in distribution feeders. , 2015, , .		6
175	A swarm intelligence-based approach to anomaly detection of dynamic systems. Swarm and Evolutionary Computation, 2019, 44, 806-827.	4.5	6
176	Learning - based Adaptation Framework for Elastic Software Systems. , 2019, , .		6
177	Structural control of large scale systems. , 1980, , .		5
178	A dual controller for linear systems with random jump parameters. , 1985, , .		5
179	A conceptual modeling framework for the study of DNA mismatch repair pathway to improve therapeutic gain in cancer treatment. , 2007, , .		5
180	Entropy-based Measures of EEG Arousals as Biomarkers for Sleep Dynamics: Applications to Hypertension. Sleep, 2008, , .	0.6	5

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181	Investigation of temporal variability of epileptic EEG signals. , 2010, , .		5
182	Comparison of temporal variability of epileptic ECoG signals. , 2010, , .		5
183	The Use of Software Agents for Autonomous Control of a DC Space Power System. , 2014, , .		5
184	Finite-state channel models for signal transduction in neural systems. , 2016, , .		5
185	Transient voltage stability of offshore wind farms following faults on the collector system. , 2016, , .		5
186	Detecting destabilizing wheelchair conditions for maintaining seated posture. Disability and Rehabilitation: Assistive Technology, 2018, 13, 178-185.	1.3	5
187	A Clicked-URL Feature for Transactional Query Identification. , 2019, , .		5
188	Conversational Structure Aware and Context Sensitive Topic Model for Online Discussions. , 2020, , .		5
189	Design of Multi-Layer Neural Networks for Accurate Identification of Nonlinear Mappings. , 1991, , .		5
190	Entropy-based measures of EEG arousals as biomarkers for sleep dynamics: applications to hypertension. Sleep, 2008, 31, 935-43.	0.6	5
191	Chaotic motion and its probabilistic description in a family of two-dimensional nonlinear systems with hysteresis. Journal of Nonlinear Science, 1992, 2, 417-452.	1.0	4
192	Feature identification in circadian rhythms of mice strains using inÂvivo information. Mammalian Genome, 2008, 19, 366-377.	1.0	4
193	Small-Signal Stability Enhancement of Power Systems with Renewable Distributed Energy Resources. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 513-518.	0.4	4
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