Steven Su

List of Publications by Year
in descending order

230 papers	3,010 citations	270111 25 h-index	299063 42 g-index
230 all docs	230 docs citations	230 times ranked	3137 citing authors

#	Article	IF	Citations
1	Stability and controller design of switched systems with sequence-based average dwell time. International Journal of Control, 2022, 95, 651-659.	1.2	2
2	Blockchain-Enabled Fish Provenance and Quality Tracking System. IEEE Internet of Things Journal, 2022, 9, 8130-8142.	5.5	17
3	The Use of Electronic Nose for the Classification of Blended and Single Malt Scotch Whisky. IEEE Sensors Journal, 2022, 22, 7015-7021.	2.4	12
4	Active Disturbance Rejection Control Based Sinusoidal Trajectory Tracking for an Upper Limb Robotic Rehabilitation Exoskeleton. Applied Sciences (Switzerland), 2022, 12, 1287.	1.3	9
5	A Multiscale Wavelet Kernel Regularization-Based Feature Extraction Method for Electronic Nose. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7078-7089.	5.9	5
6	Design of Electronic Nose Detection System for Apple Quality Grading Based on Computational Fluid Dynamics Simulation and K-Nearest Neighbor Support Vector Machine. Sensors, 2022, 22, 2997.	2.1	10
7	A generalized algorithm for the automatic diagnosis of sleep apnea from per-sample encoding of airflow and oximetry. Physiological Measurement, 2022, 43, 065004.	1.2	2
8	An Effective In-Field Calibration Method for Triaxial Magnetometers Based on Local Magnetic Inclination. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	5
9	Voluntary Control of an Ankle Joint Exoskeleton by Able-Bodied Individuals and Stroke Survivors Using EMG-Based Admittance Control Scheme. IEEE Transactions on Biomedical Engineering, 2021, 68, 695-705.	2.5	30
10	Human Motion Intent Description Based on Bumpless Switching Mechanism for Rehabilitation Robot. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 673-682.	2.7	5
11	A novel algorithm for automatic diagnosis of sleep apnea from airflow and oximetry signals. Physiological Measurement, 2021, 42, 015001.	1.2	9
12	The effect of consecutive ambient air pollution on the hospital admission from chronic obstructive pulmonary disease in the Chengdu region, China. Air Quality, Atmosphere and Health, 2021, 14, 1049-1061.	1.5	3
13	Noise-assisted multivariate empirical mode decomposition based causal decomposition for brain-physiological network in bivariate and multiscale time series. Journal of Neural Engineering, 2021, 18, 046018.	1.8	4
14	Ultrasound volume projection image quality selection by ranking from convolutional RankNet. Computerized Medical Imaging and Graphics, 2021, 89, 101847.	3.5	11
15	Stability of Switched Systems with Unstable Subsystems: A Sequence-Based Average Dwell Time Approach. Circuits, Systems, and Signal Processing, 2021, 40, 5328-5350.	1.2	0
16	One-Shot Neural Architecture Search: Maximising Diversity to Overcome Catastrophic Forgetting. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2921-2935.	9.7	27
17	An Efficient Calibration Method for Triaxial Gyroscope. IEEE Sensors Journal, 2021, 21, 19896-19903.	2.4	7
18	Convolutional Neural Networks-Based Lung Nodule Classification: A Surrogate-Assisted Evolutionary Algorithm for Hyperparameter Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 869-882.	7.5	40

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19	Light-Convolution Dense Selection U-Net (LDS U-Net) for Ultrasound Lateral Bony Feature Segmentation. Applied Sciences (Switzerland), 2021, 11, 10180.	1.3	11
20	A Hybrid Arm-Hand Rehabilitation Robot With EMG-Based Admittance Controller. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 1332-1342.	2.7	22
21	DeepMMSA: A Novel Multimodal Deep Learning Method for Non-small Cell Lung Cancer Survival Analysis. , 2021, , .		9
22	Noise-assisted Multivariate Empirical Mode Decomposition based Causal Decomposition for Detecting Upper Limb Movement in EEG-EMG Hybrid Brain Computer Interface. , 2021, 2021, 6029-6032.		0
23	Nonparametric Modelling Based Model Predictive Control for Human Heart Rate Regulation during Treadmill Exercise. , 2021, 2021, 148-151.		2
24	WPO-Net: Windowed Pose Optimization Network for Monocular Visual Odometry Estimation. Sensors, 2021, 21, 8155.	2.1	5
25	EMG Signals Classification on Human Activity Recognition using Machine Learning Algorithm. , 2021, , .		4
26	Voluntary intention-driven rehabilitation robots for the upper limb. , 2020, , 111-130.		5
27	Continuous Description of Human 3D Motion Intent Through Switching Mechanism. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 277-286.	2.7	7
28	A Hybrid Feature Selection and Extraction Methods for Sleep Apnea Detection Using Bio-Signals. Sensors, 2020, 20, 4323.	2.1	14
29	Automatic Segmentation of 3D Ultrasound Spine Curvature Using Convolutional Neural Network. , 2020, 2020, 2039-2042.		3
30	Association Between Consecutive Ambient Air Pollution and Chronic Obstructive Pulmonary Disease Hospitalization: Time Series Study During 2015-2017 in Chengdu China. , 2020, 2020, 5378-5381.		2
31	Consensus of Second-Order Multi-Agent Systems Without a Spanning Tree: A Sequence-Based Topology-Dependent Method. IEEE Access, 2020, 8, 162209-162217.	2.6	1
32	A Per-sample Digitized Algorithm for Automatically Detecting Apnea and Hypopnea Events from Airflow and Oximetry. , 2020, 2020, 5339-5342.		2
33	Overcoming Multi-Model Forgetting in One-Shot NAS With Diversity Maximization. , 2020, , .		43
34	Nonparametric Model Prediction for Intelligent Regulation of Human Cardiorespiratory System to Prescribed Exercise Medicine. IEEE Access, 2020, 8, 224621-224630.	2.6	3
35	An Innovative 9-Parameter Magnetic Calibration Method Using Local Magnetic Inclination and Calibrated Acceleration Value. IEEE Sensors Journal, 2020, 20, 11275-11282.	2.4	3
36	Design of an efficient electronic nose system for odour analysis and assessment. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108089.	2.5	13

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37	Stability of asynchronous switched systems with sequence-based average dwell time approaches. Journal of the Franklin Institute, 2020, 357, 2149-2166.	1.9	13
38	A data-driven meat freshness monitoring and evaluation method using rapid centroid estimation and hidden Markov models. Sensors and Actuators B: Chemical, 2020, 311, 127868.	4.0	24
39	Estimation of Ankle Joint Torque and Angle Based on S-EMG Signal for Assistive Rehabilitation Robots. Series in Bioengineering, 2020, , 31-47.	0.3	9
40	Comparison of Independence of Triceps Brachii and Biceps Brachii Between Paretic and Non-paretic Side During Different MVCsâ€"A Case Study. Series in Bioengineering, 2020, , 71-79.	0.3	3
41	One-Shot Neural Architecture Search via Novelty Driven Sampling. , 2020, , .		14
42	Internet of Things Is Changing Teaching of Technical Subjects at UTS. Topics in Intelligent Engineering and Informatics, 2020, , 131-143.	0.4	0
43	A Robust Airflow Envelope Tracking and Digitization Approach for Automatic Detection of Apnea and Hypopnea Events. , 2020, , .		0
44	Blood Pressure Estimation From Beat-by-Beat Time-Domain Features of Oscillometric Waveforms Using Deep-Neural-Network Classification Models. IEEE Access, 2019, 7, 113427-113439.	2.6	23
45	A Hybrid Physiological Approach of Emotional Reaction Detection Using Combined FCM and SVM Classifier. , 2019, 2019, 7088-7091.		3
46	Identification of Neuromuscular Causal Relationship Between Brain and Muscles in Limb Movement by Using Ensemble Empirical Mode Decomposition based Causal Decomposition. , 2019, 2019, 2667-2670.		3
47	3D Ultrasound Spine Image Selection Using Convolution Learning-to-Rank Algorithm. , 2019, 2019, 4799-4802.		9
48	Slidingâ€mode faultâ€tolerant control using the control allocation scheme. International Journal of Robust and Nonlinear Control, 2019, 29, 6256-6273.	2.1	6
49	A novel multi-odour identification by electronic nose using non-parametric modelling-based feature extraction and time-series classification. Sensors and Actuators B: Chemical, 2019, 298, 126690.	4.0	19
50	Air Quality Monitoring for Vulnerable Groups in Residential Environments Using a Multiple Hazard Gas Detector. Sensors, 2019, 19, 362.	2.1	25
51	A fast-converge, real-time auto-calibration algorithm for triaxial accelerometer. Measurement Science and Technology, 2019, 30, 065010.	1.4	4
52	Dynamic changes in <scp>electroencephalogram</scp> spectral power with varying apnea duration in older adults. Journal of Sleep Research, 2019, 28, e12850.	1.7	2
53	Control allocation-based fault tolerant control. Automatica, 2019, 103, 408-417.	3.0	39
54	Control Allocation Based Sliding Mode Fault Tolerant Control. , 2019, , .		1

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55	The effects of different tracking tasks on muscle synergy through visual feedback. , 2019, 2019, 417-420.		1
56	Neural Adaptive Backstepping Control of a Robotic Manipulator With Prescribed Performance Constraint. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3572-3583.	7.2	120
57	A Hybrid Fuzzy Cognitive Map/Support Vector Machine Approach for EEG-Based Emotion Classification Using Compressed Sensing. International Journal of Fuzzy Systems, 2019, 21, 263-273.	2.3	27
58	Static output feedback fault tolerant control using control allocation scheme. International Journal of Robust and Nonlinear Control, 2019, 29, 98-116.	2.1	8
59	A novel data pre-processing method for odour detection and identification system. Sensors and Actuators A: Physical, 2019, 287, 113-120.	2.0	17
60	A framework for optimal actuator/sensor selection in a control system. International Journal of Control, 2019, 92, 242-260.	1.2	15
61	Design of optimal sliding-mode control using partial eigenstructure assignment. International Journal of Control, 2019, 92, 1511-1523.	1.2	7
62	High Dimensional Bayesian Optimization via Supervised Dimension Reduction. , 2019, , .		12
63	Optimal sparse output feedback for networked systems with parametric uncertainties. Numerical Algebra, Control and Optimization, 2019, 9, 283-295.	1.0	2
64	Classification methods to detect sleep apnea in adults based on respiratory and oximetry signals: a systematic review. Physiological Measurement, 2018, 39, 03TR01.	1.2	56
65	Electronic Nose-Based Odor Classification using Genetic Algorithms and Fuzzy Support Vector Machines. International Journal of Fuzzy Systems, 2018, 20, 1309-1320.	2.3	19
66	Cyber attack protection and control of microgrids. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 602-609.	8.5	86
67	Consensus-Based Smart Grid State Estimation Algorithm. IEEE Transactions on Industrial Informatics, 2018, 14, 3368-3375.	7.2	69
68	Novel frameworks for the design of fault−tolerant control using optimal sliding−mode control. International Journal of Robust and Nonlinear Control, 2018, 28, 3015-3032.	2.1	11
69	Dynamic characteristics of oxygen consumption. BioMedical Engineering OnLine, 2018, 17, 44.	1.3	2
70	Modelling the Interconnected Synchronous Generators and its State Estimations. IEEE Access, 2018, 6, 36198-36207.	2.6	11
71	State-Constrained Control of Single-Rod Electrohydraulic Actuator With Parametric Uncertainty and Load Disturbance. IEEE Transactions on Control Systems Technology, 2018, 26, 2242-2249.	3.2	41
72	Mixed **H2/H∞**-based actuator selection for uncertain polytopic systems with regional pole placement. International Journal of Control, 2018, 91, 320-336.	1.2	7

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73	Congestive Heart Failure Detection Via Short-Time Electrocardiographic Monitoring For Fast Reference Advice In Urgent Medical Conditions. , 2018, 2018, 2256-2259.		6
74	A Dual-Band Dual-Polarized Omnidirectional Antenna for 2G/3G/LTE Indoor System Applications. , 2018, , .		6
75	Changes in lower limb muscle synchronisation during walking on high‐heeled shoes. Healthcare Technology Letters, 2018, 5, 236-238.	1.9	3
76	NOS.E: A New Fast Response Electronic Nose Health Monitoring System. , 2018, 2018, 4977-4980.		4
77	Multi-Loop Integral Control-Based Heart Rate Regulation for Fast Tracking and Faulty-Tolerant Control Performance in Treadmill Exercises. , 2018, , .		0
78	A Novel Optimal Sliding Mode Control For Multiple Time-Delay Systems. , 2018, , .		1
79	Sparsely distributed sliding mode control for interconnected systems. Journal of the Franklin Institute, 2018, 355, 6191-6214.	1.9	3
80	Nonparametric dynamical model of cardiorespiratory responses at the onset and offset of treadmill exercises. Medical and Biological Engineering and Computing, 2018, 56, 2337-2351.	1.6	2
81	A Pulse Energy Injection Inverter for the Switch-Mode Inductive Power Transfer System. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2330-2340.	3.5	6
82	Optimal Sparsely Distributed Static Output Feedback For Publisher/Subscriber Networked Systems With Parametric Uncertainties. , 2018, , .		1
83	‐based optimal sparse sliding mode control for networked control systems. International Journal of Robust and Nonlinear Control, 2018, 28, 16-30.	2.1	8
84	Discrete-time SMC for two-dimensional systems. , 2018, , 161-170.		0
85	Sparse Observer-based discrete-time SMC for NCSs. , 2018, , 113-139.		0
86	Controllability analysis of 2D systems. , 2018, , 171-185.		0
87	DSMC for NCSs involving actuation and measurement consecutive packet losses. , 2018, , 87-110.		0
88	LMI-based output feedback DSMC. , 2018, , 51-66.		0
89	LMI-based state feedback discrete-time SMC for uncertain systems. , 2018, , 27-49.		0
90	Heart rate regulation during cycle-ergometer exercise via event-driven biofeedback. Medical and Biological Engineering and Computing, 2017, 55, 483-492.	1.6	6

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91	Controlling the renewable microgrid using semidefinite programming technique. International Journal of Electrical Power and Energy Systems, 2017, 84, 225-231.	3.3	33
92	Distributed State Estimation Over Unreliable Communication Networks With an Application to Smart Grids. IEEE Transactions on Green Communications and Networking, 2017, 1, 89-96.	3.5	46
93	Distributed State Estimation of Smart Grids with Packet Losses. Asian Journal of Control, 2017, 19, 1306-1315.	1.9	18
94	An Efficient Autocalibration Method for Triaxial Accelerometer. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2380-2390.	2.4	37
95	Design of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi mathvariant="script">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	8
96	Distributed State Estimation for Interconnected Synchronous Generators. IFAC-PapersOnLine, 2017, 50, 5418-5423.	0.5	4
97	Distributed State Estimation for Microgrids. IFAC-PapersOnLine, 2017, 50, 10202-10207.	0.5	1
98	Performance evaluation of Noise-Assisted Multivariate Empirical Mode Decomposition and its application to multichannel EMG signals. , 2017, 2017, 3457-3460.		4
99	EEG emotion recognition using reduced channel wavelet entropy and average wavelet coefficient features with normal Mutual Information method. , 2017, 2017, 463-466.		16
100	EEG-based emotion classification using innovative features and combined SVM and HMM classifier. , 2017, 2017, 489-492.		27
101	Online auto-calibration of triaxial accelerometer with time-variant model structures. Sensors and Actuators A: Physical, 2017, 266, 294-307.	2.0	11
102	Real-time identification of heart rate responses via auxiliary-model-based damped RLS scheme. , 2017, 2017, 1312-1315.		2
103	A NONINVASIVE METHOD TO EVALUATE THE DEGREE OF UPPER AIRWAY STENOSIS. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750035.	0.3	0
104	The classification for â€œequilibrium triadâ€•sensory loss based on sEMG signals of calf muscles. , 2017, 2017, 2142-2145.		0
105	Multiloop Integral Controllability Analysis for Nonlinear Multiple-Input Single-Output Processes. Industrial & Engineering Chemistry Research, 2017, 56, 8054-8065.	1.8	3
106	Sliding mode stabilisation of networked systems with consecutive data packet dropouts using only accessible information. International Journal of Systems Science, 2017, 48, 1291-1300.	3.7	8
107	An evolutionary algorithm with 2-D encoding for image segmentation. , 2017, , .		0
108	Sparse Observer-Based Sliding Mode Control For Networked Control Systems. IFAC-PapersOnLine, 2017, 50, 12997-13002.	0.5	3

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109	Nonparametric modelling of VO<inf>2</inf> response to exercise. , 2017, 2017, 1525-1528.		0
110	A CHF detection method based on deep learning with RR intervals. , 2017, 2017, 3369-3372.		25
111	Extracting time-frequency feature of single-channel vastus medialis EMG signals for knee exercise pattern recognition. PLoS ONE, 2017, 12, e0180526.	1.1	19
112	Strong stability based robust sliding mode control. , 2017, , .		0
113	Global optimization for optimal power flow over transmission networks. Journal of Global Optimization, 2017, 69, 745-760.	1.1	11
114	Distributed dynamic state estimation considering renewable generation and packet losses. , 2016, , .		6
115	An online recursive autocalibration of triaxial accelerometer. , 2016, 2016, 2038-2041.		1
116	â„‹<inf>2</inf>-based optimal sparse sliding mode control for networked control systems. , 2016, , .		3
117	Real-time modelling of heart rate response during exercise using a novel constrained parameter estimation method. , 2016, 2016, 2680-2683.		0
118	Distributed dynamic state estimation over a lossy communication network with an application to smart grids. , 2016, , .		4
119	â€<inf>2</inf>/H<inf>âˆ</inf> based sliding mode control: A partial eigenstructure assignment method. , 2016, , .		2
120	Distributed condition monitoring of renewable microgrids using adaptive-then-combine algorithm. , 2016, , .		3
121	Microgrid protection and control through reliable smart grid communication systems. , 2016, , .		8
122	Stabilising the networked control systems involving actuation and measurement consecutive packet losses. IET Control Theory and Applications, 2016, 10, 1269-1280.	1.2	19
123	Backstepping Control of Electro-Hydraulic System Based on Extended-State-Observer With Plant Dynamics Largely Unknown. IEEE Transactions on Industrial Electronics, 2016, 63, 6909-6920.	5.2	187
124	An Adaptive-Then-Combine Dynamic State Estimation Considering Renewable Generations in Smart Grids. IEEE Journal on Selected Areas in Communications, 2016, 34, 3954-3961.	9.7	28
125	Cyber attack protection and control in microgrids using channel code and semidefinite programming. , 2016, , .		5
126	On LMI-based sliding mode control for uncertain discrete-time systems. Journal of the Franklin Institute, 2016, 353, 3857-3875.	1.9	28

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127	Automatic bearing fault diagnosis using particle swarm clustering and Hidden Markov Model. Engineering Applications of Artificial Intelligence, 2016, 47, 88-100.	4.3	64
128	Robust output-feedback discrete-time sliding mode control utilizing disturbance observer. , 2015, , .		3
129	A review of motion related EEG artifact removal techniques. , 2015, , .		6
130	Experimental design for the calibration of tri-axial Magnetometers. , 2015, , .		2
131	Fault detection of rolling bearing based on FFT and classification. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2015, 9, JAMDSM0056-JAMDSM0056.	0.3	10
132	Modeling of tri-axial accelerometers in a self-designed wearable inertial measurement unit. , 2015, , .		0
133	Investigation of window size in classification of EEG-emotion signal with wavelet entropy and support vector machine. , 2015, 2015, 7250-3.		99
134	Unsupervised feature selection using swarm intelligence and consensus clustering for automatic fault detection and diagnosis in Heating Ventilation and Air Conditioning systems. Applied Soft Computing Journal, 2015, 34, 402-425.	4.1	53
135	Designing adaptive integral sliding mode control for heart rate regulation during cycle-ergometer exercise using bio-feedback. , 2015, 2015, 6688-91.		6
136	Robust state-of-charge estimation of ultracapacitors for electric vehicles. , 2015, , .		7
137	Heart rate regulation during cycle-ergometer exercise via bio-feedback. , 2015, 2015, 4639-42.		2
138	Recognizing emotions from EEG subbands using wavelet analysis. , 2015, 2015, 6030-3.		27
139	Distributed microgrid state estimation using smart grid communications. , 2015, , .		3
140	Kalman filter based microgrid state estimation and control using the IoT with 5G networks. , 2015, , .		10
141	Optimum Experimental Design applied to MEMS accelerometer calibration for 9-parameter auto-calibration model. , 2015, 2015, 3145-8.		6
142	Kalman filter based distributed state estimation with communication systems. , 2015, , .		2
143	Decentralized Integral Controllability Analysis Based on a New Unconditional Stability Criterion. IEEE Transactions on Automatic Control, 2015, 60, 211-215.	3.6	2
144	Discrete-time sliding mode control for networked systems with random communication delays. , 2015, , .		11

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145	Controllability Analysis of Two-Dimensional Systems Using 1D Approaches. IEEE Transactions on Automatic Control, 2015, 60, 2977-2982.	3.6	7
146	Distributed State Estimation Using RSC Coded Smart Grid Communications. IEEE Access, 2015, 3, 1340-1349.	2.6	18
147	Design and development of bio-inspired flapping wing aerial vehicles. , 2015, , .		6
148	Intelligent Management of Multiple Access Schemes in Wireless Body Area Network. Journal of Networks, 2015, 10, .	0.4	7
149	Neural network approach for non-invasive detection of hyperglycemia using electrocardiographic signals. , 2014, 2014, 4475-8.		15
150	An algorithm for scalable clustering: Ensemble Rapid Centroid Estimation. , 2014, , .		8
151	Decentralized sliding mode control for uncertain discrete-time large-scale systems: An LMI approach. , 2014, , .		0
152	Controllability analysis of the first FM model of 2D systems: A row (column) process. , 2014, , .		0
153	On heart rate regulation in cycle-ergometer exercise. , 2014, 2014, 3390-3.		2
154	An equivalent circuit model for onset and offset exercise response. BioMedical Engineering OnLine, 2014, 13, 145.	1.3	14
155	A new LMI-based robust Sliding Mode Control for the uncertain discrete-time systems. , 2014, , .		2
156	An optimal fuzzy control medium access in wireless body area networks. Neurocomputing, 2014, 142, 107-114.	3.5	20
157	Modelling and regulating of cardio-respiratory response for the enhancement of interval training. BioMedical Engineering OnLine, 2014, 13, 9.	1.3	7
158	Fault detection and identification spanning multiple processes by integrating PCA with neural network. Applied Soft Computing Journal, 2014, 14, 4-11.	4.1	34
159	A new unconditionally stable condition based on singular perturbation analysis. International Journal of Control, 2014, 87, 464-472.	1.2	1
160	Data Clustering Using Variants of Rapid Centroid Estimation. IEEE Transactions on Evolutionary Computation, 2014, 18, 366-377.	7.5	38
161	Neural Network Based Diagonal Decoupling Control of Powered Wheelchair Systems. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 371-378.	2.7	11
162	Unsupervised nonparametric method for gait analysis using a waist-worn inertial sensor. Applied Soft Computing Journal, 2014, 14, 72-80.	4.1	31

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163	Advanced portable remote monitoring system for the regulation of treadmill running exercises. Artificial Intelligence in Medicine, 2014, 61, 119-126.	3.8	14
164	Unsupervised segmentation of heel-strike IMU data using rapid cluster estimation of wavelet features. , 2013, 2013, 953-6.		6
165	Automatic Feature Selection Using Multiobjective Cluster Optimization for Fault Detection in a Heating Ventilation and Air Conditioning System. , 2013, , .		2
166	Experimental study on a smart wheelchair system using a combination of stereoscopic and spherical vision. , 2013, 2013, 4597-600.		24
167	The advancement of an obstacle avoidance bayesian neural network for an intelligent wheelchair. , 2013, 2013, 3642-5.		11
168	The application of Discrete sliding mode control in parabolic PDE dynamics. , 2013, , .		1
169	Effects of hyperglycemia on variability of RR, QT and corrected QT intervals in Type 1 diabetic patients. , 2013, 2013, 1819-22.		14
170	Shared control strategies for human - Machine interface in an intelligent wheelchair. , 2013, 2013, 3638-41.		15
171	A new approach to applying discrete sliding mode control to 2D systems. , 2013, , .		11
172	A reliable medium access mechanism based on priorities for wireless body sensor networks. , 2013, 2013, 1855-8.		2
173	Identification of Hypoglycemia and Hyperglycemia in Type 1 Diabetic patients using ECG parameters. , 2012, 2012, 2716-9.		23
174	Optimization strategies for rapid centroid estimation. , 2012, 2012, 6212-5.		7
175	Method for increasing the computation speed of an unsupervised learning approach for data clustering. , 2012, , .		10
176	Development of a Bayesian neural network to perform obstacle avoidance for an intelligent wheelchair. , 2012, 2012, 1884-7.		3
177	Gait cycle spectrogram analysis using a torso-attached inertial sensor. , 2012, 2012, 6539-42.		3
178	Intelligent Fault Detection and Isolation of HVAC System Based on Online Support Vector Machine. , 2012, , 287-304.		0
179	Nonlinear Modeling Using Support Vector Machine for Heart Rate Response to Exercise. , 2012, , 255-270.		4
180	Machine Learning-based Nonlinear Model Predictive Control for Heart Rate Response to Exercise. , 2012, , 271-285.		3

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181	Fast unsupervised learning method for rapid estimation of cluster centroids. , 2012, , .		9
182	Real-time performance of a hands-free semi-autonomous wheelchair system using a combination of stereoscopic and spherical vision. , 2012, 2012, 3069-72.		4
183	Multi-realization of nonlinear systems. Automatica, 2012, 48, 1455-1461.	3.0	3
184	Gait episode identification based on wavelet feature clustering of spectrogram images. , 2012, 2012, 2949-52.		3
185	Unsupervised machine-learning method for improving the performance of ambulatory fall-detection systems. BioMedical Engineering OnLine, 2012, 11, 9.	1.3	66
186	Onset and Offset Exercise Response Model in Electronic Terms. , 2012, , .		0
187	Enhancement Interval Training Exercise based on the Analysis of Dynamic Cardio-Respiratory Response. , 2012, , .		0
188	Robust online adaptive neural network control for the regulation of treadmill exercises. , 2011, 2011, 1005-8.		2
189	Fall detection using a Gaussian distribution of clustered knowledge, augmented radial basis neural-network, and multilayer perceptron. , 2011, , .		6
190	Robust Neuro-Sliding Mode Multivariable Control Strategy for Powered Wheelchairs. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 105-111.	2.7	31
191	Development of a Bayesian recursive algorithm to find free-spaces for an intelligent wheelchair. , 2011, 2011, 7250-3.		6
192	Comprehensive Mathematical Modeling and Dynamic Simulation of Fixed Bed Reactor with Finite Element Method. , 2011, , .		0
193	Optimizing Heart Rate Regulation for Safe Exercise. Annals of Biomedical Engineering, 2010, 38, 758-768.	1.3	24
194	Dynamic Modelling of Heart Rate Response Under Different Exercise Intensity. Open Medical Informatics Journal, 2010, 4, 81-85.	1.0	13
195	Spherical vision cameras in a semi-autonomous wheelchair system. , 2010, 2010, 4064-7.		2
196	Laboratory demonstration for model predictive multivariable control with a coupled drive system. , 2010, , .		0
197	Fast tracking of a given heart rate profile in treadmill exercise. , 2010, 2010, 2569-72.		7
198	Modeling of human Heart Rate response during walking, cycling and rowing. , 2010, 2010, 2553-6.		9

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199	Dynamic Modelling of Heart Rate Response Under Different Exercise Intensity. Open Medical Informatics Journal, 2010, 4, 81-85.	1.0	14
200	Multi-realization of nonlinear systems. , 2009, , .		1
201	Transient and steady state estimation of human oxygen uptake based on noninvasive portable sensor measurements. Medical and Biological Engineering and Computing, 2009, 47, 1111-1117.	1.6	16
202	Conditions for triangular decoupling control. International Journal of Control, 2009, 82, 1575-1581.	1.2	11
203	Analysis of nonlinear and linear behaviors of heart rate for running exercise. , 2009, , .		0
204	Assessing the human cardiovascular response to moderate exercise: feature extraction by support vector regression. Physiological Measurement, 2009, 30, 227-244.	1.2	23
205	Rate estimation for the monitoring of rehabilitation exercises. , 2009, 2009, 6267-70.		0
206	Nonlinear Modeling and Control of Human Heart Rate Response During Exercise With Various Work Load Intensities. IEEE Transactions on Biomedical Engineering, 2008, 55, 2499-2508.	2.5	121
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