Ahmad Taher Azar

List of Publications by Year
in descending order

386 papers	10,793 citations	38742 50 h-index	60623 81 g-index
401 all docs	401 docs citations	401 times ranked	4541 citing authors

#	Article	IF	Citations
1	Output tracking and feedback stabilization for 6-DoF UAV using an enhanced active disturbance rejection control. International Journal of Intelligent Unmanned Systems, 2022, 10, 330-345.	1.0	10
2	Power Quality Improvement for Grid-Connected Photovoltaic Panels Using Direct Power Control. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 107-142.	0.4	8
3	Artificial Neural Network for PWM Rectifier Direct Power Control and DC Voltage Control. , 2022, , 440-470.		0
4	Multilevel Inverter for Hybrid Fuel Cell/PV Energy Conversion System. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 233-270.	0.4	2
5	Neighborhood Rough Set Approach With Biometric Application. International Journal of Sociotechnology and Knowledge Development, 2022, 14, 1-20.	1.0	7
6	Modified Dominance-Based Soft Set Approach for Feature Selection. International Journal of Sociotechnology and Knowledge Development, 2022, 14, 1-20.	1.0	8
7	Hybrid Rough Set With Black Hole Optimization-Based Feature Selection Algorithm for Protein Structure Prediction. International Journal of Sociotechnology and Knowledge Development, 2022, 14, 1-44.	1.0	7
8	Fractional-Order Euler–Lagrange Dynamic Formulation and Control of Asynchronous Switched Robotic Systems. Advances in Intelligent Systems and Computing, 2022, , 479-490.	0.6	3
9	Guest Editorial: Introduction to the Special Section on Efficient Network Design for Convergence of Deep Learning and Edge Computing. IEEE Transactions on Network Science and Engineering, 2022, 9, 109-110.	6.4	2
10	Robust Feature Selection Using Rough Set-Based Ant-Lion Optimizer for Data Classification. International Journal of Sociotechnology and Knowledge Development, 2022, 14, 1-21.	1.0	4
11	LiTasNeT. International Journal of Sociotechnology and Knowledge Development, 2022, 14, 1-19.	1.0	3
12	Rough Set Based Classification and Feature Selection Using Improved Harmony Search for Peptide Analysis and Prediction of Anti-HIV-1 Activities. Applied Sciences (Switzerland), 2022, 12, 2020.	2.5	7
13	Towards Enhancing the Robustness of Scale-Free IoT Networks by an Intelligent Rewiring Mechanism. Sensors, 2022, 22, 2658.	3.8	7
14	iReader: An Intelligent Reader System for the Visually Impaired. , 2022, , .		1
15	Special Issue "Complex Dynamic System Modelling, Identification and Control". Entropy, 2022, 24, 380.	2.2	1
16	Adaptive backstepping sliding mode control design for vibration suppression of earth-quaked building supported by magneto-rheological damper. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 768-783.	2.9	13
17	Optimized Fractional Order Integral-Tilt Derivative Controller for Frequency Regulation of Interconnected Diverse Renewable Energy Resources. IEEE Access, 2022, 10, 43514-43527.	4.2	40
18	Robust Variable-Step Perturb-and-Observe Sliding Mode Controller for Grid-Connected Wind-Energy-Conversion Systems. Entropy, 2022, 24, 731.	2.2	11

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19	Trajectory tracking of differential drive mobile robots using fractional-order proportional-integral-derivative controller design tuned by an enhanced fruit fly optimization. Measurement and Control, 2022, 55, 209-226.	1.8	13
20	Hybrid and Deep Learning Approach for Early Diagnosis of Lower Gastrointestinal Diseases. Sensors, 2022, 22, 4079.	3.8	27
21	Least square algorithm based on bias compensated principle for parameter estimation of canonical state space model. Measurement and Control, 2022, 55, 330-339.	1.8	2
22	Adaptive Synergetic Motion Control for Wearable Knee-Assistive System: A Rehabilitation of Disabled Patients. Actuators, 2022, 11, 176.	2.3	15
23	Parameterization of a Novel Nonlinear Estimator for Uncertain SISO Systems with Noise Scenario. Mathematics, 2022, 10, 2261.	2.2	3
24	TAU: A framework for video-based traffic analytics leveraging artificial intelligence and unmanned aerial systems. Engineering Applications of Artificial Intelligence, 2022, 114, 105095.	8.1	16
25	Model-free active input–output feedback linearization of a single-link flexible joint manipulator: An improved active disturbance rejection control approach. Measurement and Control, 2021, 54, 856-871.	1.8	31
26	An introduction to backstepping control. , 2021, , 1-32.		5
27	A new chaotic system without linear term, its backstepping control, and circuit design. , 2021, , 33-52.		5
28	A new chaotic jerk system with egg-shaped strange attractor, its dynamical analysis, backstepping control, and circuit simulation. , 2021, , 53-71.		5
29	A new 4-D chaotic hyperjerk system with coexisting attractors, its active backstepping control, and circuit realization. , 2021, , 73-94.		11
30	A new 3-D chaotic jerk system with a saddle-focus rest point at the origin, its active backstepping control, and circuit realization. , 2021, , 95-114.		5
31	A new 5-D hyperchaotic four-wing system with multistability and hidden attractor, its backstepping control, and circuit simulation. , 2021, , 115-138.		9
32	A new 4-D hyperchaotic temperature variations system with multistability and strange attractor, bifurcation analysis, its active backstepping control, and circuit realization. , 2021, , 139-164.		5
33	A new thermally excited chaotic jerk system, its dynamical analysis, adaptive backstepping control, and circuit simulation. , 2021, , 165-189.		5
34	Adaptive backstepping controller for DFIG-based wind energy conversion system. , 2021, , 235-260.		8
35	Optimal adaptive backstepping control for chaos synchronization of nonlinear dynamical systems. , 2021, , 291-345.		9
36	Backstepping controller for nonlinear active suspension system. , 2021, , 347-374.		6

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37	Backstepping control and synchronization of chaotic time delayed systems. , 2021, , 407-424.		3
38	Multi-switching synchronization of nonlinear hyperchaotic systems via backstepping control. , 2021, , 425-447.		8
39	A 5-D hyperchaotic dynamo system with multistability, its dynamical analysis, active backstepping control, and circuit simulation. , 2021, , 449-471.		5
40	A novel chaotic system with a closed curve of four quarter-circles of equilibrium points: dynamics, active backstepping control, and electronic circuit implementation. , 2021, , 485-507.		3
41	Single-link flexible joint manipulator control using backstepping technique. , 2021, , 375-406.		6
42	Optimal Fractional-Order Fuzzy-MPPT for solar water pumping system. Journal of Intelligent and Fuzzy Systems, 2021, 40, 1175-1190.	1.4	10
43	A new multistable plasma torch chaotic jerk system, its dynamical analysis, active backstepping control, and circuit design. , 2021, , 191-214.		4
44	Fast terminal sliding mode controller for high speed and complex maneuvering of unmanned aerial vehicles. , 2021, , 203-230.		1
45	Robust Decentralized Asynchronous Control of Unmanned Aerial Vehicles Swarm with Fast Convergence SwitchingÂTopology. Advances in Intelligent Systems and Computing, 2021, , 662-673.	0.6	3
46	A nonlinear PID controller design for 6-DOF unmanned aerial vehicles. , 2021, , 315-343.		9
47	Impact of Ultra Capacitor on Automatic Load Frequency Control of Nonlinear Power System. Lecture Notes in Electrical Engineering, 2021, , 333-341.	0.4	6
48	Towards Interoperable Blockchains: A Survey on the Role of Smart Contracts in Blockchain Interoperability. IEEE Access, 2021, 9, 116672-116691.	4.2	31
49	The complex dynamics of renewable energy innovation system in Tunisia. , 2021, , 121-164.		3
50	Lagrangian Dynamic Model Derivation and Energy Shaping Control ofÂNon-holonomic Unmanned Aerial Vehicles. Advances in Intelligent Systems and Computing, 2021, , 483-493.	0.6	3
51	Tuning of extended Kalman filter using grey wolf optimisation for speed control of permanent magnet synchronous motor drive. International Journal of Automation and Control, 2021, 15, 563.	0.5	2
52	Discrete Time Chaotic Maps With Application to Random Bit Generation. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2021, , 542-582.	0.5	1
53	Hybrid Multi-Objective Grey Wolf Search Optimizer and Machine Learning Approach for Software Bug Prediction. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2021, , 314-337.	0.5	11
54	Control-Based Maximum Power Point Tracking for a Grid-Connected Hybrid Renewable Energy System Optimized by Particle Swarm Optimization. , 2021, , 353-384.		2

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55	Event-driven programming-based path planning and navigation of UAVs around a complex urban environment. , 2021, , 531-565.		7
56	Sliding mode controller design for unmanned aerial vehicles with unmodeled polytopic dynamics. , 2021, , 495-519.		1
57	Multiobjective optimization-based energy management system considering renewable energy, energy storage systems, and electric vehicles. , 2021, , 471-485.		5
58	Finite Element Euler-Lagrange Dynamic Modeling and Passivity Based Control of Flexible Link Robot. Advances in Intelligent Systems and Computing, 2021, , 451-462.	0.6	2
59	Robust fractional-order sliding mode control design for UAVs subjected to atmospheric disturbances. , 2021, , 103-128.		2
60	Fractional-order controller design and implementation for maximum power point tracking in photovoltaic panels. , 2021, , 255-277.		3
61	Dynamic Integral PID Sliding Mode Attitude-Position Control of Unmanned Aerial Vehicles. Advances in Intelligent Systems and Computing, 2021, , 651-661.	0.6	3
62	Three-level (NPC) shunt active power filter based on fuzzy logic and fractional-order PI controller. International Journal of Automation and Control, 2021, 15, 149.	0.5	17
63	Robust Hˆž Loop Shaping Controller Synthesis for SISO Systems by Complex Modular Functions. Mathematical and Computational Applications, 2021, 26, 21.	1.3	2
64	Social spider optimization algorithm for tuning parameters in PD-like Interval Type-2 Fuzzy Logic Controller applied to a parallel robot. Measurement and Control, 2021, 54, 303-323.	1.8	33
65	Drone Deep Reinforcement Learning: A Review. Electronics (Switzerland), 2021, 10, 999.	3.1	120
66	Decoupled Lateral-Longitudinal Dynamic Modeling and Control of Unmanned Aerial Vehicles. , 2021, , .		5
67	Disturbance-Rejection-Based Optimized Robust Adaptive Controllers for UAVs. IEEE Systems Journal, 2021, 15, 3097-3108.	4.6	32
68	Advanced methods for missing values imputation based on similarity learning. PeerJ Computer Science, 2021, 7, e619.	4.5	17
69	Robust Model Reference Adaptive Control for Tail-Sitter VTOL Aircraft. Actuators, 2021, 10, 162.	2.3	19
70	Robust Stabilization and Synchronization of a Novel Chaotic System with Input Saturation Constraints. Entropy, 2021, 23, 1110.	2.2	10
71	Automatic Generation Control of Multi-Source Interconnected Power System Using FOI-TD Controller. Energies, 2021, 14, 5867.	3.1	33
72	Design of a Fuzzy Logic Controller for Short-Term Load Forecasting With Randomly Varying Load. International Journal of Sociotechnology and Knowledge Development, 2021, 13, 32-49.	1.0	10

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73	Recognition of Livestock Disease Using Adaptive Neuro-Fuzzy Inference System. International Journal of Sociotechnology and Knowledge Development, 2021, 13, 101-118.	1.0	11
74	On the stabilization of 6-DOF UAV quadrotor system using modified active disturbance rejection control. , 2021, , 257-287.		10
75	Three-level (NPC) shunt active power filter based on fuzzy logic and fractional-order PI controller. International Journal of Automation and Control, 2021, 15, 149.	0.5	0
76	Improvement of fuel cell MPPT performance with a fuzzy logic controller. , 2021, , 161-181.		7
77	Robust Control and Synchronization ofÂFractional-Order Complex Chaotic Systems with Hidden Attractor. Algorithms for Intelligent Systems, 2021, , 199-210.	0.6	0
78	Robotics and Intelligent Systems Against a Pandemic. Acta Polytechnica Hungarica, 2021, 18, 13-35.	2.9	72
79	Dynamic self-recurrent wavelet neural network for solar irradiation forecasting. , 2021, , 249-274.		3
80	Synchronization and Anti-Synchronization of Unidirectional and Bidirectional Coupled Chaotic Systems by Terminal Sliding Mode Control. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2021, , 399-433.	0.5	0
81	Efficient maximum power point tracking in fuel cell using the fractional-order PID controller. , 2021, , 111-132.		8
82	Nonlinear Fractional Order System Synchronization via Combination-Combination Multi-switching. Advances in Intelligent Systems and Computing, 2021, , 851-861.	0.6	11
83	Synchronization Control in Fractional Discrete-Time Systems with Chaotic Hidden Attractors. Advances in Intelligent Systems and Computing, 2021, , 661-669.	0.6	11
84	Fractional-Order Control of a Fuel Cellâ€"Boost Converter System. Advances in Intelligent Systems and Computing, 2021, , 713-724.	0.6	10
85	A Backstepping Direct Power Control of Three Phase Pulse Width Modulated Rectifier. Advances in Intelligent Systems and Computing, 2021, , 445-456.	0.6	8
86	Intelligent Fault Detection and Identification Approach for Analog Electronic Circuits Based on Fuzzy Logic Classifier. Electronics (Switzerland), 2021, 10, 2888.	3.1	17
87	Towards Electric Price and Load Forecasting Using CNN-Based Ensembler in Smart Grid. Sustainability, 2021, 13, 12653.	3.2	31
88	Efficient Node Deployment of Large-Scale Heterogeneous Wireless Sensor Networks. Applied Sciences (Switzerland), 2021, 11, 10924.	2.5	12
89	On Inverse Full State Hybrid Function Projective Synchronization For Continuous-time Chaotic Dynamical Systems with Arbitrary Dimensions. Differential Equations and Dynamical Systems, 2020, 28, 1045-1058.	1.0	47
90	New binary whale optimization algorithm for discrete optimization problems. Engineering Optimization, 2020, 52, 945-959.	2.6	106

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91	Combination-Combination Anti-Synchronization of Four Fractional Order Identical Hyperchaotic Systems. Advances in Intelligent Systems and Computing, 2020, , 406-414.	0.6	23
92	Agricultural Service Mobile Robot Modeling and Control Using Artificial Fuzzy Logic and Machine Vision. Advances in Intelligent Systems and Computing, 2020, , 453-465.	0.6	20
93	Fractional-Order Control Scheme for Q-S Chaos Synchronization. Advances in Intelligent Systems and Computing, 2020, , 434-441.	0.6	14
94	Synchronization between a Novel Integer-Order Hyperchaotic System and a Fractional-Order Hyperchaotic System Using Tracking Control. Advances in Intelligent Systems and Computing, 2020, , 382-391.	0.6	14
95	Optimal Proportional Integral Derivative (PID) Controller Design for Smart Irrigation Mobile Robot with Soil Moisture Sensor. Advances in Intelligent Systems and Computing, 2020, , 349-359.	0.6	7
96	Robust Path Tracking of Mobile Robot Using Fractional Order PID Controller. Advances in Intelligent Systems and Computing, 2020, , 370-381.	0.6	33
97	A New Generalized Synchronization Scheme to Control Fractional Chaotic Systems with Non-identical Dimensions and Different Orders. Advances in Intelligent Systems and Computing, 2020, , 415-424.	0.6	16
98	Path Planning Control for 3-Omni Fighting Robot Using PID and Fuzzy Logic Controller. Advances in Intelligent Systems and Computing, 2020, , 442-452.	0.6	33
99	Intelligent Hybrid Approach for Feature Selection. Advances in Intelligent Systems and Computing, 2020, , 71-79.	0.6	13
100	Adaptive neural-fuzzy and backstepping controller for port-Hamiltonian systems. International Journal of Computer Applications in Technology, 2020, 62, 1.	0.5	22
101	Noise Free Fully Homomorphic Encryption Scheme Over Non-Associative Algebra. IEEE Access, 2020, 8, 136524-136536.	4.2	7
102	Autonomous navigation and obstacle avoidance of an omnidirectional mobile robot using swarm optimization and sensors deployment. International Journal of Advanced Robotic Systems, 2020, 17, 172988142092949.	2.1	52
103	Adaptive self-recurrent wavelet neural network and sliding mode controller/observer for a slider crank mechanism. International Journal of Computer Applications in Technology, 2020, 63, 273.	0.5	9
104	Stability analysis and robust synchronisation of fractional-order modified Colpitts oscillators. International Journal of Automation and Control, 2020, 14, 52.	0.5	28
105	Polynomial robust observer implementation based passive synchronization of nonlinear fractional-order systems with structural disturbances. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 1369-1386.	2.6	21
106	DeepBrain: Experimental Evaluation of Cloud-Based Computation Offloading and Edge Computing in the Internet-of-Drones for Deep Learning Applications. Sensors, 2020, 20, 5240.	3.8	37
107	A Generic Izhikevich-Modelled FPGA-Realized Architecture: A Case Study of Printed English Letter Recognition. , 2020, , .		15
108	Fractional inverse full state hybrid projective synchronisation. International Journal of Advanced Intelligence Paradigms, 2020, 17, 279.	0.3	4

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109	Intelligent system for feature selection based on rough set and chaotic binary grey wolf optimisation. International Journal of Computer Applications in Technology, 2020, 63, 4.	0.5	16
110	A Novel Design of a Neural Network-Based Fractional PID Controller for Mobile Robots Using Hybridized Fruit Fly and Particle Swarm Optimization. Complexity, 2020, 2020, 1-18.	1.6	70
111	Adaptive Fuzzy Type-2 Fractional Order Proportional Integral Derivative Sliding Mode Controller for Trajectory Tracking of Robotic Manipulators. , 2020, , .		14
112	Improved Dominance Soft Set Based Decision Rules with Pruning for Leukemia Image Classification. Electronics (Switzerland), 2020, 9, 794.	3.1	12
113	Rough Set Based Ant-Lion Optimizer for Feature Selection. , 2020, , .		7
114	Novel Active Disturbance Rejection Control Based on Nested Linear Extended State Observers. Applied Sciences (Switzerland), 2020, 10, 4069.	2.5	28
115	Neural Computing Enhanced Parameter Estimation for Multi-Input and Multi-Output Total Non-Linear Dynamic Models. Entropy, 2020, 22, 510.	2.2	20
116	Genetic Optimization-Based Consensus Control of Multi-Agent 6-DoF UAV System. Sensors, 2020, 20, 3576.	3.8	47
117	A New Adaptive Synergetic Control Design for Single Link Robot Arm Actuated by Pneumatic Muscles. Entropy, 2020, 22, 723.	2.2	44
118	Stabilization of Port Hamiltonian Chaotic Systems with Hidden Attractors by Adaptive Terminal Sliding Mode Control. Entropy, 2020, 22, 122.	2.2	26
119	Medical nanorobots: Design, applications and future challenges. , 2020, , 329-394.		9
120	Leukemia Image Segmentation Using a Hybrid Histogram-Based Soft Covering Rough K-Means Clustering Algorithm. Electronics (Switzerland), 2020, 9, 188.	3.1	43
121	A fractional map with hidden attractors: chaos and control. European Physical Journal: Special Topics, 2020, 229, 1083-1093.	2.6	42
122	Improved Active Disturbance Rejection-Based Decentralized Control for MIMO Nonlinear Systems: Comparison with The Decoupled Control Scheme. Applied Sciences (Switzerland), 2020, 10, 2515.	2.5	26
123	Grid-Based Mobile Robot Path Planning Using Aging-Based Ant Colony Optimization Algorithm in Static and Dynamic Environments. Sensors, 2020, 20, 1880.	3.8	117
124	Fuzzy PID Controller for Automatic Generation Control of Interconnected Power System Tuned by Glow-Worm Swarm Optimization. Learning and Analytics in Intelligent Systems, 2020, , 140-149.	0.6	23
125	PSO-Based Adaptive Perturb and Observe MPPT Technique for Photovoltaic Systems. Advances in Intelligent Systems and Computing, 2020, , 125-135.	0.6	21
126	Optimal Design of PID Controller for 2-DOF Drawing Robot Using Bat-Inspired Algorithm. Advances in Intelligent Systems and Computing, 2020, , 175-186.	0.6	13

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127	Chaotic Control in Fractional-Order Discrete-Time Systems. Advances in Intelligent Systems and Computing, 2020, , 207-217.	0.6	11
128	Synchronization of Fractional-Order Discrete-Time Chaotic Systems. Advances in Intelligent Systems and Computing, 2020, , 218-228.	0.6	7
129	PID Controller for 2-DOFs Twin Rotor MIMO System Tuned with Particle Swarm Optimization. Advances in Intelligent Systems and Computing, 2020, , 229-242.	0.6	16
130	Robust H-Infinity Decentralized Control for Industrial Cooperative Robots. Advances in Intelligent Systems and Computing, 2020, , 254-265.	0.6	13
131	Adaptive Terminal-Integral Sliding Mode Force Control of Elastic Joint Robot Manipulators in the Presence of Hysteresis. Advances in Intelligent Systems and Computing, 2020, , 266-276.	0.6	5
132	Controlling Chaotic System via Optimal Control. Advances in Intelligent Systems and Computing, 2020, , 277-287.	0.6	4
133	Implementation of PID Controller with PSO Tuning for Autonomous Vehicle. Advances in Intelligent Systems and Computing, 2020, , 288-299.	0.6	23
134	Tuning of PID Controller Using Particle Swarm Optimization for Cross Flow Heat Exchanger Based on CFD System Identification. Advances in Intelligent Systems and Computing, 2020, , 300-312.	0.6	21
135	Design and Implementation of a Ball and Beam PID Control System Based on Metaheuristic Techniques. Advances in Intelligent Systems and Computing, 2020, , 313-325.	0.6	12
136	Classifying Upper Limb Activities Using Deep Neural Networks. Advances in Intelligent Systems and Computing, 2020, , 268-282.	0.6	19
137	Experimental Kinematic Modeling of 6-DOF Serial Manipulator Using Hybrid Deep Learning. Advances in Intelligent Systems and Computing, 2020, , 283-295.	0.6	23
138	A Hybrid Deep Learning Based Autonomous Vehicle Navigation and Obstacles Avoidance. Advances in Intelligent Systems and Computing, 2020, , 296-307.	0.6	23
139	Deep Learning Based Kinematic Modeling of 3-RRR Parallel Manipulator. Advances in Intelligent Systems and Computing, 2020, , 308-321.	0.6	19
140	Path Planning of a Self Driving Vehicle Using Artificial Intelligence Techniques and Machine Vision. Advances in Intelligent Systems and Computing, 2020, , 532-542.	0.6	17
141	Multi-switching Combination Synchronization of Fractional Order Chaotic Systems. Advances in Intelligent Systems and Computing, 2020, , 655-664.	0.6	10
142	Dynamic Analysis of a Fractional Map with Hidden Attractor. Advances in Intelligent Systems and Computing, 2020, , 731-739.	0.6	8
143	Adaptive Integral Sliding Mode Force Control of Robotic Manipulators with Parametric Uncertainties and Time-Varying Loads. , 2020, , .		4
144	Adapted Fuzzy Fractional Order proportional-integral controller for DC Motor. , 2020, , .		10

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145	Machine Learning with Blockchain for Secure E-voting System. , 2020, , .		19
146	Backstepping H-Infinity Control of Unmanned Aerial Vehicles with Time Varying Disturbances. , 2020, , .		14
147	Selective harmonic elimination strategy in the multilevel inverters for grid connected photovoltaic system. International Journal of Advanced Intelligence Paradigms, 2020, 15, 317.	0.3	6
148	Hybridization of Fuzzy and Hard Semi-Supervised Clustering Algorithms Tuned with Ant Lion Optimizer Applied to Higgs Boson Search. CMES - Computer Modeling in Engineering and Sciences, 2020, 125, 459-494.	1.1	13
149	Adaptive self-recurrent wavelet neural network and sliding mode controller/observer for a slider crank mechanism. International Journal of Computer Applications in Technology, 2020, 63, 273.	0.5	1
150	Direct Torque Control of Three Phase Asynchronous Motor with Sensorless Speed Estimator. Advances in Intelligent Systems and Computing, 2020, , 243-253.	0.6	4
151	Short Term Electricity Load Forecasting Through Machine Learning. Advances in Intelligent Systems and Computing, 2020, , 427-437.	0.6	6
152	Machine Learning Techniques for Handwritten Digit Recognition. Advances in Intelligent Systems and Computing, 2020, , 414-426.	0.6	3
153	TLBO Algorithm Optimized Fractional-Order PID Controller for AGC of Interconnected Power System. Advances in Intelligent Systems and Computing, 2019, , 847-855.	0.6	48
154	Fractional Order Unknown Inputs Fuzzy Observer for Takagiâ€"Sugeno Systems with Unmeasurable Premise Variables. Mathematics, 2019, 7, 984.	2.2	28
155	Impact of Flexible AC Transmission System Devices on Automatic Generation Control with a Metaheuristic Based Fuzzy PID Controller. Energies, 2019, 12, 4193.	3.1	45
156	Iterative Learning and Fractional Order Control for Complex Systems. Complexity, 2019, 2019, 1-3.	1.6	5
157	Control of continuous-time chaotic (hyperchaotic) systems: <i>F</i>-<i>M</i> synchronisation. International Journal of Automation and Control, 2019, 13, 226.	0.5	18
158	Integrated safety and economic factors in a sand mine industry: a multivariate algorithm. International Journal of Computer Applications in Technology, 2019, 60, 351.	0.5	13
159	Adaptive neuro-fuzzy inference system based maximum power point tracking for stand-alone photovoltaic system. International Journal of Modelling, Identification and Control, 2019, 33, 311.	0.2	25
160	Robust observer-based synchronisation of chaotic oscillators with structural perturbations and input nonlinearity. International Journal of Automation and Control, 2019, 13, 387.	0.5	27
161	A memristor-based system with hidden hyperchaotic attractors, its circuit design, synchronisation via integral sliding mode control and an application to voice encryption. International Journal of Automation and Control, 2019, 13, 644.	0.5	43
162	Metaheuristic Optimization of Fractional Order Incremental Conductance (FO-INC) Maximum Power Point Tracking (MPPT). Complexity, 2019, 2019, 1-13.	1.6	64

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163	Neuro-Fuzzy System for 3-DOF Parallel Robot Manipulator. , 2019, , .		12
164	A New Control Scheme for Hybrid Chaos Synchronization. Advances in Intelligent Systems and Computing, 2019, , 108-116.	0.6	8
165	Comparative Study of Two Level and Three Level PWM-Rectifier with Voltage Oriented Control. Advances in Intelligent Systems and Computing, 2019, , 40-51.	0.6	6
166	Fractional Order Two Degree of Freedom PID Controller for a Robotic Manipulator with a Fuzzy Type-2 Compensator. Advances in Intelligent Systems and Computing, 2019, , 77-88.	0.6	15
167	Self-balancing Robot Modeling and Control Using Two Degree of Freedom PID Controller. Advances in Intelligent Systems and Computing, 2019, , 64-76.	0.6	16
168	Two-Degree of Freedom Proportional Integral Derivative (2-DOF PID) Controller for Robotic Infusion Stand. Advances in Intelligent Systems and Computing, 2019, , 13-25.	0.6	8
169	New Control Schemes for Fractional Chaos Synchronization. Advances in Intelligent Systems and Computing, 2019, , 52-63.	0.6	15
170	Nonlinear single-input single-output model-based estimation of cardiac output for normal and depressed cases. Neural Computing and Applications, 2019, 31, 2955-2978.	5.6	12
171	Rough set theory with Jaya optimization for acute lymphoblastic leukemia classification. Neural Computing and Applications, 2019, 31, 5175-5194.	5.6	56
172	Feature selection via a novel chaotic crow search algorithm. Neural Computing and Applications, 2019, 31, 171-188.	5.6	330
173	Weighted Rough Set Theory for Fetal Heart Rate Classification. International Journal of Sociotechnology and Knowledge Development, 2019, 11, 1-19.	1.0	19
174	A Novel Actuator Fault-tolerant Control Strategy of DFIG-based Wind Turbines Using Takagi-Sugeno Multiple Models. International Journal of Control, Automation and Systems, 2018, 16, 1415-1424.	2.7	54
175	Fractional Order Sliding Mode PID Controller/Observer for Continuous Nonlinear Switched Systems with PSO Parameter Tuning. Advances in Intelligent Systems and Computing, 2018, , 13-22.	0.6	19
176	Multi-switching Masterâ€"Slave Synchronization of Non-identical Chaotic Systems. Lecture Notes in Electrical Engineering, 2018, , 321-330.	0.4	10
177	Hybrid rough-bijective soft set classification system. Neural Computing and Applications, 2018, 29, 67-78.	5.6	28
178	Effective supervisory controller to extend optimal energy management in hybrid wind turbine under energy and reliability constraints. International Journal of Dynamics and Control, 2018, 6, 369-383.	2.5	69
179	Noise-estimation-based anisotropic diffusion approach for retinal blood vessel segmentation. Neural Computing and Applications, 2018, 29, 159-180.	5.6	17
180	Modeling and analysis of fractional order DC-DC converter. ISA Transactions, 2018, 82, 184-199.	5.7	67

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181	Control of a Two Link Planar Electrically-Driven Rigid Robotic Manipulator Using Fractional Order SOFC. Advances in Intelligent Systems and Computing, 2018, , 57-68.	0.6	31
182	Control of New Type of Fractional Chaos Synchronization. Advances in Intelligent Systems and Computing, 2018, , 47-56.	0.6	28
183	Log Transform Based Optimal Image Enhancement Using Firefly Algorithm for Autonomous Mini Unmanned Aerial Vehicle: An Application of Aerial Photography. International Journal of Image and Graphics, 2018, 18, 1850019.	1.5	42
184	Higher Order Sliding Mode Control for Blood Glucose Regulation of Type 1 Diabetic Patients. International Journal of System Dynamics Applications, 2018, 7, 65-84.	0.3	14
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