

# Ahmad Taher Azar

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Feature selection via a novel chaotic crow search algorithm. <i>Neural Computing and Applications</i> , 2019, 31, 171-188.	5.6	330
2	Supervised hybrid feature selection based on PSO and rough sets for medical diagnosis. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 175-185.	4.7	256
3	Performance analysis of support vector machines classifiers in breast cancer mammography recognition. <i>Neural Computing and Applications</i> , 2014, 24, 1163-1177.	5.6	182
4	FPGA implementation of two fractional order chaotic systems. <i>AEU - International Journal of Electronics and Communications</i> , 2017, 78, 162-172.	2.9	155
5	Overview of Type-2 Fuzzy Logic Systems. <i>International Journal of Fuzzy System Applications</i> , 2012, 2, 1-28.	0.7	152
6	Decision tree classifiers for automated medical diagnosis. <i>Neural Computing and Applications</i> , 2013, 23, 2387-2403.	5.6	148
7	A random forest classifier for lymph diseases. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 465-473.	4.7	147
8	Dimensionality reduction of medical big data using neural-fuzzy classifier. <i>Soft Computing</i> , 2015, 19, 1115-1127.	3.6	147
9	Advances and Applications in Sliding Mode Control systems. <i>Studies in Computational Intelligence</i> , 2015, , .	0.9	147
10	Global chaos synchronisation of identical chaotic systems via novel sliding mode control method and its application to Zhu system. <i>International Journal of Modelling, Identification and Control</i> , 2015, 23, 92.	0.2	141
11	Chaos Modeling and Control Systems Design. <i>Studies in Computational Intelligence</i> , 2015, , .	0.9	136
12	A second-order sliding mode and fuzzy logic control to optimal energy management in wind turbine with battery storage. <i>Neural Computing and Applications</i> , 2017, 28, 1417-1434.	5.6	135
13	System dynamics as a useful technique for complex systems. <i>International Journal of Industrial and Systems Engineering</i> , 2012, 10, 377.	0.2	125
14	Drone Deep Reinforcement Learning: A Review. <i>Electronics (Switzerland)</i> , 2021, 10, 999.	3.1	120
15	Computational Intelligence Applications in Modeling and Control. <i>Studies in Computational Intelligence</i> , 2015, , .	0.9	119
16	Adaptive k-means clustering algorithm for MR breast image segmentation. <i>Neural Computing and Applications</i> , 2014, 24, 1917-1928.	5.6	117
17	Grid-Based Mobile Robot Path Planning Using Aging-Based Ant Colony Optimization Algorithm in Static and Dynamic Environments. <i>Sensors</i> , 2020, 20, 1880.	3.8	117
18	Design and SPICE implementation of a 12-term novel hyperchaotic system and its synchronisation via active control. <i>International Journal of Modelling, Identification and Control</i> , 2015, 23, 267.	0.2	112

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19	Robust IMC–PID tuning for cascade control systems with gain and phase margin specifications. <i>Neural Computing and Applications</i> , 2014, 25, 983-995.	5.6	109
20	New binary whale optimization algorithm for discrete optimization problems. <i>Engineering Optimization</i> , 2020, 52, 945-959.	2.6	106
21	Probabilistic neural network for breast cancer classification. <i>Neural Computing and Applications</i> , 2013, 23, 1737-1751.	5.6	104
22	A novel hybrid feature selection method based on rough set and improved harmony search. <i>Neural Computing and Applications</i> , 2015, 26, 1859-1880.	5.6	103
23	Backstepping Controller Design for the Global Chaos Synchronization of Sprott’s Jerk Systems. <i>Studies in Computational Intelligence</i> , 2015, , 39-58.	0.9	101
24	Takagi-Sugeno fuzzy logic controller for Liu-Chen four-scroll chaotic system. <i>International Journal of Intelligent Engineering Informatics</i> , 2016, 4, 135.	0.1	99
25	A robust method for new fractional hybrid chaos synchronization. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 1804-1812.	2.3	95
26	Analysis and Control of a 4-D Novel Hyperchaotic System. <i>Studies in Computational Intelligence</i> , 2015, , 3-17.	0.9	89
27	MRI breast cancer diagnosis hybrid approach using adaptive ant-based segmentation and multilayer perceptron neural networks classifier. <i>Applied Soft Computing Journal</i> , 2014, 14, 62-71.	7.2	88
28	Complex System Modelling and Control Through Intelligent Soft Computations. <i>Studies in Fuzziness and Soft Computing</i> , 2015, , .	0.8	88
29	MPPT control in wind energy conversion systems and the application of fractional control (PI&SUP) Tj ETQq1 1 0.784314 rgBT /Over and Control, 2016, 26, 140.	0.2	87
30	Adaptive Neuro-Fuzzy Systems. , 0, , .		85
31	Hybrid Synchronization of Identical Chaotic Systems Using Sliding Mode Control and an Application to Vaidyanathan Chaotic Systems. <i>Studies in Computational Intelligence</i> , 2015, , 549-569.	0.9	85
32	Anti-synchronization of Identical Chaotic Systems Using Sliding Mode Control and an Application to Vaidyanathan’s Madhavan Chaotic Systems. <i>Studies in Computational Intelligence</i> , 2015, , 527-547.	0.9	83
33	New hybrid synchronisation schemes based on coexistence of various types of synchronisation between master-slave hyperchaotic systems. <i>International Journal of Computer Applications in Technology</i> , 2017, 55, 112.	0.5	81
34	Fast neural network learning algorithms for medical applications. <i>Neural Computing and Applications</i> , 2013, 23, 1019-1034.	5.6	78
35	Four-wing attractors in a novel chaotic system with hyperbolic sine nonlinearity. <i>Optik</i> , 2017, 131, 1071-1078.	2.9	78
36	A new type of hybrid synchronization between arbitrary hyperchaotic maps. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 1887-1894.	3.6	78

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37	Image Segmentation Using Rough Set Theory. <i>International Journal of Rough Sets and Data Analysis</i> , 2014, 1, 62-74.	1.0	77
38	A Novel Chaotic System without Equilibrium: Dynamics, Synchronization, and Circuit Realization. <i>Complexity</i> , 2017, 2017, 1-11.	1.6	77
39	Robotics and Intelligent Systems Against a Pandemic. <i>Acta Polytechnica Hungarica</i> , 2021, 18, 13-35.	2.9	72
40	Fuzzy and hard clustering analysis for thyroid disease. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 111, 1-16.	4.7	70
41	A Novel Design of a Neural Network-Based Fractional PID Controller for Mobile Robots Using Hybridized Fruit Fly and Particle Swarm Optimization. <i>Complexity</i> , 2020, 2020, 1-18.	1.6	70
42	Effective supervisory controller to extend optimal energy management in hybrid wind turbine under energy and reliability constraints. <i>International Journal of Dynamics and Control</i> , 2018, 6, 369-383.	2.5	69
43	Analysis, Control and Synchronization of a Nine-Term 3-D Novel Chaotic System. <i>Studies in Computational Intelligence</i> , 2015, , 19-38.	0.9	68
44	Modeling and analysis of fractional order DC-DC converter. <i>ISA Transactions</i> , 2018, 82, 184-199.	5.7	67
45	Metaheuristic Optimization of Fractional Order Incremental Conductance (FO-INC) Maximum Power Point Tracking (MPPT). <i>Complexity</i> , 2019, 2019, 1-13.	1.6	64
46	Rough set theory with Jaya optimization for acute lymphoblastic leukemia classification. <i>Neural Computing and Applications</i> , 2019, 31, 5175-5194.	5.6	56
47	Fuzzy Adaptive Synchronization of Uncertain Fractional-Order Chaotic Systems. <i>Studies in Fuzziness and Soft Computing</i> , 2016, , 681-697.	0.8	55
48	Sliding mode control technique for multi-switching synchronization of chaotic systems. , 2017, , .		54
49	A Novel Actuator Fault-tolerant Control Strategy of DFIG-based Wind Turbines Using Takagi-Sugeno Multiple Models. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 1415-1424.	2.7	54
50	Sliding Modes for Fault Tolerant Control. <i>Studies in Computational Intelligence</i> , 2015, , 407-433.	0.9	52
51	Autonomous navigation and obstacle avoidance of an omnidirectional mobile robot using swarm optimization and sensors deployment. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142092949.	2.1	52
52	Design and Modeling of Anti Wind Up PID Controllers. <i>Studies in Fuzziness and Soft Computing</i> , 2015, , 1-44.	0.8	51
53	Feature selection using swarm-based relative reduct technique for fetal heart rate. <i>Neural Computing and Applications</i> , 2014, 25, 793-806.	5.6	50
54	Hybrid Tolerance Rough Set. <i>International Journal of Fuzzy System Applications</i> , 2013, 3, 15-30.	0.7	49

#	ARTICLE	IF	CITATIONS
55	Adaptive Sliding Mode Control of the Furuta Pendulum. <i>Studies in Computational Intelligence</i> , 2015, , 1-42.	0.9	48
56	TLBO Algorithm Optimized Fractional-Order PID Controller for AGC of Interconnected Power System. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 847-855.	0.6	48
57	On Inverse Full State Hybrid Function Projective Synchronization For Continuous-time Chaotic Dynamical Systems with Arbitrary Dimensions. <i>Differential Equations and Dynamical Systems</i> , 2020, 28, 1045-1058.	1.0	47
58	Genetic Optimization-Based Consensus Control of Multi-Agent 6-DoF UAV System. <i>Sensors</i> , 2020, 20, 3576.	3.8	47
59	Impact of Flexible AC Transmission System Devices on Automatic Generation Control with a Metaheuristic Based Fuzzy PID Controller. <i>Energies</i> , 2019, 12, 4193.	3.1	45
60	A New Adaptive Synergetic Control Design for Single Link Robot Arm Actuated by Pneumatic Muscles. <i>Entropy</i> , 2020, 22, 723.	2.2	44
61	Association between Dialysis Dose Improvement and Nutritional Status among Hemodialysis Patients. <i>American Journal of Nephrology</i> , 2007, 27, 113-119.	3.1	43
62	On a simple approach for Q-S synchronisation of chaotic dynamical systems in continuous-time. <i>International Journal of Computing Science and Mathematics</i> , 2017, 8, 20.	0.3	43
63	A memristor-based system with hidden hyperchaotic attractors, its circuit design, synchronisation via integral sliding mode control and an application to voice encryption. <i>International Journal of Automation and Control</i> , 2019, 13, 644.	0.5	43
64	Leukemia Image Segmentation Using a Hybrid Histogram-Based Soft Covering Rough K-Means Clustering Algorithm. <i>Electronics (Switzerland)</i> , 2020, 9, 188.	3.1	43
65	Log Transform Based Optimal Image Enhancement Using Firefly Algorithm for Autonomous Mini Unmanned Aerial Vehicle: An Application of Aerial Photography. <i>International Journal of Image and Graphics</i> , 2018, 18, 1850019.	1.5	42
66	A new hyperchaotic temperature fluctuations model, its circuit simulation, FPGA implementation and an application to image encryption. <i>International Journal of Simulation and Process Modelling</i> , 2018, 13, 281.	0.2	42
67	A fractional map with hidden attractors: chaos and control. <i>European Physical Journal: Special Topics</i> , 2020, 229, 1083-1093.	2.6	42
68	Expert System Based on Neural-Fuzzy Rules for Thyroid Diseases Diagnosis. <i>Communications in Computer and Information Science</i> , 2012, , 94-105.	0.5	42
69	On inverse problem of generalized synchronization between different dimensional integer-order and fractional-order chaotic systems. , 2016, , .		41
70	Retinal vessel segmentation based on possibilistic fuzzy c-means clustering optimised with cuckoo search. , 2014, , .		40
71	Optimized Fractional Order Integral-Tilt Derivative Controller for Frequency Regulation of Interconnected Diverse Renewable Energy Resources. <i>IEEE Access</i> , 2022, 10, 43514-43527.	4.2	40
72	Generalized Projective Synchronization of a Novel Hyperchaotic Four-Wing System via Adaptive Control Method. <i>Studies in Fuzziness and Soft Computing</i> , 2016, , 275-296.	0.8	39

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73	Adaptive Control and Synchronization of Halvorsen Circulant Chaotic Systems. Studies in Fuzziness and Soft Computing, 2016, , 225-247.	0.8	37
74	Robust Adaptive Supervisory Fractional Order Controller for Optimal Energy Management in Wind Turbine with Battery Storage. Studies in Computational Intelligence, 2017, , 165-202.	0.9	37
75	Fuzzy firefly clustering for tumour and cancer analysis. International Journal of Modelling, Identification and Control, 2017, 27, 92.	0.2	37
76	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
77	Computational analysis of blood flow in the retinal arteries and veins using fundus image. Computers and Mathematics With Applications, 2015, 69, 101-116.	2.7	35
78	Improved dominance rough set-based classification system. Neural Computing and Applications, 2017, 28, 2231-2246.	5.6	35
79	Dynamic Analysis, Adaptive Feedback Control and Synchronization of An Eight-Term 3-D Novel Chaotic System with Three Quadratic Nonlinearities. Studies in Fuzziness and Soft Computing, 2016, , 155-178.	0.8	34
80	Fractional controllable multi-scroll V-shape attractor with parameters effect. , 2017, , .		34
81	Neuro-fuzzy feature selection approach based on linguistic hedges for medical diagnosis. International Journal of Modelling, Identification and Control, 2014, 22, 195.	0.2	33
82	Adaptive noise-reducing anisotropic diffusion filter. Neural Computing and Applications, 2016, 27, 1273-1300.	5.6	33
83	Chaos synchronisation of continuous systems via scalar signal. , 2017, , .		33
84	Robust Path Tracking of Mobile Robot Using Fractional Order PID Controller. Advances in Intelligent Systems and Computing, 2020, , 370-381.	0.6	33
85	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
86	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
87	Automatic Generation Control of Multi-Source Interconnected Power System Using FOI-TD Controller. Energies, 2021, 14, 5867.	3.1	33
88	A New Heuristic Function of Ant Colony System for Retinal Vessel Segmentation. International Journal of Rough Sets and Data Analysis, 2014, 1, 15-30.	1.0	32
89	A Novel 4-D Four-Wing Chaotic System with Four Quadratic Nonlinearities and Its Synchronization via Adaptive Control Method. Studies in Fuzziness and Soft Computing, 2016, , 203-224.	0.8	32
90	Disturbance-Rejection-Based Optimized Robust Adaptive Controllers for UAVs. IEEE Systems Journal, 2021, 15, 3097-3108.	4.6	32

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91	Retinal blood vessel segmentation using bee colony optimisation and pattern search. , 2014, , .		31
92	Advanced Machine Learning Technologies and Applications. Communications in Computer and Information Science, 2014, , .	0.5	31
93	Adaptive Backstepping Control and Synchronization of a Novel 3-D Jerk System with an Exponential Nonlinearity. Studies in Fuzziness and Soft Computing, 2016, , 249-274.	0.8	31
94	Qualitative Study and Adaptive Control of a Novel 4-D Hyperchaotic System with Three Quadratic Nonlinearities. Studies in Fuzziness and Soft Computing, 2016, , 179-202.	0.8	31
95	A new fractional hybrid chaos synchronisation. International Journal of Modelling, Identification and Control, 2017, 27, 314.	0.2	31
96	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
97	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
98	Towards Interoperable Blockchains: A Survey on the Role of Smart Contracts in Blockchain Interoperability. IEEE Access, 2021, 9, 116672-116691.	4.2	31
99	Towards Electric Price and Load Forecasting Using CNN-Based Ensembler in Smart Grid. Sustainability, 2021, 13, 12653.	3.2	31
100	Hybrid System based on Rough Sets and Genetic Algorithms for Medical Data Classifications. International Journal of Fuzzy System Applications, 2013, 3, 31-46.	0.7	30
101	Covering-based rough set classification system. Neural Computing and Applications, 2017, 28, 2879-2888.	5.6	30
102	A novel 4-D hyperchaotic system with two quadratic nonlinearities and its adaptive synchronisation. International Journal of Automation and Control, 2018, 12, 5.	0.5	30
103	Design and Implementation of Fuzzy PID Controller into Multi Agent Smart Library System Prototype. Advances in Intelligent Systems and Computing, 2018, , 127-137.	0.6	30
104	Stabilization and Control of Mechanical Systems with Backlash. Advances in Computational Intelligence and Robotics Book Series, 2015, , 1-60.	0.4	30
105	Superior neuro-fuzzy classification systems. Neural Computing and Applications, 2013, 23, 55-72.	5.6	29
106	Classification of EEG-Based Brain-Computer Interfaces. Studies in Computational Intelligence, 2014, , 97-106.	0.9	29
107	Dead-beat synchronization control in discrete-time chaotic systems. , 2017, , .		28
108	Hybrid rough-bijective soft set classification system. Neural Computing and Applications, 2018, 29, 67-78.	5.6	28

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109	Control of New Type of Fractional Chaos Synchronization. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 47-56.	0.6	28
110	Fractional Order Unknown Inputs Fuzzy Observer for Takagi-Sugeno Systems with Unmeasurable Premise Variables. <i>Mathematics</i> , 2019, 7, 984.	2.2	28
111	Stability analysis and robust synchronisation of fractional-order modified Colpitts oscillators. <i>International Journal of Automation and Control</i> , 2020, 14, 52.	0.5	28
112	Novel Active Disturbance Rejection Control Based on Nested Linear Extended State Observers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4069.	2.5	28
113	Stabilization of Mechanical Systems with Backlash by PI Loop Shaping. <i>International Journal of System Dynamics Applications</i> , 2016, 5, 21-46.	0.3	27
114	Design of Fractional Order Fuzzy Sliding Mode Controller for Nonlinear Complex Systems. , 2018, , 249-282.		27
115	Robust observer-based synchronisation of chaotic oscillators with structural perturbations and input nonlinearity. <i>International Journal of Automation and Control</i> , 2019, 13, 387.	0.5	27
116	Hybrid and Deep Learning Approach for Early Diagnosis of Lower Gastrointestinal Diseases. <i>Sensors</i> , 2022, 22, 4079.	3.8	27
117	A Hybrid Approach to Diagnosis of Hepatic Tumors in Computed Tomography Images. <i>International Journal of Rough Sets and Data Analysis</i> , 2014, 1, 31-48.	1.0	26
118	Stabilization of Port Hamiltonian Chaotic Systems with Hidden Attractors by Adaptive Terminal Sliding Mode Control. <i>Entropy</i> , 2020, 22, 122.	2.2	26
119	Improved Active Disturbance Rejection-Based Decentralized Control for MIMO Nonlinear Systems: Comparison with The Decoupled Control Scheme. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2515.	2.5	26
120	Rough Set Based Ad Hoc Network. <i>International Journal of Service Science, Management, Engineering, and Technology</i> , 2014, 5, 66-76.	1.1	25
121	Fuzzy Control-Based Function Synchronization of Unknown Chaotic Systems with Dead-Zone Input. <i>Studies in Fuzziness and Soft Computing</i> , 2016, , 699-718.	0.8	25
122	Adaptive neuro-fuzzy inference system based maximum power point tracking for stand-alone photovoltaic system. <i>International Journal of Modelling, Identification and Control</i> , 2019, 33, 311.	0.2	25
123	Ensemble classifiers for biomedical data: Performance evaluation. , 2013, , .		24
124	Rough set-based meta-heuristic clustering approach for social e-learning systems. <i>International Journal of Intelligent Engineering Informatics</i> , 2015, 3, 23.	0.1	24
125	Hybrid Bijective soft set - Neural network for ECG arrhythmia classification. <i>International Journal of Hybrid Intelligent Systems</i> , 2015, 12, 103-118.	1.2	24
126	Robust Control for Asynchronous Switched Nonlinear Systems with Time Varying Delays. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 891-899.	0.6	24



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127	Fractional Inverse Generalized Chaos Synchronization Between Different Dimensional Systems. Studies in Computational Intelligence, 2017, , 525-551.	0.9	24
128	Hybrid system for lymphatic diseases diagnosis. , 2013, , .		23
129	Generalized Synchronization of Different Dimensional Integer-Order and Fractional Order Chaotic Systems. Studies in Computational Intelligence, 2017, , 671-697.	0.9	23
130	New Discrete Time 2D Chaotic Maps. International Journal of System Dynamics Applications, 2017, 6, 77-104.	0.3	23
131	Combination-Combination Anti-Synchronization of Four Fractional Order Identical Hyperchaotic Systems. Advances in Intelligent Systems and Computing, 2020, , 406-414.	0.6	23
132	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
133	Implementation of PID Controller with PSO Tuning for Autonomous Vehicle. Advances in Intelligent Systems and Computing, 2020, , 288-299.	0.6	23
134	Experimental Kinematic Modeling of 6-DOF Serial Manipulator Using Hybrid Deep Learning. Advances in Intelligent Systems and Computing, 2020, , 283-295.	0.6	23
135	A Hybrid Deep Learning Based Autonomous Vehicle Navigation and Obstacles Avoidance. Advances in Intelligent Systems and Computing, 2020, , 296-307.	0.6	23
136	Continuous Features Discretization for Anomaly Intrusion Detectors Generation. Advances in Intelligent Systems and Computing, 2014, , 209-221.	0.6	23
137	Machine Learning Techniques for Anomalies Detection and Classification. Communications in Computer and Information Science, 2013, , 219-229.	0.5	23
138	Identification of Heart Valve Disease using Bijective Soft Sets Theory. International Journal of Rough Sets and Data Analysis, 2014, 1, 1-14.	1.0	22
139	Impact of retinal vascular tortuosity on retinal circulation. Neural Computing and Applications, 2015, 26, 25-40.	5.6	22
140	Adaptive neural-fuzzy and backstepping controller for port-Hamiltonian systems. International Journal of Computer Applications in Technology, 2020, 62, 1.	0.5	22
141	Linguistic Hedges Fuzzy Feature Selection for Differential Diagnosis of Erythematous-Squamous Diseases. Advances in Intelligent Systems and Computing, 2013, , 487-500.	0.6	21
142	Automatic Extraction of Blood Vessels in the Retinal Vascular Tree Using Multiscale Medialness. International Journal of Biomedical Imaging, 2015, 2015, 1-16.	3.9	21
143	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
144	PSO-Based Adaptive Perturb and Observe MPPT Technique for Photovoltaic Systems. Advances in Intelligent Systems and Computing, 2020, , 125-135.	0.6	21

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145	Tuning of PID Controller Using Particle Swarm Optimization for Cross Flow Heat Exchanger Based on CFD System Identification. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 300-312.	0.6	21
146	A Fuzzy Approach of Sensitivity for Multiple Colonies on Ant Colony Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 87-95.	0.6	21
147	Hybrid TRS-PSO Clustering Approach for Web2.0 Social Tagging System. <i>International Journal of Rough Sets and Data Analysis</i> , 2015, 2, 22-37.	1.0	21
148	Unmanned aerial system for post disaster identification. , 2014, , .		20
149	A New Method to Synchronize Fractional Chaotic Systems with Different Dimensions. <i>Studies in Computational Intelligence</i> , 2017, , 581-611.	0.9	20
150	Hyperchaos and Adaptive Control of a Novel Hyperchaotic System with Two Quadratic Nonlinearities. <i>Studies in Computational Intelligence</i> , 2017, , 773-803.	0.9	20
151	Fractional-Order and Memristive Nonlinear Systems: Advances and Applications. <i>Complexity</i> , 2017, 2017, 1-2.	1.6	20
152	Multistability Analysis and Function Projective Synchronization in Relay Coupled Oscillators. <i>Complexity</i> , 2018, 2018, 1-12.	1.6	20
153	Agricultural Service Mobile Robot Modeling and Control Using Artificial Fuzzy Logic and Machine Vision. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 453-465.	0.6	20
154	Neural Computing Enhanced Parameter Estimation for Multi-Input and Multi-Output Total Non-Linear Dynamic Models. <i>Entropy</i> , 2020, 22, 510.	2.2	20
155	Control-Based Maximum Power Point Tracking for a Grid-Connected Hybrid Renewable Energy System Optimized by Particle Swarm Optimization. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2018, , 58-89.	0.5	20
156	Automatic liver parenchyma segmentation system from abdominal CT scans using hybrid techniques. <i>International Journal of Biomedical Engineering and Technology</i> , 2015, 17, 148.	0.2	19
157	A Three-Dimensional No-Equilibrium Chaotic System: Analysis, Synchronization and Its Fractional Order Form. <i>Studies in Computational Intelligence</i> , 2017, , 449-470.	0.9	19
158	On New Fractional Inverse Matrix Projective Synchronization Schemes. <i>Studies in Computational Intelligence</i> , 2017, , 497-524.	0.9	19
159	FPGA realization of Caputo and Gr $\frac{1}{4}$ nwald-Letnikov operators. , 2017, , .		19
160	Fractional Order Sliding Mode PID Controller/Observer for Continuous Nonlinear Switched Systems with PSO Parameter Tuning. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 13-22.	0.6	19
161	Robust Model Reference Adaptive Control for Tail-Sitter VTOL Aircraft. <i>Actuators</i> , 2021, 10, 162.	2.3	19
162	Classifying Upper Limb Activities Using Deep Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 268-282.	0.6	19

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163	Deep Learning Based Kinematic Modeling of 3-RRR Parallel Manipulator. Advances in Intelligent Systems and Computing, 2020, , 308-321.	0.6	19
164	Machine Learning with Blockchain for Secure E-voting System. , 2020, , .		19
165	Weighted Rough Set Theory for Fetal Heart Rate Classification. International Journal of Sociotechnology and Knowledge Development, 2019, 11, 1-19.	1.0	19
166	Neuro-fuzzy system for cardiac signals classification. International Journal of Modelling, Identification and Control, 2011, 13, 108.	0.2	18
167	Fusion of multi-spectral and panchromatic satellite images using principal component analysis and fuzzy logic. , 2014, , .		18
168	A Comparative Study on Feature Selection for Retinal Vessel Segmentation Using Ant Colony System. Advances in Intelligent Systems and Computing, 2014, , 1-11.	0.6	18
169	Fundus image denoising using FPGA hardware architecture. International Journal of Computer Applications in Technology, 2016, 54, 1.	0.5	18
170	Control of continuous-time chaotic (hyperchaotic) systems: &lt;i>F&lt;/i>-&lt;i>M&lt;/i> synchronisation. International Journal of Automation and Control, 2019, 13, 226.	0.5	18
171	Rough Set Based Feature Selection for Egyptian Neonatal Jaundice. Communications in Computer and Information Science, 2014, , 367-378.	0.5	18
172	Performance Evaluation of Different Cost Functions in Motion Vector Estimation. International Journal of Service Science, Management, Engineering, and Technology, 2014, 5, 45-65.	1.1	18
173	Speckles Suppression Techniques for Ultrasound Images. Journal of Medical Imaging and Radiation Sciences, 2012, 43, 200-213.	0.3	17
174	Ant Colony-based System for Retinal Blood Vessels Segmentation. Advances in Intelligent Systems and Computing, 2013, , 441-452.	0.6	17
175	Noise-estimation-based anisotropic diffusion approach for retinal blood vessel segmentation. Neural Computing and Applications, 2018, 29, 159-180.	5.6	17
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