

Zhenhua Yu

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

873
citations

586496

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57
all docs

57
docs citations

57
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Variants and Transfer Learning for the Emerging Stringency Indices. <i>Neural Processing Letters</i> , 2023, 55, 2359-2368.	2.0	10
2	Observability Metrics for Single-Target Tracking With Bearings-Only Measurements. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 1065-1077.	5.9	8
3	ANNPDP: An Efficient and Stable Evaluation Engine for Large-Scale Policy Sets. <i>IEEE Transactions on Services Computing</i> , 2022, 15, 1926-1939.	3.2	1
4	Improved Particle Swarm Optimization-Based BP Neural Networks for Aero-Optical Imaging Deviation Prediction. <i>IEEE Access</i> , 2022, 10, 26769-26777.	2.6	9
5	An improved pix2pix model based on Gabor filter for robust color image rendering. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 86-101.	1.0	15
6	Piecewise differentiation of the fractional order CAR-T cells-SARS-2 virus model. <i>Results in Physics</i> , 2022, 33, 105046.	2.0	26
7	The impact of vaccination on the spread of COVID-19: Studying by a mathematical model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 590, 126717.	1.2	25
8	A spread model of COVID-19 with some strict anti-epidemic measures. <i>Nonlinear Dynamics</i> , 2022, 109, 265-284.	2.7	2
9	SEI<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e336" altimg="si19.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:math>RS malware propagation model considering two infection rates in cyberâphysical systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 597, 127207.	1.2	31
10	An efficient density peak cluster algorithm for improving policy evaluation performance. <i>Scientific Reports</i> , 2022, 12, 5000.	1.6	2
11	Malicious software spread modeling and control in cyberâphysical systems. <i>Knowledge-Based Systems</i> , 2022, 248, 108913.	4.0	2
12	A Novel Hybrid Particle Swarm Optimization Algorithm for Path Planning of UAVs. <i>IEEE Internet of Things Journal</i> , 2022, 9, 22547-22558.	5.5	60
13	CGFuzzer: A Fuzzing Approach Based on Coverage-Guided Generative Adversarial Networks for Industrial IoT Protocols. <i>IEEE Internet of Things Journal</i> , 2022, 9, 21607-21619.	5.5	8
14	A security-aware service function chain deployment method for load balance and delay optimization. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
15	A novel index of functional connectivity: phase lag based on Wilcoxon signed rank test. <i>Cognitive Neurodynamics</i> , 2021, 15, 621-636.	2.3	9
16	An efficient policy evaluation engine for XACML policy management. <i>Information Sciences</i> , 2021, 547, 1105-1121.	4.0	3
17	Output feedback MPC for uncertain delayed system and control of a wind tunnel system. <i>Information Sciences</i> , 2021, 556, 273-287.	4.0	4
18	An efficient policy evaluation engine with locomotive algorithm. <i>Cluster Computing</i> , 2021, 24, 1505-1524.	3.5	2

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19	Modeling and simulations of CoViD-19 molecular mechanism induced by cytokines storm during SARS-CoV2 infection. Journal of Molecular Liquids, 2021, 327, 114863.	2.3	50
20	RetinexGAN:Unsupervised Low-Light Enhancement With Two-Layer Convolutional Decomposition Networks. IEEE Access, 2021, 9, 56539-56550.	2.6	15
21	Group consensus via pinning control for a class of heterogeneous multi-agent systems with input constraints. Information Sciences, 2021, 542, 247-262.	4.0	83
22	Forecasting the impact of environmental stresses on the frequent waves of COVID19. Nonlinear Dynamics, 2021, 106, 1509-1523.	2.7	26
23	Development of Granular Fuzzy Relation Equations Based on a Subset of Data. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1416-1427.	8.5	4
24	Self organizing maps for the parametric analysis of COVID-19 SEIRS delayed model. Chaos, Solitons and Fractals, 2021, 150, 111202.	2.5	40
25	Modeling and analysis of rumor propagation in social networks. Information Sciences, 2021, 580, 857-873.	4.0	50
26	A fine-grained and dynamic scaling method for service function chains. Knowledge-Based Systems, 2021, 228, 107289.	4.0	6
27	Reliability-Aware Service Function Chain Backup Protection Method. IEEE Access, 2021, 9, 14660-14676.	2.6	11
28	Improvement on PDP Evaluation Performance Based on Neural Networks and SGDK-means Algorithm. Soft Computing, 2021, , 1-15.	2.1	1
29	Stability analysis method and application of multi-agent systems from the perspective of hybrid systems. Measurement and Control, 2021, 54, 1347-1355.	0.9	2
30	Clustering and supervised response for XACML policy evaluation and management. Knowledge-Based Systems, 2020, 205, 106312.	4.0	0
31	On Multi-Step Look-Ahead Deadlock Prediction for Automated Manufacturing Systems Based on Petri Nets. IEEE Access, 2020, 8, 170421-170432.	2.6	4
32	Fault-Recovery and Repair Modeling of Discrete Event Systems Using Petri Nets. IEEE Access, 2020, 8, 170237-170247.	2.6	8
33	Homomorphic Encryption of Supervisory Control Systems Using Automata. IEEE Access, 2020, 8, 147185-147198.	2.6	35
34	An Efficient Snapshot Strategy for Dynamic Graph Storage Systems to Support Historical Queries. IEEE Access, 2020, 8, 90838-90846.	2.6	6
35	Abnormal Event Detection via Feature Expectation Subgraph Calibrating Classification in Video Surveillance Scenes. IEEE Access, 2020, 8, 97564-97575.	2.6	10
36	Weighted Brain Network Metrics for Decoding Action Intention Understanding Based on EEG. Frontiers in Human Neuroscience, 2020, 14, 232.	1.0	9

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37	On Multiplexity-Aware Influence Spread in Social Networks. IEEE Access, 2020, 8, 106705-106713.	2.6	36
38	A Service Function Chain Deployment Method Based on Network Flow Theory for Load Balance in Operator Networks. IEEE Access, 2020, 8, 93187-93199.	2.6	6
39	A Pareto-based genetic algorithm for multi-objective scheduling of automated manufacturing systems. Advances in Mechanical Engineering, 2020, 12, 168781401988529.	0.8	49
40	EEG-based Classification of Lower Limb Motor Imagery with Brain Network Analysis. Neuroscience, 2020, 436, 93-109.	1.1	44
41	Delayed Modeling Approach to Forecast the Periodic Behavior of SARS-2. Frontiers in Molecular Biosciences, 2020, 7, 585245.	1.6	14
42	Adaptive neural network disturbance observer based nonsingular fast terminal sliding mode control for a constrained flexible air-breathing hypersonic vehicle. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 2642-2662.	0.7	4
43	Cognitive Virtual Network Topology Reconfiguration Method Based on Traffic Prediction and Link Importance. IEEE Access, 2019, 7, 138915-138926.	2.6	1
44	Adaptive Estimation and Cooperative Guidance for Active Aircraft Defense in Stochastic Scenario. Sensors, 2019, 19, 979.	2.1	5
45	Three-Dimensional Fast Fixed-time Convergence Guidance Law With Impact Angle Constraint. IEEE Access, 2019, 7, 180467-180481.	2.6	10
46	Formal modeling and control of cyber-physical manufacturing systems. Advances in Mechanical Engineering, 2017, 9, 168781401772547.	0.8	37
47	Trustworthiness Modeling and Analysis of Cyber-physical Manufacturing Systems. IEEE Access, 2017, 5, 26076-26085.	2.6	30
48	Object-oriented Petri nets and π -calculus-based modeling and analysis of reconfigurable manufacturing systems. Advances in Mechanical Engineering, 2016, 8, 168781401667769.	0.8	7
49	Offset-Free Output Feedback Robust Model Predictive Control for a Generic Hypersonic Vehicle. Journal of Aerospace Engineering, 2015, 28, 04014147.	0.8	5
50	Object-Oriented Petri Nets Based Formal Modeling for High-Confidence Cyber-Physical Systems. , 2012, , .		1
51	On Wireless Sensor Networks Formal Modeling Based on Petri Nets. , 2011, , .		6
52	A Reliable Energy-Efficient Multi-Level Routing Algorithm for Wireless Sensor Networks Using Fuzzy Petri Nets. Sensors, 2011, 11, 3381-3400.	2.1	29
53	A Reliable and Efficient Clustering Algorithm for Wireless Sensor Networks Using Fuzzy Petri Nets. , 2010, , .		5
54	Petri nets semantics of π -calculus. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2008, 3, 290-294.	0.6	0

#	ARTICLE	IF	CITATIONS
55	Multi-agent Systems Formal Model for Unmanned Ground Vehicles. , 2006, , .		2
56	Architecture description language based on object-oriented petri nets for multi-agent systems. , 0, , .		4
57	Modeling Dynamic Software Architecture Based on ĩ€-Net. , 0, , .		0