

MengChu Zhou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

921
papers

27,496
citations

83
h-index

121
g-index

1,082
ext. papers

34,972
ext. citations

5.4
avg, IF

8.21
L-index

#	Paper	IF	Citations
920	Valid Inequality and Variable Fixation for Unrestricted Block Relocation Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	5.2	
919	Fuzzy Enhanced Adaptive Admittance Control of a Wearable Walking Exoskeleton with Step Trajectory Shaping. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	7.1	
918	Multi-Neighborhood Simulated Annealing-Based Iterated Local Search for Colored Traveling Salesman Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-11	5.2	
917	A Bi-Population Cooperative Optimization Algorithm Assisted by an Autoencoder for Medium-Scale Expensive Problems. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 1-15	6	0
916	Time-Aware Attention-Based Gated Network for Credit Card Fraud Detection by Extracting Transactional Behaviors. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-13	4	0
915	A Synergy-effect-incorporated Fuzzy Petri Net Modeling Paradigm with Application in Risk Assessment. <i>Expert Systems With Applications</i> , 2022 , 117037	7.5	
914	Petri-Net-Based Model Checking for Privacy-Critical Multiagent Systems. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 1-14	4	
913	A motion blur QR code identification algorithm based on feature extracting and improved adaptive thresholding. <i>Neurocomputing</i> , 2022 , 493, 351-361	5.1	
912	Symbolic Scheduling of Robotic Cellular Manufacturing Systems With Timed Petri Nets. <i>IEEE Transactions on Control Systems Technology</i> , 2022 , 1-12	4.3	1
911	Energy-minimized Partial Computation Offloading for Delay-sensitive Applications in Heterogeneous Edge Networks. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2022 , 1-1	3.5	1
910	A PID-incorporated Latent Factorization of Tensors Approach to Dynamically Weighted Directed Network Analysis. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 533-546	6	
909	A machine learning and genetic algorithm-based method for predicting width deviation of hot-rolled strip in steel production systems. <i>Information Sciences</i> , 2022 , 589, 360-375	7.2	0
908	Learning-Based Grey Wolf Optimizer for Stochastic Flexible Job Shop Scheduling. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022 , 1-13	4.2	1
907	Spherical Linguistic Petri Nets for Knowledge Representation and Reasoning under Large Group Environment. <i>IEEE Transactions on Artificial Intelligence</i> , 2022 , 1-1	3.1	2
906	Chaotic-nondominated-sorting Owl Search Algorithm for Energy-aware Multi-Workflow Scheduling in Hybrid Clouds. <i>IEEE Transactions on Sustainable Computing</i> , 2022 , 1-1	3.1	0
905	Self-attention Pooling-based Long-term Temporal Network for Action Recognition. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022 , 1-1	2.5	
904	Feature Map Distillation of Thin Nets for Low-resolution Object Recognition.. <i>IEEE Transactions on Image Processing</i> , 2022 , PP,	7.5	5

903	Guest Editorial Special Issue on Collaborative Edge Computing for Social Internet of Things Systems. <i>IEEE Transactions on Computational Social Systems</i> , 2022 , 9, 59-63	4	
902	Frontiers of Brain-Inspired Autonomous Systems: How Does Defense R&D Drive the Innovations?. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2022 , 8, 8-20	1.5	1
901	A Survey of Cyber Attacks on Cyber Physical Systems: Recent Advances and Challenges. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 784-800	6	0
900	A Momentum-accelerated Hessian-vector-based Latent Factor Analysis Model. <i>IEEE Transactions on Services Computing</i> , 2022 , 1-1	4	1
899	Competition-Driven Multimodal Multiobjective Optimization and Its Application to Feature Selection for Credit Card Fraud Detection. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-13	6.3	
898	HHFS: A Hybrid Hierarchical Feature Selection Method for Ageing Gene Classification. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022 , 1-1	2.5	
897	Wearable Robots for Human Underwater Movement Ability Enhancement: A Survey. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 967-977	6	
896	Hybrid Topology-Based Particle Swarm Optimizer for Multi-source Location Problem in Swarm Robots. <i>Lecture Notes in Computer Science</i> , 2022 , 17-24	0.8	
895	Deep Learning-Based Model Predictive Control for Continuous Stirred-Tank Reactor System. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3643-3652	8.5	11
894	Modeling and Control of Hybrid 3-D Gaits of Snake-Like Robots. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 4603-4612	8.5	1
893	Effective Visual Domain Adaptation via Generative Adversarial Distribution Matching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3919-3929	8.5	8
892	Multiscale Drift Detection Test to Enable Fast Learning in Nonstationary Environments. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3483-3495	8.4	8
891	Delaunay-Triangulation-Based Variable Neighborhood Search to Solve Large-Scale General Colored Traveling Salesman Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 1583-1593	5.2	13
890	An Efficient RRT-Based Framework for Planning Short and Smooth Wheeled Robot Motion Under Kinodynamic Constraints. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 3292-3302	8.2	10
889	Reliability-Aware and Deadline-Constrained Mobile Service Composition Over Opportunistic Networks. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1012-1025	4.2	4
888	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 1014-1025	5.2	6
887	Biobjective Task Scheduling for Distributed Green Data Centers. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 731-742	4.2	30
886	Deadlock-free Supervisor Design for Robotic Manufacturing Cells With Uncontrollable and Unobservable Events. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 597-605	6	8

885	A Branch and Price Algorithm for Crane Assignment and Scheduling in Slab Yard. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1122-1133	4.2	4
884	Privacy-Preserving Behavioral Correctness Verification of Cross-Organizational Workflow With Task Synchronization Patterns. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1037-1048 ^{4.2}		7
883	Multiresource-Constrained Selective Disassembly With Maximal Profit and Minimal Energy Consumption. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 804-816	4.2	33
882	Planning of Garbage Collection Service: An Arc-Routing Problem With Time-Dependent Penalty Cost. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 2692-2705	5.2	8
881	Revenue and Energy Cost-Optimized Biobjective Task Scheduling for Green Cloud Data Centers. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 817-830	4.2	9
880	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 916-926	6.3	32
879	A Double-Blind Anonymous Evaluation-Based Trust Model in Cloud Computing Environments. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 1805-1816	6.3	14
878	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2726-2736	6.3	
877	Algorithms of Unconstrained Non-Negative Latent Factor Analysis for Recommender Systems. <i>IEEE Transactions on Big Data</i> , 2021 , 7, 227-240	2.7	41
876	A Novel Semi-Supervised Learning Approach to Pedestrian Reidentification. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3042-3052	9.6	12
875	Stochastic multi-objective integrated disassembly-reprocessing-reassembly scheduling via fruit fly optimization algorithm. <i>Journal of Cleaner Production</i> , 2021 , 278, 123364	10.1	9
874	RCTL: New Temporal Logic for Improved Formal Verification of Reconfigurable Discrete-Event Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1392-1405	4.2	1
873	Profit-Maximized Collaborative Computation Offloading and Resource Allocation in Distributed Cloud and Edge Computing Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1277-1287	4.2	21
872	3D-RVP: A method for 3D object reconstruction from a single depth view using voxel and point. <i>Neurocomputing</i> , 2021 , 430, 94-103	5.1	5
871	PM2.5 concentration modeling and prediction by using temperature-based deep belief network. <i>Neural Networks</i> , 2021 , 133, 157-165	8.4	16
870	Novel Analog Implementation of a Hyperbolic Tangent Neuron in Artificial Neural Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 10856-10867	8.2	4
869	. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 463-476	4.2	7
868	Integrated deep learning method for workload and resource prediction in cloud systems. <i>Neurocomputing</i> , 2021 , 424, 35-48	5.1	11

867	Inference Approach Based on Petri Nets. <i>Information Sciences</i> , 2021 , 547, 1008-1024	7.2	1
866	Sparse Common Feature Representation for Undersampled Face Recognition. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5607-5618	9.6	7
865	Energy-Optimized Partial Computation Offloading in Mobile-Edge Computing With Genetic Simulated-Annealing-Based Particle Swarm Optimization. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 3774-3785	9.6	30
864	A Novel Fuzzy Logic-Based Text Classification Method for Tracking Rare Events on Twitter. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4324-4333	6.3	5
863	A Deep Latent Factor Model for High-Dimensional and Sparse Matrices in Recommender Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4285-4296	6.3	38
862	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 1612-1629	6.3	4
861	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 20-30	10.8	3
860	Chaotic Local Search-Based Differential Evolution Algorithms for Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3954-3967	6.3	58
859	Finite-Frequency H/H Fault Detection for Discrete-Time T-S Fuzzy Systems With Unmeasurable Premise Variables. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 3017-3026	8.4	6
858	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 394-403	5.2	10
857	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 56-69	4.2	12
856	A Distributed Framework for Large-scale Protein-protein Interaction Data Analysis and Prediction Using MapReduce. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 1-13	6	5
855	Intelligent Geodemographic Clustering Based on Neural Network and Particle Swarm Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	6.3	2
854	. <i>IEEE Transactions on Services Computing</i> , 2021 , 1-1	4	3
853	Scoring and Dynamic Hierarchy-Based NSGA-II for Multiobjective Workflow Scheduling in the Cloud. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-12	4.2	5
852	AB&B: An Anytime Branch and Bound Algorithm for Scheduling of Deadlock-Prone Flexible Manufacturing Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-11	4.2	2
851	A Fault-tolerant Model for Performance Optimization of a Fog Computing System. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	9.6	0
850	A Domain-Guided Noise-Optimization-Based Inversion Method for Facial Image Manipulation. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 6198-6211	7.5	0

849	A Dynamic Evolution Method for Autonomous Vehicle Groups in a Highway Scene. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	9.6	1
848	Recent Advances in Collaborative Scheduling of Computing Tasks in an Edge Computing Paradigm. <i>Sensors</i> , 2021 , 21,	3.6	21
847	Recurrent Neural Dynamics Models for Perturbed Nonstationary Quadratic Programs: A Control-Theoretical Perspective. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	8.5	3
846	Symmetric Nonnegative Matrix Factorization-Based Community Detection Models and Their Convergence Analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	8.5	11
845	Novel L1 Regularized Extreme Learning Machine for Soft-sensing of an Industrial Process. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	10.8	7
844	Supervisory Control of Petri Nets in the Presence of Replacement Attacks. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.1	2
843	Bi-Objective Colored Traveling Salesman Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	5.2	2
842	Internet of Things as System of Systems: A Review of Methodologies, Frameworks, Platforms, and Tools. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 223-236	6.3	41
841	Fully Complex-valued Dendritic Neuron Model. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	8.5	2
840	A Latent Factor Analysis-Based Approach to Online Sparse Streaming Feature Selection. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-15	6.3	14
839	Solving Dynamic Traveling Salesman Problems With Deep Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	8.5	5
838	Inductive Representation Learning via CNN for Partially-Unseen Attributed Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 695-706	4.2	12
837	Precedence-Constrained Colored Traveling Salesman Problem: An Augmented Variable Neighborhood Search Approach. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	8.4	3
836	Decision-Tree-Initialized Dendritic Neuron Model for Fast and Accurate Data Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	8.5	4
835	Moving-Distance-Minimized PSO for Mobile Robot Swarm. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	8.4	2
834	Iterated Greedy Algorithms for Flow-Shop Scheduling Problems: A Tutorial. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-19	4.2	3
833	Inferring Flight Performance Under Different Maneuvers With Pilot's Multi-Physiological Parameters. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	5.2	
832	A Place-Timed Petri Net-Based Method to Avoid Deadlock and Conflict in Railway Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-10	5.2	1

831	Optimizing Locations and Qualities of Multiple Facilities With Competition via Intelligent Search. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-14	5.2	2
830	Soft-sensing of Wastewater Treatment Process via Deep Belief Network with Event-triggered Learning. <i>Neurocomputing</i> , 2021 , 436, 103-113	5.1	7
829	. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 8, 589-598	4	6
828	Dual-Objective Mixed Integer Linear Program and Memetic Algorithm for an Industrial Group Scheduling Problem. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1199-1209	6	11
827	A Performance-Optimized Consensus Mechanism for Consortium Blockchains Consisting of Trust-Varying Nodes. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 2147-2159	4.2	1
826	Disassembly Sequence Planning: A Survey. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1308-1324	6	23
825	A Performance-Driven MPC Algorithm for Underactuated Bridge Cranes. <i>Machines</i> , 2021 , 9, 177	2.9	0
824	On the philosophical, cognitive and mathematical foundations of symbiotic autonomous systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20200362	2.9	6
823	. <i>IEEE Sensors Journal</i> , 2021 , 21, 17308-17317	3.7	1
822	. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 8, 856-869	4	5
821	Digital Technologies and Automation: The Human and Eco-Centered Foundations for the Factory of the Future [TC Spotlight]. <i>IEEE Robotics and Automation Magazine</i> , 2021 , 28, 174-179	2.8	1
820	Intelligent and Data-Driven Fault Detection of Photovoltaic Plants. <i>Processes</i> , 2021 , 9, 1711	2.9	1
819	Large-scale water quality prediction with integrated deep neural network. <i>Information Sciences</i> , 2021 , 571, 191-205	7.2	7
818	Online Scheduling and Route Planning for Shared Buses in Urban Traffic Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-15	5.2	2
817	A Fluid Mechanics-Based Model to Estimate VINET Capacity in an Urban Scene. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-9	5.2	1
816	Surrogate-assisted Autoencoder-embedded Evolutionary Optimization Algorithm to Solve High-dimensional Expensive Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	13.4	4
815	A Hybrid Prediction Method for Realistic Network Traffic With Temporal Convolutional Network and LSTM. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-11	4.2	4
814	A multi-layered gravitational search algorithm for function optimization and real-world problems. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 94-109	6	35

813	Multiobjective Optimized Cloudlet Deployment and Task Offloading for Mobile-Edge Computing. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	9.6	5
812	Efficient and High-quality Recommendations via Momentum-incorporated Parallel Stochastic Gradient Descent-Based Learning. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 402-411	6	18
811	Evolving Container to Unikernel for Edge Computing and Applications in Process Industry. <i>Processes</i> , 2021 , 9, 351	2.9	7
810	Residual-driven Fuzzy C-Means Clustering for Image Segmentation. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 876-889	6	11
809	A Markov regime switching model for asset pricing and ambiguity measurement of stock market. <i>Neurocomputing</i> , 2021 , 435, 283-294	5.1	1
808	A Dynamic Evolution Mechanism for IoV Community in an Urban Scene. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 7521-7530	9.6	4
807	Selecting Correct Methods to Extract Fuzzy Rules from Artificial Neural Network. <i>Mathematics</i> , 2021 , 9, 1164	2.2	
806	A Colored Traveling Salesman Problem with Varying City Colors. <i>Discrete Dynamics in Nature and Society</i> , 2021 , 2021, 1-14	1.1	
805	. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	9.6	0
804	Granular models as networks of associations of information granules: A development scheme via augmented principle of justifiable granularity. <i>Applied Soft Computing Journal</i> , 2021 , 108062	7.2	
803	Optimizing Node Deployment in Rechargeable Camera Sensor Networks for Full-view Coverage. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	9.6	0
802	Energy Consumption and Performance Optimized Task Scheduling in Distributed Data Centers. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-12	6.3	0
801	Green Energy Forecast-based Bi-objective Scheduling of Tasks across Distributed Clouds. <i>IEEE Transactions on Sustainable Computing</i> , 2021 , 1-1	3.1	
800	Velocity-based Gait Planning for Underactuated Bipedal Robot on Uneven and Compliant Terrain. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.2	0
799	Spatio-Temporal Analysis of Mobile Phone Network based on Self-Organizing Feature Map. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	9.6	0
798	A Dynamic Colored Traveling Salesman Problem With Varying Edge Weights. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-10	5.2	0
797	. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 553-557	2.8	2
796	Weak Estimator-Based Stochastic Searching on the Line in Dynamic Dual Environments. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	8.4	1

795	Intelligent Fault Diagnosis for Large-Scale Rotating Machines Using Binarized Deep Neural Networks and Random Forests. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-11	4.2	10
794	Dynamic Embedding Projection-Gated Convolutional Neural Networks for Text Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	8.5	9
793	Sparse Individual Low-rank Component Representation for Face Recognition in IoT-based System. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	9.6	3
792	Multiverse Optimization Algorithm for Stochastic Biobjective Disassembly Sequence Planning Subject to Operation Failures. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	6.3	8
791	An Efficient Self-Organizing Deep Fuzzy Neural Network for Nonlinear System Modeling. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	7.1	0
790	Energy-Minimized Scheduling of Real-Time Parallel Workflows on Heterogeneous Distributed Computing Systems. <i>IEEE Transactions on Services Computing</i> , 2021 , 1-1	4	4
789	MO4: A Many-objective Evolutionary Algorithm for Protein Structure Prediction. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	13.4	3
788	Variable Petri Nets for Mobility. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-14	6.3	
787	Endpoint Communication Contention-Aware Cloud Workflow Scheduling. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-14	4.2	2
786	Adjusting Learning Depth in Nonnegative Latent Factorization of Tensors for Accurately Modeling Temporal Patterns in Dynamic QoS Data. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 1-14	4.2	1
785	Fast and Accurate Non-negative Latent Factor Analysis on High-dimensional and Sparse Matrices in Recommender Systems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	3.4	5
784	Multi-Swarm Co-evolution based Hybrid Intelligent Optimization for Bi-objective Multi-Workflow Scheduling in the Cloud. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 1-1	3.2	
783	Kullback-Leibler Divergence-Based Fuzzy C-Means Clustering Incorporating Morphological Reconstruction and Wavelet Frames for Image Segmentation. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	8.4	2
782	Cost-Effective and Latency-minimized Data Placement Strategy for Spatial Crowdsourcing in Multi-Cloud Environment. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 1-1	2.7	2
781	Analysis of Unbounded Petri Net With Lean Reachability Trees. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 2007-2016	6.3	0
780	A Novel Rescheduling Method for Dynamic Semiconductor Manufacturing Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 1679-1689	6.3	15
779	Liveness Analysis and Deadlock Control for Automated Manufacturing Systems With Multiple Resource Requirements. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 525-538	6.3	9
778	Optimal Dynamic Pricing for Trading-Off User Utility and Operator Profit in Smart Grid. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 455-467	6.3	11

777	Modeling and Optimal Cyclic Scheduling of Time-Constrained Single-Robot-Arm Cluster Tools via Petri Nets and Linear Programming. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 871-883	6.3	9
776	An Evaluation and Optimization Methodology for Efficient Power Plant Programs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 707-716	6.3	6
775	Overlapping Community Change-Point Detection in an Evolving Network. <i>IEEE Transactions on Big Data</i> , 2020 , 6, 189-200	2.7	18
774	Deadlock-Free Scheduling of Flexible Assembly Systems Based on Petri Nets and Local Search. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3658-3669	6.3	8
773	Deadlock and Blockage Control of Automated Manufacturing Systems with an Unreliable Resource. <i>Asian Journal of Control</i> , 2020 , 22, 334-345	1.7	4
772	Robust Deadlock Prevention for Automated Manufacturing Systems With Unreliable Resources by Using General Petri Nets. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3515-3527	6.3	7
771	Refinement-Based Hierarchical Modeling and Correctness Verification of Cross-Organization Collaborative Emergency Response Processes. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 2845-2859	6.3	12
770	Temporal Pattern-Aware QoS Prediction via Biased Non-Negative Latent Factorization of Tensors. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1798-1809	8.4	86
769	Fuzzy Grey Choquet Integral for Evaluation of Multicriteria Decision Making Problems With Interactive and Qualitative Indices. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-14	6.3	36
768	Profit-Sensitive Spatial Scheduling of Multi-Application Tasks in Distributed Green Clouds. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 1097-1106	4.2	12
767	Bi-objective Elite Differential Evolution Algorithm for Multivalued Logic Networks. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 233-246	8.4	39
766	A Fluid Mechanics-Based Data Flow Model to Estimate VANET Capacity. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 2603-2614	5.2	18
765	A Game Theoretic Approach for Distributed and Coordinated Channel Access Control in Cooperative Vehicle Safety Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 2297-2309	5.2	10
764	Non-Dominated Immune-Endocrine Short Feedback Algorithm for Multi-Robot Maritime Patrolling. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 362-373	5.2	12
763	Scheduling Dual-Objective Stochastic Hybrid Flow Shop With Deteriorating Jobs via Bi-Population Evolutionary Algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 5037-5048	6.3	44
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30	Approximate performance analysis of Workflow model		1
29	Some results and open problems concerning elementary siphons of Petri nets		1
28	Iterative synthesis of Petri net based deadlock prevention policy for flexible manufacturing systems		9
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