

Zhiwu Li

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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.

487
papers

10,540
citations

54
h-index

85
g-index

568
ext. papers

12,646
ext. citations

4.7
avg, IF

7.28
L-index

#	Paper	IF	Citations
487	Elementary siphons of Petri nets and their application to deadlock prevention in flexible manufacturing systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2004 , 34, 38-51		444
486	Deadlock Control of Automated Manufacturing Systems Based on Petri Nets—A Literature Review. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 437-462		202
485	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2011 , 8, 374-393	4.9	197
484	A Survey and Comparison of Petri Net-Based Deadlock Prevention Policies for Flexible Manufacturing Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2008 , 38, 173-188		187
483	Two-Stage Method for Synthesizing Liveness-Enforcing Supervisors for Flexible Manufacturing Systems Using Petri Nets. <i>IEEE Transactions on Industrial Informatics</i> , 2006 , 2, 313-325	11.9	179
482	Pareto-Optimization for Scheduling of Crude Oil Operations in Refinery via Genetic Algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 517-530	7.3	175
481	A Maximally Permissive Deadlock Prevention Policy for FMS Based on Petri Net Siphon Control and the Theory of Regions. <i>IEEE Transactions on Automation Science and Engineering</i> , 2008 , 5, 182-188	4.9	174
480	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2008 , 38, 56-69		171
479	On Controllability of Dependent Siphons for Deadlock Prevention in Generalized Petri Nets. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2008 , 38, 369-384		165
478	Design of a maximally permissive liveness-enforcing supervisor with a compressed supervisory structure for flexible manufacturing systems. <i>Automatica</i> , 2011 , 47, 1028-1034	5.7	163
477	Control of Elementary and Dependent Siphons in Petri Nets and Their Application. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2008 , 38, 133-148		161
476	Verification of State-Based Opacity Using Petri Nets. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2823-2837	5.9	148
475	Operation patterns analysis of automotive components remanufacturing industry development in China. <i>Journal of Cleaner Production</i> , 2017 , 164, 1363-1375	10.3	144
474	Improving Risk Evaluation in FMEA With Cloud Model and Hierarchical TOPSIS Method. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 84-95	8.3	131
473	Deadlock Prevention Based on Structure Reuse of Petri Net Supervisors for Flexible Manufacturing Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012 , 42, 178-191		129
472	Optimal Supervisory Control of Flexible Manufacturing Systems by Petri Nets: A Set Classification Approach. <i>IEEE Transactions on Automation Science and Engineering</i> , 2014 , 11, 549-563	4.9	126
471	. <i>IEEE Robotics and Automation Magazine</i> , 2015 , 22, 64-76	3.4	123

470	Fuzzy Petri nets for knowledge representation and reasoning: A literature review. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 60, 45-56	7.2	120
469	Optimal One-Wafer Cyclic Scheduling and Buffer Space Configuration for Single-Arm Multicluster Tools With Linear Topology. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1456-1467	7.3	105
468	Scheduling of Single-Arm Cluster Tools for an Atomic Layer Deposition Process With Residency Time Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 502-516	7.3	100
467	Short-term scheduling of crude oil operations in refinery with high-fusion-point oil and two transportation pipelines. <i>Enterprise Information Systems</i> , 2016 , 10, 581-610	3.5	100
466	A new integrated MCDM model for sustainable supplier selection under interval-valued intuitionistic uncertain linguistic environment. <i>Information Sciences</i> , 2019 , 486, 254-270	7.7	99
465	New Petri Net Structure and Its Application to Optimal Supervisory Control: Interval Inhibitor Arcs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 1384-1400	7.3	98
464	Design of Optimal Petri Net Controllers for Disjunctive Generalized Mutual Exclusion Constraints. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 1774-1785	5.9	97
463	Compact Supervisory Control of Discrete Event Systems by Petri Nets With Data Inhibitor Arcs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 364-379	7.3	94
462	Reconfigurable Coordination of Distributed Discrete Event Control Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 323-330	4.8	94
461	On the enforcement of a class of nonlinear constraints on Petri nets. <i>Automatica</i> , 2015 , 55, 116-124	5.7	93
460	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2015 , 12, 258-271	4.9	90
459	A divide-and-conquer-method for the synthesis of liveness enforcing supervisors for flexible manufacturing systems. <i>Journal of Intelligent Manufacturing</i> , 2016 , 27, 1111-1129	6.7	84
458	Identification and elimination of redundant control places in petri net based liveness enforcing supervisors of FMS. <i>International Journal of Advanced Manufacturing Technology</i> , 2007 , 35, 150-168	3.2	84
457	Basis Marking Representation of Petri Net Reachability Spaces and Its Application to the Reachability Problem. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1078-1093	5.9	83
456	Petri net-based approach to short-term scheduling of crude oil operations with less tank requirement. <i>Information Sciences</i> , 2017 , 417, 247-261	7.7	83
455	Behaviorally Optimal and Structurally Simple Liveness-Enforcing Supervisors of Flexible Manufacturing Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012 , 42, 615-629		80
454	Deadlock recovery for flexible manufacturing systems modeled with Petri nets. <i>Information Sciences</i> , 2017 , 381, 290-303	7.7	80
453	Decentralized Supervision of Petri Nets With a Coordinator. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2015 , 45, 955-966	7.3	79

452	On Siphon Computation for Deadlock Control in a Class of Petri Nets. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2008 , 38, 667-679		77
451	An adaptive Lagrangian relaxation-based algorithm for a coordinated water supply and wastewater collection network design problem. <i>Information Sciences</i> , 2020 , 512, 1335-1359	7.7	76
450	Liveness of an extended S3PR. <i>Automatica</i> , 2010 , 46, 1008-1018	5.7	69
449	Improved Fuzzy Bayesian Network-Based Risk Analysis With Interval-Valued Fuzzy Sets and DB Evidence Theory. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 2063-2077	8.3	69
448	Target Disassembly Sequencing and Scheme Evaluation for CNC Machine Tools Using Improved Multiobjective Ant Colony Algorithm and Fuzzy Integral. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 2438-2451	7.3	68
447	Deadlock-Free Control of Automated Manufacturing Systems With Flexible Routes and Assembly Operations Using Petri Nets. <i>IEEE Transactions on Industrial Informatics</i> , 2013 , 9, 109-121	11.9	67
446	AHP, Gray Correlation, and TOPSIS Combined Approach to Green Performance Evaluation of Design Alternatives. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1093-1105	7.3	66
445	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012 , 42, 226-237		65
444	Environmentally friendly MCDM of reliability-based product optimisation combining DEMATEL-based ANP, interval uncertainty and Vlse Kriterijumska Optimizacija Kompromisno Resenje (VIKOR). <i>Information Sciences</i> , 2018 , 442-443, 128-144	7.7	64
443	Containment of rumor spread in complex social networks. <i>Information Sciences</i> , 2020 , 506, 113-130	7.7	63
442	On the Equivalence of Observation Structures for Petri Net Generators. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2448-2462	5.9	62
441	A hybrid multi-objective optimization approach for energy-absorbing structures in train collisions. <i>Information Sciences</i> , 2019 , 481, 491-506	7.7	60
440	Characterization of Admissible Marking Sets in Petri Nets With Conflicts and Synchronizations. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1329-1341	5.9	59
439	On structural minimality of optimal supervisors for flexible manufacturing systems. <i>Automatica</i> , 2012 , 48, 2647-2656	5.7	58
438	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1371-1385	7.3	57
437	An Effective Algorithm to Find Elementary Siphons in a Class of Petri Nets. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2009 , 39, 912-923		56
436	Decentralized Diagnosis by Petri Nets and Integer Linear Programming. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1689-1700	7.3	56
435	Two-agent stochastic flow shop deteriorating scheduling via a hybrid multi-objective evolutionary algorithm. <i>Journal of Intelligent Manufacturing</i> , 2019 , 30, 2257-2272	6.7	55

434	Matching demanders and suppliers in knowledge service: A method based on fuzzy axiomatic design. <i>Information Sciences</i> , 2016 , 346-347, 130-145	7.7	54
433	Dual-objective program and improved artificial bee colony for the optimization of energy-conscious milling parameters subject to multiple constraints. <i>Journal of Cleaner Production</i> , 2020 , 245, 118714	10.3	53
432	Model-based fault identification of discrete event systems using partially observed Petri nets. <i>Automatica</i> , 2018 , 96, 201-212	5.7	52
431	Algebraic Synthesis of Timed Supervisor for Automated Manufacturing Systems Using Petri Nets. <i>IEEE Transactions on Automation Science and Engineering</i> , 2010 , 7, 549-557	4.9	51
430	Integration of Learning-Based Testing and Supervisory Control for Requirements Conformance of Black-Box Reactive Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 2-15	4.9	50
429	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 311-326	4.9	50
428	Supervisor Optimization for Deadlock Resolution in Automated Manufacturing Systems With Petri Nets. <i>IEEE Transactions on Automation Science and Engineering</i> , 2011 , 8, 794-804	4.9	50
427	Energy efficiency optimization in scheduling crude oil operations of refinery based on linear programming. <i>Journal of Cleaner Production</i> , 2017 , 166, 49-57	10.3	48
426	Selection of take-back pattern of vehicle reverse logistics in China via Grey-DEMATEL and Fuzzy-VIKOR combined method. <i>Journal of Cleaner Production</i> , 2019 , 220, 1088-1100	10.3	47
425	Low-Cost and High-Performance Supervision in Ratio-Enforced Automated Manufacturing Systems Using Timed Petri Nets. <i>IEEE Transactions on Automation Science and Engineering</i> , 2010 , 7, 933-944	4.9	47
424	. <i>IEEE Transactions on Multimedia</i> , 2009 , 11, 1457-1465	6.6	47
423	RWiN: New Methodology for the Development of Reconfigurable WSN. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017 , 14, 109-125	4.9	46
422	Group consensus via pinning control for a class of heterogeneous multi-agent systems with input constraints. <i>Information Sciences</i> , 2021 , 542, 247-262	7.7	46
421	Reversed fuzzy Petri nets and their application for fault diagnosis. <i>Computers and Industrial Engineering</i> , 2011 , 60, 505-510	6.4	45
420	Supervisor Design to Enforce Production Ratio and Absence of Deadlock in Automated Manufacturing Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2011 , 41, 201-212		44
419	Granular Data Description: Designing Ellipsoidal Information Granules. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 4475-4484	10.2	43
418	Design of Distributed CyberPhysical Systems for Connected and Automated Vehicles With Implementing Methodologies. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4200-4211	11.9	43
417	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	7.3	43

4 ¹⁶	On-line verification of current-state opacity by Petri nets and integer linear programming. <i>Automatica</i> , 2018 , 94, 205-213	5.7	42
4 ¹⁵	Decidability of opacity verification problems in labeled Petri net systems. <i>Automatica</i> , 2017 , 80, 48-53	5.7	41
4 ¹⁴	An Optimization Approach to Improved Petri Net Controller Design for Automated Manufacturing Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013 , 10, 772-782	4.9	41
4 ¹³	A multi-objective supplier selection and order allocation through incremental discount in a fuzzy environment. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 37, 1435-1455	1.6	40
4 ¹²	A Petri Net Approach to Fault Diagnosis and Restoration for Power Transmission Systems to Avoid the Output Interruption of Substations. <i>IEEE Systems Journal</i> , 2018 , 12, 2566-2576	4.3	40
4 ¹¹	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 717-728	4.2	38
4 ¹⁰	Multiagent Framework for Smart Grids Recovery. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1284-1300	7.3	38
4 ⁰⁹	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013 , 43, 932-940	7.3	38
4 ⁰⁸	Fault Identification of Discrete Event Systems Modeled by Petri Nets With Unobservable Transitions. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 333-345	7.3	38
4 ⁰⁷	A Learning-Based Synthesis Approach to the Supremal Nonblocking Supervisor of Discrete-Event Systems. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 3345-3360	5.9	37
4 ⁰⁶	R-TNCES: A Novel Formalism for Reconfigurable Discrete Event Control Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013 , 43, 757-772	7.3	37
4 ⁰⁵	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013 , 43, 252-265	7.3	37
4 ⁰⁴	Improved Multi-Step Look-Ahead Control Policies for Automated Manufacturing Systems. <i>IEEE Access</i> , 2018 , 6, 68824-68838	3.5	37
4 ⁰³	Dual mode for vehicular platoon safety: Simulation and formal verification. <i>Information Sciences</i> , 2017 , 402, 216-232	7.7	35
4 ⁰²	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2012 , 42, 392-403		35
4 ⁰¹	Reconfiguration of Distributed Embedded-Control Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2011 , 16, 684-694	5.5	35
4 ⁰⁰	Modeling and scheduling for manufacturing grid workflows using timed Petri nets. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 42, 553-568	3.2	35
399	Local and global deadlock prevention policies for resource allocation systems using partially generated reachability graphs. <i>Computers and Industrial Engineering</i> , 2009 , 57, 1168-1181	6.4	35

398	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 623-637	7.3	34
397	A Divide-and-Conquer Strategy to Deadlock Prevention in Flexible Manufacturing Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2009 , 39, 156-169		32
396	Deadlock control of flexible manufacturing systems via invariant-controlled elementary siphons of petri nets. <i>International Journal of Advanced Manufacturing Technology</i> , 2007 , 33, 24-35	3.2	32
395	Current-state opacity enforcement in discrete event systems under incomparable observations. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 2018 , 28, 161-182	1	32
394	. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1115-1126	8.3	31
393	New Power-Oriented Methodology for Dynamic Resizing and Mobility of Reconfigurable Wireless Sensor Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1120-1130	7.3	30
392	Fuzzy clustering with nonlinearly transformed data. <i>Applied Soft Computing Journal</i> , 2017 , 61, 364-376	7.5	30
391	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013 , 43, 85-97	7.3	30
390	Granular data imputation: A framework of Granular Computing. <i>Applied Soft Computing Journal</i> , 2016 , 46, 307-316	7.5	30
389	On a maximally permissive deadlock prevention policy for automated manufacturing systems by using resource-oriented Petri nets. <i>ISA Transactions</i> , 2019 , 89, 67-76	5.5	30
388	Wavelet Frame-Based Fuzzy C-Means Clustering for Segmenting Images on Graphs. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3938-3949	10.2	30
387	Anomaly detection based on a dynamic Markov model. <i>Information Sciences</i> , 2017 , 411, 52-65	7.7	29
386	A Novel Hybrid Fuzzy Grey TOPSIS Method: Supplier Evaluation of a Collaborative Manufacturing Enterprise. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3770	2.6	29
385	Reconfigurable Multiagent Embedded Control Systems: From Modeling to Implementation. <i>IEEE Transactions on Computers</i> , 2011 , 60, 538-551	2.5	29
384	An Approach to Improve Permissiveness of Supervisors for GMECs in Time Petri Net Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 237-251	5.9	29
383	R-Node: New Pipelined Approach for an Effective Reconfigurable Wireless Sensor Node. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 892-905	7.3	28
382	Maximally permissive liveness-enforcing supervisor with lowest implementation cost for flexible manufacturing systems. <i>Information Sciences</i> , 2014 , 256, 74-90	7.7	28
381	A deadlock prevention approach for flexible manufacturing systems without complete siphon enumeration of their Petri net models. <i>Engineering With Computers</i> , 2009 , 25, 269-278	4.5	28

- 380 On systematic methods to remove redundant monitors from liveness-enforcing net supervisors. *Computers and Industrial Engineering*, **2009**, 56, 53-62 6.4 28
- 379 Synthesis of Structurally Simple Supervisors Enforcing Generalized Mutual Exclusion Constraints in Petri Nets. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2010**, 40, 330-340 27
- 378 A correct minimal siphons extraction algorithm from a maximal unmarked siphon of a Petri net. *International Journal of Production Research*, **2007**, 45, 2161-2165 7.8 27
- 377 Multiobjective Bike Repositioning in Bike-Sharing Systems via a Modified Artificial Bee Colony Algorithm. *IEEE Transactions on Automation Science and Engineering*, **2020**, 17, 909-920 4.9 27
- 376 On Algebraic Identification of Critical States for Deadlock Control in Automated Manufacturing Systems Modeled With Petri Nets. *IEEE Access*, **2019**, 7, 121332-121349 3.5 26
- 375 A Design of Granular Takagi-Flugeno Fuzzy Model Through the Synergy of Fuzzy Subspace Clustering and Optimal Allocation of Information Granularity. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 2499-2509 8.3 26
- 374 Multistage Impact Energy Distribution for Whole Vehicles in High-Speed Train Collisions: Modeling and Solution Methodology. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 2486-2499 11.9 26
- 373 Extended elementary siphon-based deadlock prevention policy for a class of generalised Petri nets. *International Journal of Computer Integrated Manufacturing*, **2014**, 27, 85-102 4.3 25
- 372 Suboptimal liveness-enforcing supervisor design for a class of generalised Petri nets using partial siphon enumeration and mathematical programming. *International Journal of Systems Science*, **2010**, 41, 1013-1026 2.3 25
- 371 Comments on "Deadlock prevention policy based on petri nets and siphons" *International Journal of Production Research*, **2004**, 42, 5253-5254 7.8 25
- 370 Granular Data Aggregation: An Adaptive Principle of the Justifiable Granularity Approach. *IEEE Transactions on Cybernetics*, **2019**, 49, 417-426 10.2 25
- 369 A novel hybrid air quality early-warning system based on phase-space reconstruction and multi-objective optimization: A case study in China. *Journal of Cleaner Production*, **2020**, 260, 121027 10.3 24
- 368 Granular Models and Granular Outliers. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3835-3846 8.3 23
- 367 Granular Representation of Data: A Design of Families of α -Information Granules. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 2107-2119 8.3 23
- 366 Diagnosability of Vector Discrete-Event Systems Using Predicates. *IEEE Access*, **2019**, 7, 147143-147155 3.5 23
- 365 An optimal-elementary-siphons-based iterative deadlock prevention policy for flexible manufacturing systems. *International Journal of Advanced Manufacturing Technology*, **2008**, 38, 309-320 3.2 23
- 364 Optimal Priority-Free Conditionally-Preemptive Real-Time Scheduling of Periodic Tasks Based on DES Supervisory Control. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 1082-1098 7.3 22
- 363 Integrated intelligent green scheduling of sustainable flexible workshop with edge computing considering uncertain machine state. *Journal of Cleaner Production*, **2020**, 246, 119070 10.3 22

362	Friendship-based partner switching promotes cooperation in heterogeneous populations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 443, 192-199	3.3	21
361	Coevolution of aspirations and cooperation in spatial prisoner's dilemma game. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P01032	1.9	21
360	An integrated decision-making method for product design scheme evaluation based on cloud model and EEG data. <i>Advanced Engineering Informatics</i> , 2020 , 43, 101028	7.4	21
359	Interval-Valued Intuitionistic Uncertain Linguistic Cloud Petri Net and Its Application to Risk Assessment for Subway Fire Accident. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-15	4.9	21
358	. <i>IEEE Access</i> , 2018 , 6, 14078-14092	3.5	20
357	Synthesis of liveness enforcing supervisor for automated manufacturing systems using insufficiently marked siphons. <i>Journal of Intelligent Manufacturing</i> , 2010 , 21, 555-567	6.7	20
356	Deadlock control of concurrent manufacturing processes sharing finite resources. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 38, 787-800	3.2	20
355	Nonblocking Supervisory Control of State-Tree Structures With Conditional-Preemption Matrices. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3744-3756	11.9	20
354	Neural Network-Based Distributed Cooperative Learning Control for Multiagent Systems via Event-Triggered Communication. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 407-419	10.3	20
353	. <i>IEEE Access</i> , 2019 , 7, 21006-21019	3.5	19
352	Synthesis of Supervisory Control With Partial Observation on Normal State-Tree Structures. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 984-997	4.9	19
351	Design of Supervisors for Active Diagnosis in Discrete Event Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 5159-5172	5.9	19
350	Multiobjective Program and Hybrid Imperialist Competitive Algorithm for the Mixed-Model Two-Sided Assembly Lines Subject to Multiple Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 119-129	7.3	19
349	High-Accuracy Signal Subspace Separation Algorithm Based on Gaussian Kernel Soft Partition. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 491-499	8.9	19
348	On scalable supervisory control of multi-agent discrete-event systems. <i>Automatica</i> , 2019 , 108, 108460	5.7	19
347	A Piecewise Aggregate pattern representation approach for anomaly detection in time series. <i>Knowledge-Based Systems</i> , 2017 , 135, 29-39	7.3	19
346	Multi-agent oriented solution for forecasting-based control strategy with load priority of microgrids in an island mode [Case study: Tunisian petroleum platform. <i>Electric Power Systems Research</i> , 2017 , 152, 411-423	3.5	19
345	Scheme selection of design for disassembly (DFD) based on sustainability: A novel hybrid of interval 2-tuple linguistic intuitionistic fuzzy numbers and regret theory. <i>Journal of Cleaner Production</i> , 2021 , 281, 124724	10.3	19

344	Stealthy Attacks for Partially-Observed Discrete Event Systems 2018 ,		19
343	Multiagent Architecture for Distributed Adaptive Scheduling of Reconfigurable Real-Time Tasks With Energy Harvesting Constraints. <i>IEEE Access</i> , 2018 , 6, 2068-2084	3.5	18
342	A parameterized liveness and ratio-enforcing supervisor for a class of generalized Petri nets. <i>Automatica</i> , 2013 , 49, 3167-3179	5.7	18
341	Performance evaluation of vehicular platoons using Webots. <i>IET Intelligent Transport Systems</i> , 2017 , 11, 441-449	2.4	18
340	Modeling and Verification of Reconfigurable and Energy-Efficient Manufacturing Systems. <i>Discrete Dynamics in Nature and Society</i> , 2015 , 2015, 1-14	1.1	18
339	On deadlock control for a class of generalised Petri net models of flexible manufacturing systems. <i>International Journal of Production Research</i> , 2009 , 47, 6085-6107	7.8	18
338	An XGBoost-based casualty prediction method for terrorist attacks. <i>Complex & Intelligent Systems</i> , 2020 , 6, 721-740	7.1	18
337	Petri net controllers for Generalized Mutual Exclusion Constraints with floor operators. <i>Automatica</i> , 2016 , 74, 238-246	5.7	18
336	Optimization of Deterministic Timed Weighted Marked Graphs. <i>IEEE Transactions on Automation Science and Engineering</i> , 2017 , 14, 1084-1095	4.9	17
335	Data-driven product design toward intelligent manufacturing: A review. <i>International Journal of Advanced Robotic Systems</i> , 2020 , 17, 172988142091125	1.4	17
334	Efficient deadlock prevention policy in automated manufacturing systems using exhausted resources. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 40, 566-571	3.2	17
333	Residual-driven Fuzzy C-Means Clustering for Image Segmentation. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 876-889	7	17
332	. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1779-1792	8.3	17
331	A stacking-based ensemble learning method for earthquake casualty prediction. <i>Applied Soft Computing Journal</i> , 2021 , 101, 107038	7.5	17
330	A new strategy for the suppression of cross-terms in pseudo WignerVille distribution. <i>Signal, Image and Video Processing</i> , 2016 , 10, 139-144	1.6	16
329	Intelligent Colored Token Petri Nets for Modeling, Control, and Validation of Dynamic Changes in Reconfigurable Manufacturing Systems. <i>Processes</i> , 2020 , 8, 358	2.9	16
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