Zhijun Ding

List of Publications by Year
in descending order

62	1,079	566801	454577
papers	citations	15	30
		h-index	g-index

62	62	62	1061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kubernetes-Oriented Microservice Placement With Dynamic Resource Allocation. IEEE Transactions on Cloud Computing, 2023, 11, 1777-1793.	3.1	10
2	Variable Petri Nets for Mobility. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4784-4797.	5.9	5
3	Model Checking of Variable Petri Nets by Using the Kripke Structure. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7774-7786.	5.9	1
4	Elastic Scheduling for Microservice Applications in Clouds. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 98-115.	4.0	56
5	Feedback-based Coarse Time-Granularity POI Recommendation and Itinerary Planning. , 2021, , .		0
6	Automatic Modeling Method for PThread Programs Based on Program Dependence Net. , 2021, , .		1
7	Measurement and Computation of Profile Similarity of Workflow Nets Based on Behavioral Relation Matrix. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3628-3645.	5.9	12
8	A Dynamic Data Slice Approach to the Vulnerability Analysis of E-Commerce Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3598-3612.	5.9	9
9	Detect and analyse the concurrent flaws of the BPEL process in a VPN-based approach. International Journal of Services, Technology and Management, 2020, 26, 182.	0.1	1
10	Vulnerability Evaluation Method for E-Commerce Transaction Systems With Unobservable Transitions. IEEE Access, 2020, 8, 101035-101048.	2.6	2
11	QoS-Constrained Service Selection for Networked Microservices. IEEE Access, 2020, 8, 39285-39299.	2.6	11
12	Behavior Analysis for Electronic Commerce Trading Systems: A Survey. IEEE Access, 2019, 7, 108703-108728.	2.6	15
13	Accelerometer-Based Mobile Device Identification System for the Realistic Environment. IEEE Access, 2019, 7, 131435-131447.	2.6	6
14	Interactive-Control-Model for Human–Computer Interactive System Based on Petri Nets. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1800-1813.	3.4	17
15	Heterogeneity Aware Workload Management in Distributed Sustainable Datacenters. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 375-387.	4.0	8
16	An Improved Mixed-Integer Programming Method to Compute Emptiable Minimal Siphons in S^3PR Nets. IEEE Transactions on Control Systems Technology, 2018, 26, 2135-2140.	3.2	10
17	Analyzing E-Commerce Business Process Nets via Incidence Matrix and Reduction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 130-141.	5.9	27
18	Configuration-Based Fingerprinting of Mobile Device Using Incremental Clustering. IEEE Access, 2018, 6, 72402-72414.	2.6	4

#	Article	IF	Citations
19	Designing an Interactive Control for Multi-Robots Scenes based on Petri Nets. , 2018, , .		0
20	Modeling and Analysis for Mobile Computing Systems Based on Petri Nets: A Survey. IEEE Access, 2018, 6, 68038-68056.	2.6	5
21	A genetic algorithm based approach to transactional and QoS-aware service selection. Enterprise Information Systems, 2017, 11, 339-358.	3.3	10
22	Recommending Locations Based on Users' Periodic Behaviors. Mobile Information Systems, 2017, 2017, 1-9.	0.4	2
23	Actuated green wave control for grid-like network traffic signal coordination. , 2016, , .		0
24	A behavioral authentication method for mobile gesture against resilient user posture. , 2016, , .		8
25	Fully Expanded Tree for Property Analysis of One-Place-Unbounded Petri Nets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-12.	5.9	14
26	Recent Advances in Energy-Efficient Routing Protocols for Wireless Sensor Networks: A Review. IEEE Access, 2016, 4, 5673-5686.	2.6	144
27	Liveness Analysis of Ï‰-Independent Petri Nets Based on New Modified Reachability Trees. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-12.	5.9	10
28	A task scheduling strategy based on weighted round robin for distributed crawler. Concurrency Computation Practice and Experience, 2016, 28, 3202-3212.	1.4	2
29	Performance Evaluation of Transactional Composite Web Services. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1061-1074.	5.9	5
30	Topic-Oriented Exploratory Search Based on an Indexing Network. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 234-247.	5.9	12
31	Modeling and Verification of Online Shopping Business Processes by Considering Malicious Behavior Patterns. IEEE Transactions on Automation Science and Engineering, 2016, 13, 647-662.	3.4	35
32	Automatic Web Service Composition Based on Uncertainty Execution Effects. IEEE Transactions on Services Computing, 2016, 9, 551-565.	3.2	49
33	Dynamic Slicing of Petri Nets Based on Structural Dependency Graph and its Application in System Analysis. Asian Journal of Control, 2015, 17, 1403-1414.	1.9	8
34	A Transaction and QoS-Aware Service Selection Approach Based on Genetic Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1035-1046.	5.9	69
35	An Adaptive Multilevel Indexing Method for Disaster Service Discovery. IEEE Transactions on Computers, 2015, 64, 2447-2459.	2.4	36
36	Performance evaluation and simulation of peer-to-peer protocols for Massively Multiplayer Online Games. Multimedia Tools and Applications, 2015, 74, 2763-2780.	2.6	3

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37	Mining Multiple Periods in Event Time Sequence. Lecture Notes in Computer Science, 2015, , 278-288.	1.0	2
38	A Task Scheduling Strategy Based on Weighted Round-Robin for Distributed Crawler. , 2014, , .		9
39	PEWP: Process extraction based on word position in documents. , 2014, , .		1
40	Modeling and Validating E-Commerce Business Process Based on Petri Nets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 327-341.	5.9	61
41	Automated web service composition supporting conditional branch structures. Enterprise Information Systems, 2014, 8, 121-146.	3.3	35
42	Big data resource service platform for the internet financial industry. Science Bulletin, 2014, 59, 5051-5058.	1.7	10
43	An Indexing Network: Model and Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1633-1648.	5.9	14
44	Constraint-Aware Approach to Web Service Composition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 770-784.	5.9	53
45	An Investigation of Security Trends in Personal Wireless Networks. Wireless Personal Communications, 2014, 75, 1669-1687.	1.8	8
46	A new algorithm of generating a minimum spanning tree of a graph based on recursion. , 2014, , .		0
47	Business Intelligence Security on the Clouds: Challenges, Solutions and Future Directions. , 2013, , .		10
48	Moments in Time: A Forensic View of Twitter. , 2013, , .		4
49	Design and Implementation of a Web-Service-Based Public-Oriented Personalized Health Care Platform. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 941-957.	5.9	39
50	Modelling and Simulation of Peer-to-Peer Overlay Network Protocols using OverSim. , 2013, , .		1
51	A Novel Method for Calculating Service Reputation. IEEE Transactions on Automation Science and Engineering, 2013, 10, 634-642.	3.4	56
52	An Indexing Network Model for Information Services and Its Applications. , 2013, , .		2
53	A Relational Taxonomy of Services for Large Scale Service Repositories. , 2012, , .		9
54	Indeterminacy-aware service selection for reliable service composition. Frontiers of Computer Science, 2011, 5, 26-36.	0.6	4

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55	Reliable Web Services Selection Using a Heuristic Algorithm. , 2010, , .		1
56	Using Petri nets to verify acyclic rule-based system. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2008, 3, 155-161.	0.6	0
57	Preserving Languages and Properties in Stepwise Refinement-Based Synthesis of Petri Nets. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 791-801.	3.4	24
58	Deadlock Checking for One-Place Unbounded Petri Nets Based on Modified Reachability Trees. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 881-883.	5.5	34
59	Automatic Web Service Composition Based on Logical Inference of Horn Clauses in Petri Net Models. , 2007, , .		7
60	AI Planning for Web Service Automatic Composition Using Petri Nets. , 2007, , .		4
61	GAOM: Genetic Algorithm Based Ontology Matching. , 2006, , .		70
62	An Ontology-based Public Transport Query System. , 2005, , .		14