

Zhijun Ding

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.

54
papers

774
citations

15
h-index

26
g-index

62
ext. papers

930
ext. citations

4.1
avg. IF

4.48
L-index

#	Paper	IF	Citations
54	Kubernetes-Oriented Microservice Placement with Dynamic Resource Allocation. <i>IEEE Transactions on Cloud Computing</i> , 2022 , 1-1	3.3	1
53	Model Checking of Variable Petri Nets by Using the Kripke Structure. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-13	7.3	
52	Elastic Scheduling for Microservice Applications in Clouds. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021 , 32, 98-115	3.7	20
51	Variable Petri Nets for Mobility. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-14	7.3	
50	. <i>IEEE Access</i> , 2020 , 8, 101035-101048	3.5	2
49	QoS-Constrained Service Selection for Networked Microservices. <i>IEEE Access</i> , 2020 , 8, 39285-39299	3.5	6
48	Measurement and Computation of Profile Similarity of Workflow Nets Based on Behavioral Relation Matrix. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3628-3645	7.3	8
47	A Dynamic Data Slice Approach to the Vulnerability Analysis of E-Commerce Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3598-3612	7.3	3
46	Behavior Analysis for Electronic Commerce Trading Systems: A Survey. <i>IEEE Access</i> , 2019 , 7, 108703-108728	3.5	10
45	Accelerometer-Based Mobile Device Identification System for the Realistic Environment. <i>IEEE Access</i> , 2019 , 7, 131435-131447	3.5	1
44	Interactive-Control-Model for Human-Computer Interactive System Based on Petri Nets. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 1800-1813	4.9	9
43	Heterogeneity Aware Workload Management in Distributed Sustainable Datacenters. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2019 , 30, 375-387	3.7	4
42	An Improved Mixed-Integer Programming Method to Compute Emptiable Minimal Siphons in S3PR Nets. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 2135-2140	4.8	8
41	Analyzing E-Commerce Business Process Nets via Incidence Matrix and Reduction. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 130-141	7.3	15
40	Configuration-Based Fingerprinting of Mobile Device Using Incremental Clustering. <i>IEEE Access</i> , 2018 , 6, 72402-72414	3.5	1
39	Modeling and Analysis for Mobile Computing Systems Based on Petri Nets: A Survey. <i>IEEE Access</i> , 2018 , 6, 68038-68056	3.5	3
38	A genetic algorithm based approach to transactional and QoS-aware service selection. <i>Enterprise Information Systems</i> , 2017 , 11, 339-358	3.5	9

37	Recommending Locations Based on Users' Periodic Behaviors. <i>Mobile Information Systems</i> , 2017 , 2017, 1-9	1.4	2
36	Topic-Oriented Exploratory Search Based on an Indexing Network. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 234-247	7.3	10
35	Modeling and Verification of Online Shopping Business Processes by Considering Malicious Behavior Patterns. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 647-662	4.9	26
34	Automatic Web Service Composition Based on Uncertainty Execution Effects. <i>IEEE Transactions on Services Computing</i> , 2016 , 9, 551-565	4.8	34
33	Recent Advances in Energy-Efficient Routing Protocols for Wireless Sensor Networks: A Review. <i>IEEE Access</i> , 2016 , 4, 5673-5686	3.5	104
32	Liveness Analysis of ω -Independent Petri Nets Based on New Modified Reachability Trees. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 1-12	7.3	8
31	A task scheduling strategy based on weighted round robin for distributed crawler. <i>Concurrency Computation Practice and Experience</i> , 2016 , 28, 3202-3212	1.4	1
30	Performance Evaluation of Transactional Composite Web Services. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 46, 1061-1074	7.3	4
29	A behavioral authentication method for mobile gesture against resilient user posture 2016 ,		6
28	Fully Expanded Tree for Property Analysis of One-Place-Unbounded Petri Nets. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016 , 1-12	7.3	12
27	A Transaction and QoS-Aware Service Selection Approach Based on Genetic Algorithm. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2015 , 45, 1035-1046	7.3	50
26	An Adaptive Multilevel Indexing Method for Disaster Service Discovery. <i>IEEE Transactions on Computers</i> , 2015 , 64, 2447-2459	2.5	29
25	Performance evaluation and simulation of peer-to-peer protocols for Massively Multiplayer Online Games. <i>Multimedia Tools and Applications</i> , 2015 , 74, 2763-2780	2.5	3
24	Dynamic Slicing of Petri Nets Based on Structural Dependency Graph and its Application in System Analysis. <i>Asian Journal of Control</i> , 2015 , 17, 1403-1414	1.7	6
23	Mining Multiple Periods in Event Time Sequence. <i>Lecture Notes in Computer Science</i> , 2015 , 278-288	0.9	2
22	Modeling and Validating E-Commerce Business Process Based on Petri Nets. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 327-341	7.3	49
21	Automated web service composition supporting conditional branch structures. <i>Enterprise Information Systems</i> , 2014 , 8, 121-146	3.5	32
20	Big data resource service platform for the internet financial industry. <i>Science Bulletin</i> , 2014 , 59, 5051-5058		10

19	An Indexing Network: Model and Applications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 1633-1648	7-3	9
18	Constraint-Aware Approach to Web Service Composition. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014 , 44, 770-784	7-3	44
17	An Investigation of Security Trends in Personal Wireless Networks. <i>Wireless Personal Communications</i> , 2014 , 75, 1669-1687	1-9	5
16	A Task Scheduling Strategy Based on Weighted Round-Robin for Distributed Crawler 2014 ,		5
15	PEWP: Process extraction based on word position in documents 2014 ,		1
14	Business Intelligence Security on the Clouds: Challenges, Solutions and Future Directions 2013 ,		10
13	Moments in Time: A Forensic View of Twitter 2013 ,		4
12	Design and Implementation of a Web-Service-Based Public-Oriented Personalized Health Care Platform. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013 , 43, 941-957	7-3	33
11	A Novel Method for Calculating Service Reputation. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013 , 10, 634-642	4-9	47
10	An Indexing Network Model for Information Services and Its Applications 2013 ,		2
9	A Relational Taxonomy of Services for Large Scale Service Repositories 2012 ,		8
8	Indeterminacy-aware service selection for reliable service composition. <i>Frontiers of Computer Science</i> , 2011 , 5, 26-36		2
7	Preserving Languages and Properties in Stepwise Refinement-Based Synthesis of Petri Nets. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2008 , 38, 791-801		20
6	Deadlock checking for one-place unbounded Petri nets based on modified reachability trees. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2008 , 38, 881-3		26
5	Using Petri nets to verify acyclic rule-based system. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2008 , 3, 155-161		
4	AI Planning for Web Service Automatic Composition Using Petri Nets 2007 ,		1
3	Automatic Web Service Composition Based on Logical Inference of Horn Clauses in Petri Net Models 2007 ,		3
2	GAOM: Genetic Algorithm Based Ontology Matching 2006 ,		53

1 An Ontology-based Public Transport Query System **2005**,

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