Zhijun Ding

List of Publications by Citations

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	Recent Advances in Energy-Efficient Routing Protocols for Wireless Sensor Networks: A Review. *IEEE Access*, **2016**, 4, 5673-5686	3.5	104
53	GAOM: Genetic Algorithm Based Ontology Matching **2006**,		53
52	A Transaction and QoS-Aware Service Selection Approach Based on Genetic Algorithm. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2015**, 45, 1035-1046	7.3	50
51	Modeling and Validating E-Commerce Business Process Based on Petri Nets. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 327-341	7.3	49
50	A Novel Method for Calculating Service Reputation. *IEEE Transactions on Automation Science and Engineering*, **2013**, 10, 634-642	4.9	47
49	Constraint-Aware Approach to Web Service Composition. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 770-784	7.3	44
48	Automatic Web Service Composition Based on Uncertainty Execution Effects. *IEEE Transactions on Services Computing*, **2016**, 9, 551-565	4.8	34
47	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	7.3	33
46	Automated web service composition supporting conditional branch structures. *Enterprise Information Systems*, **2014**, 8, 121-146	3.5	32
45	An Adaptive Multilevel Indexing Method for Disaster Service Discovery. *IEEE Transactions on Computers*, **2015**, 64, 2447-2459	2.5	29
44	Modeling and Verification of Online Shopping Business Processes by Considering Malicious Behavior Patterns. *IEEE Transactions on Automation Science and Engineering*, **2016**, 13, 647-662	4.9	26
43	Deadlock checking for one-place unbounded Petri nets based on modified reachability trees. *IEEE Transactions on Systems, Man, and Cybernetics*, **2008**, 38, 881-3		26
42	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		20
41	Elastic Scheduling for Microservice Applications in Clouds. *IEEE Transactions on Parallel and Distributed Systems*, **2021**, 32, 98-115	3.7	20
40	Analyzing E-Commerce Business Process Nets via Incidence Matrix and Reduction. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 130-141	7.3	15
39	An Ontology-based Public Transport Query System **2005**,		12
38	Fully Expanded Tree for Property Analysis of One-Place-Unbounded Petri Nets. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 1-12	7.3	12

37	Topic-Oriented Exploratory Search Based on an Indexing Network. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 46, 234-247	7.3	10
36	Behavior Analysis for Electronic Commerce Trading Systems: A Survey. *IEEE Access*, **2019**, 7, 108703-108728	3.5	10
35	Big data resource service platform for the internet financial industry. *Science Bulletin*, **2014**, 59, 5051-5058		10
34	Business Intelligence Security on the Clouds: Challenges, Solutions and Future Directions **2013**,		10
33	A genetic algorithm based approach to transactional and QoS-aware service selection. *Enterprise Information Systems*, **2017**, 11, 339-358	3.5	9
32	An Indexing Network: Model and Applications. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 1633-1648	7.3	9
31	Interactive-Control-Model for Human Computer Interactive System Based on Petri Nets. *IEEE Transactions on Automation Science and Engineering*, **2019**, 16, 1800-1813	4.9	9
30	An Improved Mixed-Integer Programming Method to Compute Emptiable Minimal Siphons in S3PR Nets. *IEEE Transactions on Control Systems Technology*, **2018**, 26, 2135-2140	4.8	8
29	Liveness Analysis of ω -Independent Petri Nets Based on New Modified Reachability Trees. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 1-12	7.3	8
28	A Relational Taxonomy of Services for Large Scale Service Repositories **2012**,		8
27	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	7.3	8
26	QoS-Constrained Service Selection for Networked Microservices. *IEEE Access*, **2020**, 8, 39285-39299	3.5	6
25	Dynamic Slicing of Petri Nets Based on Structural Dependency Graph and its Application in System Analysis. *Asian Journal of Control*, **2015**, 17, 1403-1414	1.7	6
24	A behavioral authentication method for mobile gesture against resilient user posture **2016**,		6
23	An Investigation of Security Trends in Personal Wireless Networks. *Wireless Personal Communications*, **2014**, 75, 1669-1687	1.9	5
22	A Task Scheduling Strategy Based on Weighted Round-Robin for Distributed Crawler **2014**,		5
21	Performance Evaluation of Transactional Composite Web Services. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 46, 1061-1074	7.3	4
20	Moments in Time: A Forensic View of Twitter **2013**,		4

19	Heterogeneity Aware Workload Management in Distributed Sustainable Datacenters. *IEEE Transactions on Parallel and Distributed Systems*, **2019**, 30, 375-387	3.7	4
18	Performance evaluation and simulation of peer-to-peer protocols for Massively Multiplayer Online Games. *Multimedia Tools and Applications*, **2015**, 74, 2763-2780	2.5	3
17	Automatic Web Service Composition Based on Logical Inference of Horn Clauses in Petri Net Models **2007**,		3
16	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	7.3	3
15	Modeling and Analysis for Mobile Computing Systems Based on Petri Nets: A Survey. *IEEE Access*, **2018**, 6, 68038-68056	3.5	3
14	. *IEEE Access*, **2020**, 8, 101035-101048	3.5	2
13	Recommending Locations Based on Users⬚Periodic Behaviors. *Mobile Information Systems*, **2017**, 2017, 1-9	1.4	2
12	An Indexing Network Model for Information Services and Its Applications **2013**,		2
11	Indeterminacy-aware service selection for reliable service composition. *Frontiers of Computer Science*, **2011**, 5, 26-36		2
10	Mining Multiple Periods in Event Time Sequence. *Lecture Notes in Computer Science*, **2015**, 278-288	0.9	2
9	Accelerometer-Based Mobile Device Identification System for the Realistic Environment. *IEEE Access*, **2019**, 7, 131435-131447	3.5	1
8	A task scheduling strategy based on weighted round robin for distributed crawler. *Concurrency Computation Practice and Experience*, **2016**, 28, 3202-3212	1.4	1
7	PEWP: Process extraction based on word position in documents **2014**,		1
6	AI Planning for Web Service Automatic Composition Using Petri Nets **2007**,		1
5	Configuration-Based Fingerprinting of Mobile Device Using Incremental Clustering. *IEEE Access*, **2018**, 6, 72402-72414	3.5	1
4	Kubernetes-Oriented Microservice Placement with Dynamic Resource Allocation. *IEEE Transactions on Cloud Computing*, **2022**, 1-1	3.3	1
3	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		
2	Variable Petri Nets for Mobility. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-14	7.3	

1   Model Checking of Variable Petri Nets by Using the Kripke Structure. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-13   7.3