

Zhijun Ding

List of Publications by Year in descending order

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62
papers

1,079
citations

566801

15
h-index

454577

30
g-index

62
all docs

62
docs citations

62
times ranked

1061
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Recent Advances in Energy-Efficient Routing Protocols for Wireless Sensor Networks: A Review. IEEE Access, 2016, 4, 5673-5686. | 2.6 | 144 |
| 2 | GAOM: Genetic Algorithm Based Ontology Matching. , 2006, , . | | 70 |
| 3 | 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 |
| 4 | 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 |
| 5 | A Novel Method for Calculating Service Reputation. IEEE Transactions on Automation Science and Engineering, 2013, 10, 634-642. | 3.4 | 56 |
| 6 | Elastic Scheduling for Microservice Applications in Clouds. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 98-115. | 4.0 | 56 |
| 7 | Constraint-Aware Approach to Web Service Composition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 770-784. | 5.9 | 53 |
| 8 | Automatic Web Service Composition Based on Uncertainty Execution Effects. IEEE Transactions on Services Computing, 2016, 9, 551-565. | 3.2 | 49 |
| 9 | 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 |
| 10 | An Adaptive Multilevel Indexing Method for Disaster Service Discovery. IEEE Transactions on Computers, 2015, 64, 2447-2459. | 2.4 | 36 |
| 11 | Automated web service composition supporting conditional branch structures. Enterprise Information Systems, 2014, 8, 121-146. | 3.3 | 35 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Behavior Analysis for Electronic Commerce Trading Systems: A Survey. IEEE Access, 2019, 7, 108703-108728. | 2.6 | 15 |
| 18 | An Ontology-based Public Transport Query System. , 2005, , . | | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | An Indexing Network: Model and Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1633-1648. | 5.9 | 14 |
| 20 | 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 |
| 21 | Topic-Oriented Exploratory Search Based on an Indexing Network. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 234-247. | 5.9 | 12 |
| 22 | 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 |
| 23 | QoS-Constrained Service Selection for Networked Microservices. IEEE Access, 2020, 8, 39285-39299. | 2.6 | 11 |
| 24 | Business Intelligence Security on the Clouds: Challenges, Solutions and Future Directions. , 2013, , . | | 10 |
| 25 | Big data resource service platform for the internet financial industry. Science Bulletin, 2014, 59, 5051-5058. | 1.7 | 10 |
| 26 | Liveness Analysis of \mathbb{P} -Independent Petri Nets Based on New Modified Reachability Trees. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-12. | 5.9 | 10 |
| 27 | A genetic algorithm based approach to transactional and QoS-aware service selection. Enterprise Information Systems, 2017, 11, 339-358. | 3.3 | 10 |
| 28 | 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 |
| 29 | Kubernetes-Oriented Microservice Placement With Dynamic Resource Allocation. IEEE Transactions on Cloud Computing, 2023, 11, 1777-1793. | 3.1 | 10 |
| 30 | A Relational Taxonomy of Services for Large Scale Service Repositories. , 2012, , . | | 9 |
| 31 | A Task Scheduling Strategy Based on Weighted Round-Robin for Distributed Crawler. , 2014, , . | | 9 |
| 32 | 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 |
| 33 | An Investigation of Security Trends in Personal Wireless Networks. Wireless Personal Communications, 2014, 75, 1669-1687. | 1.8 | 8 |
| 34 | 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 |
| 35 | A behavioral authentication method for mobile gesture against resilient user posture. , 2016, , . | | 8 |
| 36 | Heterogeneity Aware Workload Management in Distributed Sustainable Datacenters. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 375-387. | 4.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Automatic Web Service Composition Based on Logical Inference of Horn Clauses in Petri Net Models. , 2007, , . | | 7 |
| 38 | Accelerometer-Based Mobile Device Identification System for the Realistic Environment. IEEE Access, 2019, 7, 131435-131447. | 2.6 | 6 |
| 39 | Performance Evaluation of Transactional Composite Web Services. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1061-1074. | 5.9 | 5 |
| 40 | Modeling and Analysis for Mobile Computing Systems Based on Petri Nets: A Survey. IEEE Access, 2018, 6, 68038-68056. | 2.6 | 5 |
| 41 | Variable Petri Nets for Mobility. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4784-4797. | 5.9 | 5 |
| 42 | AI Planning for Web Service Automatic Composition Using Petri Nets. , 2007, , . | | 4 |
| 43 | Indeterminacy-aware service selection for reliable service composition. Frontiers of Computer Science, 2011, 5, 26-36. | 0.6 | 4 |
| 44 | Moments in Time: A Forensic View of Twitter. , 2013, , . | | 4 |
| 45 | Configuration-Based Fingerprinting of Mobile Device Using Incremental Clustering. IEEE Access, 2018, 6, 72402-72414. | 2.6 | 4 |
| 46 | 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 |
| 47 | An Indexing Network Model for Information Services and Its Applications. , 2013, , . | | 2 |
| 48 | A task scheduling strategy based on weighted round robin for distributed crawler. Concurrency Computation Practice and Experience, 2016, 28, 3202-3212. | 1.4 | 2 |
| 49 | Recommending Locations Based on Usersâ€™™ Periodic Behaviors. Mobile Information Systems, 2017, 2017, 1-9. | 0.4 | 2 |
| 50 | Vulnerability Evaluation Method for E-Commerce Transaction Systems With Unobservable Transitions. IEEE Access, 2020, 8, 101035-101048. | 2.6 | 2 |
| 51 | Mining Multiple Periods in Event Time Sequence. Lecture Notes in Computer Science, 2015, , 278-288. | 1.0 | 2 |
| 52 | Reliable Web Services Selection Using a Heuristic Algorithm. , 2010, , . | | 1 |
| 53 | Modelling and Simulation of Peer-to-Peer Overlay Network Protocols using OverSim. , 2013, , . | | 1 |
| 54 | PEWP: Process extraction based on word position in documents. , 2014, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | 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 |
| 56 | Automatic Modeling Method for PThread Programs Based on Program Dependence Net. , 2021, , . | | 1 |
| 57 | 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 |
| 58 | 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 |
| 59 | Actuated green wave control for grid-like network traffic signal coordination. , 2016, , . | | 0 |
| 60 | Designing an Interactive Control for Multi-Robots Scenes based on Petri Nets. , 2018, , . | | 0 |
| 61 | A new algorithm of generating a minimum spanning tree of a graph based on recursion. , 2014, , . | | 0 |
| 62 | Feedback-based Coarse Time-Granularity POI Recommendation and Itinerary Planning. , 2021, , . | | 0 |