

Yonggang Wen

List of Publications by Year in descending order

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253
papers

10,783
citations

70961

41
h-index

40881

93
g-index

260
all docs

260
docs citations

260
times ranked

9609
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Toward Scalable Systems for Big Data Analytics: A Technology Tutorial. IEEE Access, 2014, 2, 652-687. | 2.6 | 965 |
| 2 | A Survey on Software-Defined Networking. IEEE Communications Surveys and Tutorials, 2015, 17, 27-51. | 24.8 | 751 |
| 3 | Data Center Energy Consumption Modeling: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 732-794. | 24.8 | 695 |
| 4 | Energy-Optimal Mobile Cloud Computing under Stochastic Wireless Channel. IEEE Transactions on Wireless Communications, 2013, 12, 4569-4581. | 6.1 | 679 |
| 5 | A Survey on Consensus Mechanisms and Mining Strategy Management in Blockchain Networks. IEEE Access, 2019, 7, 22328-22370. | 2.6 | 616 |
| 6 | Cloud robotics: architecture, challenges and applications. IEEE Network, 2012, 26, 21-28. | 4.9 | 394 |
| 7 | Cloud radio access network (C-RAN): a primer. IEEE Network, 2015, 29, 35-41. | 4.9 | 374 |
| 8 | Energy-optimal mobile application execution: Taming resource-poor mobile devices with cloud clones. , 2012, , . | | 294 |
| 9 | Collaborative Task Execution in Mobile Cloud Computing Under a Stochastic Wireless Channel. IEEE Transactions on Wireless Communications, 2015, 14, 81-93. | 6.1 | 210 |
| 10 | Tensor Canonical Correlation Analysis for Multi-View Dimension Reduction. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 3111-3124. | 4.0 | 183 |
| 11 | Resource Management in Cloud Networking Using Economic Analysis and Pricing Models: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 954-1001. | 24.8 | 175 |
| 12 | QoE-Driven Cache Management for HTTP Adaptive Bit Rate Streaming Over Wireless Networks. IEEE Transactions on Multimedia, 2013, 15, 1431-1445. | 5.2 | 167 |
| 13 | A Survey on Data Center Networking (DCN): Infrastructure and Operations. IEEE Communications Surveys and Tutorials, 2017, 19, 640-656. | 24.8 | 166 |
| 14 | Toward profit-seeking virtual network embedding algorithm via global resource capacity. , 2014, , . | | 141 |
| 15 | Machine Learning: An Advanced Platform for Materials Development and State Prediction in Lithium-ion Batteries. Advanced Materials, 2022, 34, e2101474. | 11.1 | 140 |
| 16 | Cloud Mobile Media: Reflections and Outlook. IEEE Transactions on Multimedia, 2014, 16, 885-902. | 5.2 | 136 |
| 17 | DeepComfort: Energy-Efficient Thermal Comfort Control in Buildings Via Reinforcement Learning. IEEE Internet of Things Journal, 2020, 7, 8472-8484. | 5.5 | 127 |
| 18 | Multiview Vector-Valued Manifold Regularization for Multilabel Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 709-722. | 7.2 | 126 |

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| 19 | Energy-efficient scheduling policy for collaborative execution in mobile cloud computing. , 2013, , . | | 126 |
| 20 | Transforming Cooling Optimization for Green Data Center via Deep Reinforcement Learning. IEEE Transactions on Cybernetics, 2020, 50, 2002-2013. | 6.2 | 105 |
| 21 | Joint Content Replication and Request Routing for Social Video Distribution Over Cloud CDN: A Community Clustering Method. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1320-1333. | 5.6 | 93 |
| 22 | Enabling technologies for future data center networking: a primer. IEEE Network, 2013, 27, 8-15. | 4.9 | 88 |
| 23 | Efficient fault-diagnosis algorithms for all-optical WDM networks with probabilistic link failures. Journal of Lightwave Technology, 2005, 23, 3358-3371. | 2.7 | 85 |
| 24 | Algorithms and Applications for Community Detection in Weighted Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2916-2926. | 4.0 | 85 |
| 25 | JALAD: Joint Accuracy-And Latency-Aware Deep Structure Decoupling for Edge-Cloud Execution. , 2018, , . | | 84 |
| 26 | Large Margin Multi-Modal Multi-Task Feature Extraction for Image Classification. IEEE Transactions on Image Processing, 2016, 25, 414-427. | 6.0 | 80 |
| 27 | Towards Cost-Efficient Video Transcoding in Media Cloud: Insights Learned From User Viewing Patterns. IEEE Transactions on Multimedia, 2015, 17, 1286-1296. | 5.2 | 77 |
| 28 | Rapid and high capacity methane storage in clathrate hydrates using surfactant dry solution. Chemical Engineering Science, 2014, 106, 53-59. | 1.9 | 76 |
| 29 | Cost-Sensitive Feature Selection by Optimizing F-Measures. IEEE Transactions on Image Processing, 2018, 27, 1323-1335. | 6.0 | 74 |
| 30 | Optimal Transcoding and Caching for Adaptive Streaming in Media Cloud: an Analytical Approach. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1914-1925. | 5.6 | 73 |
| 31 | On the Cost-QoE Tradeoff for Cloud-Based Video Streaming Under Amazon EC2's Pricing Models. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 669-680. | 5.6 | 71 |
| 32 | Energy-Efficient Task Execution for Application as a General Topology in Mobile Cloud Computing. IEEE Transactions on Cloud Computing, 2018, 6, 708-719. | 3.1 | 69 |
| 33 | Towards name-based trust and security for content-centric network. , 2011, , . | | 68 |
| 34 | Multicolumn Bidirectional Long Short-Term Memory for Mobile Devices-Based Human Activity Recognition. IEEE Internet of Things Journal, 2016, 3, 1124-1134. | 5.5 | 67 |
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| 37 | Facial Age Estimation With Age Difference. IEEE Transactions on Image Processing, 2017, 26, 3087-3097. | 6.0 | 63 |
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| 45 | Coordinating In-Network Caching in Content-Centric Networks: Model and Analysis. , 2013, , . | | 49 |
| 46 | Information diffusion in mobile social networks: The speed perspective. , 2014, , . | | 49 |
| 47 | Dynamic Request Redirection and Elastic Service Scaling in Cloud-Centric Media Networks. IEEE Transactions on Multimedia, 2014, 16, 1434-1445. | 5.2 | 47 |
| 48 | Characterization and prediction of deep learning workloads in large-scale GPU datacenters. , 2021, , . | | 47 |
| 49 | Toward transcoding as a service: energy-efficient offloading policy for green mobile cloud. IEEE Network, 2014, 28, 67-73. | 4.9 | 46 |
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| 52 | CoDaaS: An experimental cloud-centric content delivery platform for user-generated contents. , 2012, , . | | 42 |
| 53 | An Empirical Investigation of the Impact of Server Virtualization on Energy Efficiency for Green Data Center. Computer Journal, 2013, 56, 977-990. | 1.5 | 41 |
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| 60 | DeepQoE: A Multimodal Learning Framework for Video Quality of Experience (QoE) Prediction. IEEE Transactions on Multimedia, 2020, 22, 3210-3223. | 5.2 | 36 |
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| 72 | Toward Multiscreen Social TV with Geolocation-Aware Social Sense. IEEE MultiMedia, 2014, 21, 10-19. | 1.5 | 28 |

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| 73 | Heterogeneous Multitask Metric Learning Across Multiple Domains. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4051-4064. | 7.2 | 28 |
| 74 | Optimizing Quality of Experience for Adaptive Bitrate Streaming via Viewer Interest Inference. IEEE Transactions on Multimedia, 2018, 20, 3399-3413. | 5.2 | 28 |
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| 99 | Control of Air Free-Cooled Data Centers in Tropics via Deep Reinforcement Learning. , 2019, , . | | 16 |
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| 118 | Rate-Adaptive Feedback with Bayesian Compressive Sensing in Multiuser MIMO Beamforming Systems. IEEE Transactions on Wireless Communications, 2016, , 1-1. | 6.1 | 12 |
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| 128 | FogChain: A Blockchain-Based Peer-to-Peer Solar Power Trading System Powered by Fog AI. IEEE Internet of Things Journal, 2022, 9, 5200-5215. | 5.5 | 11 |
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