

Fen Zhou

List of Publications by Year in descending order

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59
papers

1,090
citations

687363

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414414

32
g-index

59
all docs

59
docs citations

59
times ranked

1127
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | On Dynamic Service Function Chain Deployment and Readjustment. IEEE Transactions on Network and Service Management, 2017, 14, 543-553. | 4.9 | 233 |
| 2 | A survey on position-based routing protocols for Flying Ad hoc Networks (FANETs). Vehicular Communications, 2017, 10, 29-56. | 4.0 | 191 |
| 3 | Intelligent UAV-assisted routing protocol for urban VANETs. Computer Communications, 2017, 107, 93-111. | 5.1 | 139 |
| 4 | Leveraging Light Forest With Rateless Network Coding to Design Efficient All-Optical Multicast Schemes for Elastic Optical Networks. Journal of Lightwave Technology, 2015, 33, 3945-3955. | 4.6 | 63 |
| 5 | Power-Efficient Protection With Directed λ -Cycles for Asymmetric Traffic in Elastic Optical Networks. Journal of Lightwave Technology, 2016, 34, 4053-4065. | 4.6 | 42 |
| 6 | Relocation optimization of electric cars in one-way car-sharing systems: modeling, exact solving and heuristics algorithms. International Journal of Geographical Information Science, 2018, 32, 367-398. | 4.8 | 32 |
| 7 | Maximizing Lifetime of Data-Gathering Trees With Different Aggregation Modes in WSNs. IEEE Sensors Journal, 2016, 16, 8167-8177. | 4.7 | 31 |
| 8 | On the Distance Spectrum Assignment in Elastic Optical Networks. IEEE/ACM Transactions on Networking, 2017, 25, 2391-2404. | 3.8 | 30 |
| 9 | Adaptive Network Resource Optimization for Heterogeneous VLC/RF Wireless Networks. IEEE Transactions on Communications, 2018, 66, 5568-5581. | 7.8 | 29 |
| 10 | Minimizing Blocking Probability for the Multicast Routing and Wavelength Assignment Problem in WDM Networks: Exact Solutions and Heuristic Algorithms. Journal of Optical Communications and Networking, 2015, 7, 36. | 4.8 | 23 |
| 11 | Analysis Framework of RSA Algorithms in Elastic Optical Rings. Journal of Lightwave Technology, 2019, 37, 1113-1122. | 4.6 | 23 |
| 12 | Disaster Protection in Inter-DataCenter Networks Leveraging Cooperative Storage. IEEE Transactions on Network and Service Management, 2021, 18, 2598-2611. | 4.9 | 16 |
| 13 | Distance-adaptive, Low CAPEX Cost λ -Cycle Design Without Candidate Cycle Enumeration in Mixed-Line-Rate Optical Networks. Journal of Lightwave Technology, 2016, 34, 2663-2676. | 4.6 | 15 |
| 14 | Avoidance of multicast incapable branching nodes for multicast routing in WDM networks. Photonic Network Communications, 2009, 18, 378-392. | 2.7 | 13 |
| 15 | Cost Bounds and Approximation Ratios of Multicast Light-Trees in WDM Networks. Journal of Optical Communications and Networking, 2011, 3, 323. | 4.8 | 12 |
| 16 | Minimizing server throughput for low-delay live streaming in content delivery networks. , 2012, , . | | 12 |
| 17 | Is Light-Tree Structure Optimal for Multicast Routing in Sparse Light Splitting WDM Networks?. , 2009, , . | | 11 |
| 18 | Leveraging Spectrum Sharing and Defragmentation to λ -Cycle Design in Elastic Optical Networks. IEEE Communications Letters, 2017, 21, 508-511. | 4.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Joint Optimization for Multicast Provisioning in Mixed-Line-Rate Optical Networks With a Column Generation Approach. <i>Journal of Lightwave Technology</i> , 2018, 36, 637-649. | 4.6 | 10 |
| 20 | Disaster-Resilient Service Function Chain Embedding Based on Multi-Path Routing. , 2021, , . | | 10 |
| 21 | Joint Optimization for the Delivery of Multiple Video Channels in Telco-CDNs. <i>IEEE Transactions on Network and Service Management</i> , 2015, 12, 87-100. | 4.9 | 9 |
| 22 | A distributed time-limited multicast algorithm for VANETs using incremental power strategy. <i>Computer Networks</i> , 2018, 145, 141-155. | 5.1 | 9 |
| 23 | Distance priority based multicast routing in WDM networks considering sparse light splitting. , 2008, , . | | 8 |
| 24 | Robust geocast routing protocols for safety and comfort applications in VANETs. <i>Wireless Communications and Mobile Computing</i> , 2016, 16, 1317-1333. | 1.2 | 8 |
| 25 | Interference-and-security-aware distance spectrum assignment in Elastic Optical Networks. , 2016, , . | | 8 |
| 26 | Dynamic network resource optimization in hybrid VLC and radio frequency networks. , 2017, , . | | 8 |
| 27 | Optimisation using Natural Language Processing: Personalized Tour Recommendation for Museums. , 0, , . | | 6 |
| 28 | Minimizing energy and link utilization in ISP backbone networks with multi-path routing: a bi-level approach. <i>Optimization Letters</i> , 2020, 14, 209-227. | 1.6 | 6 |
| 29 | On Virtual Network Embedding: Paths and Cycles. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 1487-1500. | 4.9 | 6 |
| 30 | On the Bilevel Optimization to Design Control Plane for SDONs in Consideration of Planned Physical-Layer Attacks. <i>IEEE Transactions on Network and Service Management</i> , 2021, 18, 3221-3230. | 4.9 | 6 |
| 31 | Grey model and polynomial regression for identifying malicious nodes in MANETs. , 2014, , . | | 5 |
| 32 | Personalized sightseeing tours: a model for visits in art museums. <i>International Journal of Geographical Information Science</i> , 2017, 31, 591-616. | 4.8 | 5 |
| 33 | Disaster-Resilient Cloud Services Provisioning in Elastic Optical Inter-Data Center Networks. , 2019, , . | | 5 |
| 34 | Disaster-Resilient and Distance-Adaptive Services Provisioning in Elastic Optical Inter-Data Center Networks. <i>Journal of Lightwave Technology</i> , 2022, 40, 4064-4077. | 4.6 | 5 |
| 35 | EVAL Cane: Nonintrusive Monitoring Platform With a Novel Gait-Based User-Identification Scheme. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-15. | 4.7 | 4 |
| 36 | Security-Aware Planning of Packet-Over-Optical Networks in Consideration of OTN Encryption. <i>IEEE Transactions on Network and Service Management</i> , 2021, 18, 3209-3220. | 4.9 | 4 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Avoidance of multicast incapable branching nodes for multicast routing in WDM networks. , 2008, , . | | 3 |
| 38 | Hypo-Steiner heuristic for multicast routing in all-optical WDM mesh networks. Photonic Network Communications, 2010, 20, 33-42. | 2.7 | 3 |
| 39 | Power Optimal Design of Multicast Light-Trees in WDM Networks. IEEE Communications Letters, 2011, 15, 1240-1242. | 4.1 | 3 |
| 40 | Novel geocast routing protocols for Safety and Comfort Applications in VANets. , 2013, , . | | 3 |
| 41 | QoS-aware multicast provisioning using column generation in mixed-line-rate optical networks. , 2016, , . | | 3 |
| 42 | Energy-efficient node position identification through payoff matrix and variability analysis. Telecommunication Systems, 2017, 65, 459-477. | 2.5 | 3 |
| 43 | On two new formulations for the fixed charge network design problem with shortest path constraints. Computers and Operations Research, 2019, 108, 226-237. | 4.0 | 3 |
| 44 | On Virtual Network Embedding: Paths and Cycles. , 2019, , . | | 3 |
| 45 | NLOS-Aware VLC-based Indoor Localization: Algorithm Design and Experimental Validation. , 2020, , . | | 3 |
| 46 | A Tabu Search Optimization for Multicast Provisioning in Mixed-Line-Rate Optical Networks. Lecture Notes in Computer Science, 2014, , 14-25. | 1.3 | 3 |
| 47 | Throughput Maximization Leveraging Just-Enough SNR Margin and Channel Spacing Optimization. Journal of Lightwave Technology, 2022, 40, 4078-4093. | 4.6 | 3 |
| 48 | Network Planning with Bilevel optimization to Address Attacks to Physical Infrastructure of SDN. , 2020, , . | | 2 |
| 49 | Supporting multipoint-to-point communications in all-optical WDM networks. , 2009, , . | | 1 |
| 50 | All-optical multipoint-to-point routing in WDM mesh networks. Annales Des Telecommunications/Annals of Telecommunications, 2011, 66, 91-101. | 2.5 | 1 |
| 51 | Spectrum Management in Elastic Optical Networks: Perspectives of Topology, Traffic and Routing. , 2019, , . | | 1 |
| 52 | Spectrum management in elastic optical networks: perspectives of topology, traffic and routing. , 2019, , . | | 1 |
| 53 | Maximizing Revenue with Adaptive Modulation and Multiple FEC in Flexible Optical Networks. , 2019, , . | | 1 |
| 54 | Cost Bounds of Multicast Light-Trees in WDM Networks. Lecture Notes in Computer Science, 2010, , 339-350. | 1.3 | 1 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Quality-of-experience-oriented network selection for indoor VLC heterogeneous networks. , 2020, , . | | 1 |
| 56 | Approximation Ratios of Multicast Light-Trees in WDM Networks. , 2010, , . | | 0 |
| 57 | Spectrum Shared p-Cycle Design in Elastic Optical Networks with/without Spectrum Conversion Capabilities. Static and Dynamic Game Theory: Foundations and Applications, 2017, , 147-157. | 0.6 | 0 |
| 58 | Revenue Maximization Leveraging Elastic Service Provisioning in Flexible Optical Networks. , 2021, , . | | 0 |
| 59 | Quality of Experience for Personalized Sightseeing Tours: Studies and Proposition for an Evaluation Method. Lecture Notes in Computer Science, 2017, , 380-395. | 1.3 | 0 |