Distributed Mobile Sink Routing for Wireless Sensor Ne

IEEE Communications Surveys and Tutorials 16, 877-897 DOI: 10.1109/surv.2013.100113.00293

Citation Report

| N DEDC | דתר |
|--------|-----|

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A GPS-less on-demand mobile sink-assisted data collection in wireless sensor networks. , 2014, , . | | 2 |
| 2 | On the MAC/Network/Energy Performance Evaluation of Wireless Sensor Networks: Contrasting MPH, AODV, DSR and ZTR Routing Protocols. Sensors, 2014, 14, 22811-22847. | 2.1 | 18 |
| 3 | A particle swarm algorithm based routing recovery method for mobile sink wireless sensor networks. , 2014, , . | | 2 |
| 4 | Compressive and collaborative mobile sensing for scalar field mapping in robotic networks. , 2015, , . | | 12 |
| 5 | Improving routing in wireless sensor networks having mobile sinks through fuzzy algorithm. , 2015, , . | | 1 |
| 6 | Network Lifetime Maximization in Wireless Sensor Networks with a Path-Constrained Mobile Sink. International Journal of Distributed Sensor Networks, 2015, 11, 679093. | 1.3 | 5 |
| 7 | Wireless energy harvesting for the Internet of Things. , 2015, 53, 102-108. | | 511 |
| 8 | Compressive and cooperative sensing in distributed mobile sensor networks. , 2015, , . | | 11 |
| 9 | Exploitation by Informed Exploration between Isolated Operatives for information-theoretic data harvesting. , 2015, , . | | 4 |
| 10 | A Hexagonal Grid Based Sink Relocation Method in Wireless Sensor Networks. , 2015, , . | | 1 |
| 11 | A session protocol for wireless sensor networks. Application to oil spills monitoring. Computers and Electrical Engineering, 2015, 48, 312-329. | 3.0 | 2 |
| 12 | Adaptive Algorithms for Autonomous Data-Ferrying in Nonstationary Environments. , 2015, , . | | 1 |
| 13 | Energy efficient cluster based approach for data collection in wireless sensor networks with multiple mobile sink. , 2015, , . | | 14 |
| 14 | Atypical Hierarchical Routing Protocols for Wireless Sensor Networks: A Review. IEEE Sensors Journal, 2015, 15, 5372-5383. | 2.4 | 185 |
| 15 | Dellat: Delivery Latency Minimization in Wireless Sensor Networks with Mobile Sink. Journal of Parallel and Distributed Computing, 2015, 83, 133-142. | 2.7 | 35 |
| 17 | Optimal Base Station Mobility Patterns for Wireless Sensor Network Lifetime Maximization. IEEE Sensors Journal, 2015, 15, 6592-6603. | 2.4 | 43 |
| 18 | Delivery latency minimization in wireless sensor networks with mobile sink. , 2015, , . | | 10 |
| 19 | Core network supported multicast routing protocol for wireless sensor networks. IET Wireless Sensor Systems, 2015, 5, 175-182. | 1.3 | 17 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 20 | A Tree-Cluster-Based Data-Gathering Algorithm for Industrial WSNs With a Mobile Sink. IEEE Access, 2015, 3, 381-396. | 2.6 | 191 |
| 21 | Random sampling in collaborative and distributed mobile sensor networks utilizing compressive sensing for scalar field mapping. , 2015, , . | | 11 |
| 22 | Ring Routing: An Energy-Efficient Routing Protocol for Wireless Sensor Networks with a Mobile Sink. IEEE Transactions on Mobile Computing, 2015, 14, 1947-1960. | 3.9 | 179 |
| 23 | Discrete Particle Swarm Optimization Routing Protocol for Wireless Sensor Networks with Multiple Mobile Sinks. Sensors, 2016, 16, 1081. | 2.1 | 12 |
| 24 | Link Investigation of IEEE 802.15.4 Wireless Sensor Networks in Forests. Sensors, 2016, 16, 987. | 2.1 | 14 |
| 25 | Sink Mobility based energy efficient algorithm to improve the network lifetime. , 2016, , . | | 0 |
| 26 | Starfish Routing for Wireless Sensor Networks with a mobile sink. , 2016, , . | | 7 |
| 27 | Compressive wireless mobile sensing for data collection in sensor networks. , 2016, , . | | 6 |
| 28 | A Clue Based Data Collection Routing Protocol for Mobile Sensor Networks. IEEE Access, 2016, 4, 8476-8486. | 2.6 | 7 |
| 29 | Loss recovery scheme using adaptive data collector node (ADCN) in wireless sensor network. , 2016, , . | | 0 |
| 30 | An efficient mobile sink routing in wireless sensor network using dynamic steiner tree. , 2016, , . | | 4 |
| 31 | Scalable M2M routing protocol for energy efficient IoT wireless applications. , 2016, , . | | 2 |
| 32 | Multi-Robot Patrolling in Wireless Sensor Networks Using Bounded Cycle Coverage. , 2016, , . | | 6 |
| 33 | A survey of optimization algorithms for wireless sensor network lifetime maximization. Computers and Industrial Engineering, 2016, 101, 145-166. | 3.4 | 84 |
| 34 | Optimization of delay of data delivery in Wireless Sensor Network using Genetic Algorithm. , 2016, , . | | 8 |
| 35 | A review on sink mobility aware fast and efficient data gathering in wireless sensor networks. , 2016, , · | | 5 |
| 36 | Advances on localization techniques for wireless sensor networks: A survey. Computer Networks, 2016, 110, 284-305. | 3.2 | 133 |
| 37 | A Look at the Recent Wireless Positioning Techniques With a Focus on Algorithms for Moving Receivers. IEEE Access, 2016, 4, 6652-6680. | 2.6 | 95 |

| # | Article | IF | Citations |
|----|---|------|-----------|
| 38 | Recent Advances in Energy-Efficient Routing Protocols for Wireless Sensor Networks: A Review. IEEE Access, 2016, 4, 5673-5686. | 2.6 | 144 |
| 39 | Optimal Data Collection in Hybrid Energy-Harvesting Sensor Networks. Lecture Notes in Computer Science, 2016, , 239-252. | 1.0 | 1 |
| 40 | A Survey of various Sink Mobility based Techniques in Wireless Sensor Network. , 2016, , . | | 1 |
| 41 | A delay-bound efficient path design algorithm for mobile sink in wireless sensor networks. , 2016, , . | | 15 |
| 42 | A ring-based bidirectional routing protocol for wireless sensor network with mobile sinks. , 2016, , . | | 1 |
| 43 | A low energy consumption routing protocol for mobile sensor networks with a path-constrained mobile sink. , 2016, , . | | 17 |
| 44 | OSEECH: Optimize scalable energy efficient clustering hierarchy protocol in wireless sensor networks. , 2016, , . | | 4 |
| 45 | A Cooperation-Based Routing Algorithm in Mobile Opportunistic Networks. , 2016, , . | | 0 |
| 46 | An Energy-Efficient Hybrid Routing Method for Wireless Sensor Networks with Mobile Sink. Wireless Personal Communications, 2016, 90, 2001-2015. | 1.8 | 8 |
| 47 | Adaptive Relay Chain Routing With Load Balancing and High Energy Efficiency. IEEE Sensors Journal, 2016, 16, 5826-5836. | 2.4 | 18 |
| 48 | The Evolution of Sink Mobility Management in Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 507-524. | 24.8 | 146 |
| 49 | Optimizing the Lifetime of Sensor Networks with Uncontrollable Mobile Sinks and QoS Constraints. ACM Transactions on Sensor Networks, 2016, 12, 1-31. | 2.3 | 15 |
| 50 | A Survey on Mobile Anchor Node Assisted Localization in Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2016, 18, 2220-2243. | 24.8 | 370 |
| 51 | Wireless sensor network design by lifetime maximisation: an empirical evaluation of integrating major design issues and sink mobility. International Journal of Sensor Networks, 2016, 20, 131. | 0.2 | 17 |
| 52 | A Survey of Channel Bonding for Wireless Networks and Guidelines of Channel Bonding for Futuristic Cognitive Radio Sensor Networks. IEEE Communications Surveys and Tutorials, 2016, 18, 924-948. | 24.8 | 119 |
| 53 | RaWPC: A Data Retrieval Protocol in Micro-Sensor Networks Based on Random Walk and Pull Gossip for Communicating Materials. IEEE Internet of Things Journal, 2017, 4, 414-426. | 5.5 | 3 |
| 54 | An Architecture for SDN Based Sensor Networks. , 2017, , . | | 11 |
| 55 | Minimum spanning tree–based delayâ€aware mobile sink traversal in wireless sensor networks. International Journal of Communication Systems, 2017, 30, e3270. | 1.6 | 12 |

IF ARTICLE CITATIONS # Virtual Grid based energy efficient mobile sink routing algorithm for WSN., 2017,,. 9 56 LBRR: Load Balanced Ring Routing Protocol for Heterogeneous Sensor Networks with Sink Mobility., 2017,,. Sink-Based Centralized Transmission Scheduling by Using Asymmetric Communication and Wake-Up 58 4 Radio., 2017, , . Energy-Efficient Algorithm to Construct the Information Potential Field in WSNs. IEEE Sensors 59 2.4 Journal, 2017, 17, 3822-3831. A Novel Queen Honey Bee Migration (QHBM) Algorithm for Sink Repositioning in Wireless Sensor 60 1.8 15 Network. Wireless Personal Communications, 2017, 95, 3209-3232. Energy efficient path selection for mobile sink and data gathering in wireless sensor networks. AEU - International Journal of Electronics and Communications, 2017, 73, 110-118. 1.7 108 Survey and systematic mapping of industrial Wireless Sensor Networks. Journal of Network and Computer Applications, 2017, 97, 96-125. 62 5.8 74 Lifetime-Aware Data Collection Using a Mobile Sink in WSNs with Unreachable Regions., 2017,,. 64 Design and modeling of energy efficient WSN architecture for tactical applications., 2017,,. 2 Minimizing maximum cost in task coverage problem with multiple mobile sensors: A heuristic approach based on all-pairs shortest path. International Journal of Distributed Sensor Networks, 2017, 13, 1.3 155014771774126. Routing Protocols Based on Ant Colony Optimization in Wireless Sensor Networks: A Survey. IEEE 66 2.6 67 Access, 2017, 5, 26303-26317. I-UMDPC: The Improved-Unusual Message Delivery Path Construction for Wireless Sensor Networks With Mobile Sinks. IEEE Internet of Things Journal, 2017, 4, 1528-1536. Energy-efficient routing for mobile data collectors in wireless sensor networks with obstacles. 68 2.6 42 Peer-to-Peer Networking and Applications, 2017, 10, 472-483. VD-PSO: An efficient mobile sink routing algorithm in wireless sensor networks. Peer-to-Peer Networking and Applications, 2017, 10, 537-546. 2.6 A comprehensive study of RPL and P2P-RPL routing protocols: Implementation, challenges and 70 2.6 56 opportunities. Peer-to-Peer Networking and Applications, 2017, 10, 1232-1256. System-Level Energy Balance for Maximizing Network Lifetime in WSNs. IEEE Access, 2017, 5, 20046-20057. 2.6 Optimal Mobility Patterns of Multiple Base Stations for Wireless Sensor Network Lifetime 72 2.4 25 Maximization. IEEE Sensors Journal, 2017, 17, 7177-7188. A performance analysis of backbone structures for static sink based Starfish routing in WSN., 2017, , .

CITATION REPORT

| | Сітатіо | n Report | |
|----|--|----------|-----------|
| # | ARTICLE Towards OoE named content-centric wireless multimedia sensor networks with mobile sinks 2017 | IF | Citations |
| 75 | Mobileâ€agentâ€based distributed variational Bayesian algorithm for density estimation in sensor networks. IET Science, Measurement and Technology, 2017, 11, 861-870. | 0.9 | 3 |
| 76 | A Critical Review of Surveys Emphasizing on Routing in Wireless Sensor Networks—An Anatomization under General Survey Design Framework. Sensors, 2017, 17, 1713. | 2.1 | 10 |
| 77 | Trail-Based Search for Efficient Event Report to Mobile Actors in Wireless Sensor and Actor Networks. Sensors, 2017, 17, 2468. | 2.1 | 4 |
| 78 | A Comprehensive Survey on Hierarchical-Based Routing Protocols for Mobile Wireless Sensor Networks: Review, Taxonomy, and Future Directions. Wireless Communications and Mobile Computing, 2017, 2017, 1-23. | 0.8 | 104 |
| 79 | Sensor data distribution and knowledge inference framework for a cognitive-based distributed storage sink environment. International Journal of Sensor Networks, 2018, 26, 26. | 0.2 | 6 |
| 80 | Unicast QoS Routing Algorithms for SDN: A Comprehensive Survey and Performance Evaluation. IEEE Communications Surveys and Tutorials, 2018, 20, 388-415. | 24.8 | 121 |
| 81 | A multi-objective and PSO based energy efficient path design for mobile sink in wireless sensor networks. Pervasive and Mobile Computing, 2018, 46, 122-136. | 2.1 | 76 |
| 82 | Building a Sustainable Internet of Things: Energy-Efficient Routing Using Low-Power Sensors Will Meet the Need. IEEE Consumer Electronics Magazine, 2018, 7, 42-49. | 2.3 | 52 |
| 83 | Collaborative and Compressed Mobile Sensing for Data Collection in Distributed Robotic Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 1729-1740. | 2.4 | 34 |
| 84 | Location of Things (LoT): A Review and Taxonomy of Sensors Localization in IoT Infrastructure. IEEE Communications Surveys and Tutorials, 2018, 20, 2028-2061. | 24.8 | 153 |
| 85 | Mobility-aware medium access control protocols for wireless sensor networks: A survey. Journal of Network and Computer Applications, 2018, 104, 21-37. | 5.8 | 44 |
| 86 | Toward hybrid RPL based IoT sensing for smart city. , 2018, , . | | 5 |
| 87 | A comprehensive survey on the reliability of mobile wireless sensor networks: Taxonomy, challenges, and future directions. Information Fusion, 2018, 44, 188-204. | 11.7 | 115 |
| 88 | Mobile agents-based data aggregation in WSNs: benchmarking itinerary planning approaches. Wireless Networks, 2018, 24, 2111-2132. | 2.0 | 8 |
| 89 | Sink-oriented tree based data dissemination protocol for mobile sinks wireless sensor networks. Wireless Networks, 2018, 24, 2723-2734. | 2.0 | 29 |
| 90 | BRPL: Backpressure RPL for High-Throughput and Mobile IoTs. IEEE Transactions on Mobile Computing, 2018, 17, 29-43. | 3.9 | 78 |
| 91 | A load balanced location service for location information management of multi-sink Wireless Sensor Networks. Computing (Vienna/New York), 2018, 100, 93-117. | 3.2 | 8 |

| _ | | | _ | | |
|---|-----|-----|-----|-----|-------|
| C | | ION | Dr | DO | DT |
| | пап | | IVL | .PO | INC I |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 92 | Reinforcement Based Optimal Routing Algorithm for Multiple Sink Based Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2018, , 481-490. | 0.5 | 1 |
| 93 | A virtual uneven grid-based routing protocol for mobile sink-based WSNs in a smart home system. Personal and Ubiquitous Computing, 2018, 22, 111-120. | 1.9 | 10 |
| 94 | Energy-Aware Distribution of Data Fragments in Unattended Wireless Sensor Networks. , 2018, , . | | 3 |
| 95 | Coverage Problems in WSN: A Survey and Open Issues. , 2018, , . | | 1 |
| 96 | Intelligent Path Discovery for a Mobile Sink in Wireless Sensor Network. Procedia Computer Science, 2018, 143, 749-756. | 1.2 | 11 |
| 97 | A Type of Annulus-Based Energy Balanced Data Collection Method in Wireless Rechargeable Sensor Networks. Sensors, 2018, 18, 3150. | 2.1 | 3 |
| 98 | Optimized Path for Traversal of Mobile Sink in Heterogeneous Wireless Sensor Networks. , 2018, , . | | 1 |
| 99 | A Swarm Intelligence Based Clustering Technique with Scheduling for the Amelioration of Lifetime in Sensor Networks. Wireless Personal Communications, 2018, 103, 3189-3207. | 1.8 | 3 |
| 100 | An annulus sector grid aided energy-efficient multi-hop routing protocol for wireless sensor networks. Computer Networks, 2018, 147, 38-48. | 3.2 | 23 |
| 101 | Secured algorithm for routing the military field data using Dynamic Sink: WSN. , 2018, , . | | 5 |
| 102 | Achieving Efficient Data Collection in Heterogeneous Sensing WSNs. IEEE Access, 2018, 6, 63187-63199. | 2.6 | 13 |
| 103 | Distributed trajectory design for data gathering using mobile sink in wireless sensor networks. AEU - International Journal of Electronics and Communications, 2018, 96, 1-12. | 1.7 | 36 |
| 104 | Devising Mobile Sensing and Actuation Infrastructure with Drones. Sensors, 2018, 18, 624. | 2.1 | 18 |
| 105 | Implementation of Hybrid Routing Protocols in Wireless Sensor Networks. , 2018, , . | | 1 |
| 106 | Building Scalable Cyber-Physical-Social Networking Infrastructure Using IoT and Low Power Sensors. IEEE Access, 2018, 6, 30162-30173. | 2.6 | 44 |
| 107 | GCRP: Grid-cycle routing protocol for wireless sensor network with mobile sink. AEU - International Journal of Electronics and Communications, 2018, 94, 1-11. | 1.7 | 31 |
| 108 | Classical and bio-inspired mobility in sensor networks for IoT applications. Journal of Network and Computer Applications, 2018, 121, 70-88. | 5.8 | 34 |
| 109 | Real-Time Data Retrieval With Multiple Availability Intervals in CPS Under Freshness Constraints. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 2743-2754. | 1.9 | 5 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 110 | Energy-Efficient Region Shift Scheme to Support Mobile Sink Group in Wireless Sensor Networks. Sensors, 2018, 18, 90. | 2.1 | 2 |
| 111 | Energy-Efficient Data Collection Method for Sensor Networks by Integrating Asymmetric Communication and Wake-Up Radio. Sensors, 2018, 18, 1121. | 2.1 | 12 |
| 112 | An analytical model for deploying mobile sinks in industrial Internet of Things. , 2018, , . | | 4 |
| 113 | Proactive data routing using controlled mobility of a mobile sink in Wireless Sensor Networks. Computers and Electrical Engineering, 2018, 70, 21-36. | 3.0 | 34 |
| 114 | Improving reporting delay and lifetime of a WSN using controlled mobile sinks. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 1433-1441. | 3.3 | 29 |
| 115 | Development of Field Sensor Network System with Infrared Radiation Sensors. Smart Innovation, Systems and Technologies, 2019, , 74-83. | 0.5 | 2 |
| 116 | Efficient Data Collection Using Dynamic Mobile Sink in Wireless Sensor Network. Lecture Notes in Electrical Engineering, 2019, , 141-149. | 0.3 | 8 |
| 117 | Delay aware energy efficient reliable routing for data transmission in heterogeneous mobile sink wireless sensor network. Journal of Network and Computer Applications, 2019, 144, 118-137. | 5.8 | 36 |
| 118 | Energy-Efficient Data-Collection with Rendezvous-Based Approaches in Large-Scale WSNs with Multi-UGV. Lecture Notes in Computer Science, 2019, , 345-357. | 1.0 | 0 |
| 119 | Delay-Tolerant Rendezvous-Based Data Collection for Target Tracking in Large-Scale Wireless Sensor Networks with UGV. Lecture Notes in Computer Science, 2019, , 332-344. | 1.0 | 1 |
| 120 | Efficient Energy Supply Using Mobile Charger for Solar-Powered Wireless Sensor Networks. Sensors, 2019, 19, 2679. | 2.1 | 7 |
| 121 | Ant colony optimization algorithm based on mobile sink data collection in industrial wireless sensor networks. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, . | 1.5 | 22 |
| 122 | Low Energy Sensor Data Collection using Unmanned Aerial Vehicles. , 2019, , . | | 4 |
| 123 | In-network data storage protocols for wireless sensor networks: A state-of-the-art survey. International Journal of Distributed Sensor Networks, 2019, 15, 155014771983248. | 1.3 | 6 |
| 124 | Building Reliable Routing Infrastructure for Green IoT Network. IEEE Access, 2019, 7, 129892-129909. | 2.6 | 54 |
| 125 | RCER: Reliable Cluster-based Energy-aware Routing protocol for heterogeneous Wireless Sensor Networks. PLoS ONE, 2019, 14, e0222009. | 1.1 | 20 |
| 126 | Efficient Location Service for a Mobile Sink in Solar-Powered Wireless Sensor Networks. Sensors, 2019, 19, 272. | 2.1 | 9 |
| 127 | Travel Route Planning with Optimal Coverage in Difficult Wireless Sensor Network Environment. Sensors, 2019, 19, 1838. | 2.1 | 15 |

ARTICLE IF CITATIONS # An Energy Efficient Scheme for IoT (EES4IoT)., 2019,,. 128 1 129 Using Aerial Unmanned Vehicles for Data Gathering in Wireless Sensor Networks., 2019, , . Energy-Efficient Trajectory Planning Algorithm Based on Multi-Objective PSO for the Mobile Sink in 130 2.6 51 Wireless Sensor Networks. IEEE Access, 2019, 7, 176204-176217. Energy-Efficient Data Collection by Mobile Sink in Wireless Sensor Networks., 2019,,. 131 Towards Ultra-Reliable Low-Latency Underwater Optical Wireless Communications., 2019,,. 132 11 Data gathering maximisation for wireless sensor networks with a mobile sink. International Journal 0.3 of Ad Hoc and Ubiquitous Computing, 2019, 32, 224. Mobility Aware Duty Cycling Algorithm (MADCAL) A Dynamic Communication Threshold for Mobile 134 7 2.1 Sink in Wireless Sensor Network. Sensors, 2019, 19, 4930. Mobility Aware Duty Cycling Algorithm (MADCAL) in Wireless Sensor Network with Mobile Sink Node. Integration of a Mobile Node into a Hybrid Wireless Sensor Network for Urban Environments. 136 2.1 7 Sensors, 2019, 19, 215. Scatternet Formation Protocol for Environmental Monitoring in a Smart Garden. Network Protocols 1.0 and Algorithms, 2019, 10, 63. A survey on location privacy protection in Wireless Sensor Networks. Journal of Network and 138 5.8 56 Computer Applications, 2019, 125, 93-114. Mobile robots in wireless sensor networks: A survey on tasks. Computer Networks, 2019, 148, 1-19. 3.2 Optimal data collection in wireless sensor networks with correlated energy harvesting. Annales Des 140 1.6 5 Telecommunications/Annals of Telecommunications, 2019, 74, 299-310. QDVGDD: Query-Driven Virtual Grid based Data Dissemination for wireless sensor networks using 141 single mobile sink. Wireless Networks, 2019, 25, 241-253. Sustainable and Efficient Data Collection in Cognitive Radio Sensor Networks. IEEE Transactions on 142 2.2 15 Sustainable Computing, 2019, 4, 29-38. Contrast for QOS based clustered energy efficient protocol with PSO and multi-hop gateways in 143 wireless sensor network. Cluster Computing, 2019, 22, 11883-11890. Sustainable and Efficient Data Collection from WSNs to Cloud. IEEE Transactions on Sustainable 144 2.248 Computing, 2019, 4, 252-262. Intertwined localization and error-resilient geographic routing for mobile wireless sensor 145 networks. Wireless Networks, 2020, 26, 1731-1753.

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 146 | Latency-Aware Path Planning for Disconnected Sensor Networks With Mobile Sinks. IEEE Transactions on Industrial Informatics, 2020, 16, 350-361. | 7.2 | 46 |
| 147 | A review on rendezvous based data acquisition methods in wireless sensor networks with mobile sink. Wireless Networks, 2020, 26, 2639-2663. | 2.0 | 23 |
| 148 | Efficient Green Protocols for Sustainable Wireless Sensor Networks. IEEE Transactions on Sustainable Computing, 2020, 5, 61-80. | 2.2 | 33 |
| 149 | Heuristic data dissemination for mobile sink networks. Wireless Networks, 2020, 26, 479-493. | 2.0 | 6 |
| 150 | FRCA: A Novel Flexible Routing Computing Approach for Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2020, 19, 2623-2639. | 3.9 | 19 |
| 151 | Design and evaluation of an LQI-based beaconless routing protocol for a heterogeneous MSN. Wireless Networks, 2020, 26, 699-721. | 2.0 | 6 |
| 152 | Data Collection and Path Determination Strategies for Mobile Sink in 3D WSNs. IEEE Sensors Journal, 2020, 20, 2224-2233. | 2.4 | 67 |
| 153 | Solar-CTP: An Enhanced CTP for Solar-Powered Wireless Sensor Networks. IEEE Access, 2020, 8, 127142-127155. | 2.6 | 4 |
| 154 | An energy efficient and load balanced sink mobility for wireless sensor networks. International Journal of Information and Communication Technology, 2020, 17, 65. | 0.1 | 1 |
| 155 | Hybrid RPL-based sensing and routing protocol for smart city. International Journal of Pervasive Computing and Communications, 2020, 16, 279-306. | 1.1 | 7 |
| 156 | Multi-hop Data Fragmentation in Energy Harvesting Wireless Sensor Networks. , 2020, , . | | 1 |
| 157 | A New Mobility Aware Duty Cycling and Dynamic Preambling Algorithm for Wireless Sensor Network. , 2020, , . | | 2 |
| 158 | Delay aware energy-efficient opportunistic node selection in restricted routing. Computer Networks, 2020, 181, 107536. | 3.2 | 4 |
| 159 | Tuft: Tree Based Heuristic Data Dissemination for Mobile Sink Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2022, 21, 1520-1536. | 3.9 | 14 |
| 160 | No Soldiers Left Behind: An IoT-Based Low-Power Military Mobile Health System Design. IEEE Access, 2020, 8, 201498-201515. | 2.6 | 22 |
| 161 | Heuristic mobile data gathering for wireless sensor networks via trajectory control. International Journal of Distributed Sensor Networks, 2020, 16, 155014772090705. | 1.3 | 5 |
| 162 | Enhancement of network lifetime using fuzzy clustering and multidirectional routing for wireless sensor networks. Soft Computing, 2020, 24, 11805-11818. | 2.1 | 12 |
| 163 | Energy-efficient sensing in robotic networks. Measurement: Journal of the International Measurement Confederation, 2020, 158, 107708. | 2.5 | 15 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 164 | Swarm-Intelligence-Based Rendezvous Selection via Edge Computing for Mobile Sensor Networks. IEEE Internet of Things Journal, 2020, 7, 9471-9480. | 5.5 | 18 |
| 165 | Trust based energy efficient data collection with unmanned aerial vehicle in edge network. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3942. | 2.6 | 79 |
| 166 | Artificial Intelligence-Empowered Path Selection: A Survey of Ant Colony Optimization for Static and Mobile Sensor Networks. IEEE Access, 2020, 8, 71497-71511. | 2.6 | 14 |
| 167 | A secure authentication scheme framework for mobile-sinks used in the Internet of Drones applications. Computer Communications, 2020, 155, 143-149. | 3.1 | 78 |
| 168 | Objective-Variable Tour Planning for Mobile Data Collection in Partitioned Sensor Networks. IEEE Transactions on Mobile Computing, 2020, , 1-1. | 3.9 | 44 |
| 169 | Energy-Efficient Cluster Management Using a Mobile Charger for Solar-Powered Wireless Sensor Networks. Sensors, 2020, 20, 3668. | 2.1 | 12 |
| 170 | EGRPM: Energy efficient geographic routing protocol based on mobile sink in wireless sensor networks. Sustainable Computing: Informatics and Systems, 2020, 25, 100377. | 1.6 | 37 |
| 171 | Data gathering via mobile sink in WSNs using game theory and enhanced ant colony optimization. Wireless Networks, 2020, 26, 2983-2998. | 2.0 | 40 |
| 172 | An Approach to Optimize Homogeneous and Heterogeneous Routing Protocols in WSN Using Sink Mobility. Mapan - Journal of Metrology Society of India, 2020, 35, 241-250. | 1.0 | 12 |
| 173 | Mobility based network lifetime in wireless sensor networks: A review. Computer Networks, 2020, 174, 107236. | 3.2 | 42 |
| 174 | A review on distributed cluster based routing approaches in mobile wireless sensor networks. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 835-849. | 3.3 | 22 |
| 175 | Movement-Based Solutions to Energy Limitation in Wireless Sensor Networks: State of the Art and Future Trends. IEEE Network, 2021, 35, 188-193. | 4.9 | 43 |
| 176 | Quick Convex Hull-Based Rendezvous Planning for Delay-Harsh Mobile Data Gathering in Disjoint Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3844-3854. | 5.9 | 43 |
| 177 | Harvested Energy Scavenging and Transfer capabilities in Opportunistic Ring Routing. IEEE Access, 2021, 9, 75801-75825. | 2.6 | 5 |
| 178 | Scalable IoT Sensing Systems With Dynamic Sinks. IEEE Internet of Things Journal, 2022, 9, 7211-7227. | 5.5 | 2 |
| 179 | Evolutionary Method of Sink Node Path Planning Guided by the Hamiltonian of Quantum Annealing Algorithm. IEEE Access, 2021, 9, 53466-53479. | 2.6 | 4 |
| 180 | Traffic Agents-Based Analysis of Hotspot Effect in IoT-Enabled Wireless Sensor Network. , 2021, , . | | 0 |
| 181 | Distributed consensusâ€based routing protocol with multiple mobile sinks support for wireless sensor network. IET Wireless Sensor Systems, 2021, 11, 131-145. | 1.3 | 2 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 182 | A mobility aware duty cycling and preambling solution for wireless sensor network with mobile sink node. Wireless Networks, 2021, 27, 3423-3439. | 2.0 | 3 |
| 183 | Sink-Type-Dependent Data-Gathering Frameworks in Wireless Sensor Networks: A Comparative Study. Sensors, 2021, 21, 2829. | 2.1 | 4 |
| 184 | Comprehensive survey of routing protocols for Mobile Wireless Sensor Networks. International Journal of Communication Systems, 2021, 34, e4942. | 1.6 | 13 |
| 185 | Routing Protocols for Mobile Internet of Things (IoT): A Survey on Challenges and Solutions. Electronics (Switzerland), 2021, 10, 2320. | 1.8 | 11 |
| 186 | Design and Development of Efficient Secure Routing Mechanism for Wireless Sensor Network. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 233-266. | 0.5 | 3 |
| 187 | Optimized Energy – Efficient Path Planning Strategy in WSN With Multiple Mobile Sinks. IEEE Access, 2021, 9, 82833-82847. | 2.6 | 33 |
| 189 | Mobility in Wireless Sensor Networks. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 165-171. | 0.5 | 3 |
| 191 | Using Location Services to Autonomously Drive Flying Mobile Sinks in Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 180-191. | 0.2 | 5 |
| 193 | UAV-Aided trustworthy data collection in federated-WSN-enabled IoT applications. Information Sciences, 2020, 532, 155-169. | 4.0 | 24 |
| 194 | BLOW-UP. ACM Transactions on Sensor Networks, 2016, 12, 1-20. | 2.3 | 16 |
| 195 | Communication Availability-Based Scheduling for Fair Data Collection with Path-Constrained Mobile Sink in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 2015, 1-11. | 1.3 | 4 |
| 196 | Energy-efficient data-gathering rendezvous algorithms with mobile sinks for wireless sensor networks. International Journal of Sensor Networks, 2017, 23, 248. | 0.2 | 6 |
| 197 | Review on Routing Techniques in Wireless Sensor Networks. International Journal of Computer Applications, 2015, 116, 8-10. | 0.2 | 10 |
| 199 | Grid Routing: An Energy-Efficient Routing Protocol for WSNs with Single Mobile Sink. Lecture Notes in Computer Science, 2016, , 232-243. | 1.0 | 1 |
| 200 | Energy Efficient Strategies with Mobile Sink for WSNs: A Survey. International Journal of Future Generation Communication and Networking, 2016, 9, 235-244. | 0.7 | 0 |
| 201 | Enhanced Hybrid Routing Protocol for Load Balancing in WSN Using Mobile Sink Node. Industrial Engineering and Management Systems, 2016, 15, 268-277. | 0.3 | 1 |
| 202 | Mobility for an Optimal Data Collection in Wireless Sensor Networks. International Journal of Advanced Computer Science and Applications, 2017, 8, . | 0.5 | 1 |
| 203 | A Virtual Grid-Based Routing Protocol for Mobile Sink-Based WSNs. Lecture Notes in Computer Science, 2017, , 339-348. | 1.0 | 0 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 204 | Energy-Efficient Mobile Sensing in Distributed Multi-Agent Sensor Networks. Advances in Science, Technology and Engineering Systems, 2017, 2, 245-253. | 0.4 | 0 |
| 206 | A Delay-Oriented Energy-Efficient Routing Protocol for Wireless Sensor Network. Lecture Notes in Electrical Engineering, 2019, , 115-124. | 0.3 | 0 |
| 207 | A Survey on Mobility in Wireless Sensor Networks. Ad Hoc Networks, 2022, 125, 102726. | 3.4 | 55 |
| 208 | Efficient Sink Mobility based Routing Protocol for Heterogeneous Wireless Sensor Network with Multiple Mobile Sinks. , 2020, , . | | 3 |
| 209 | Finding the Minimum Number of Mobile Sinks for Data Collection in Wireless Sensor Networks. , 2020, , . | | 6 |
| 210 | Data Routing Protocol for Multi-Mobile Sinks WSN. , 2020, , . | | 1 |
| 211 | Data Collection Routing Techniques in Underwater Wireless Sensor Networks. , 2021, , . | | 2 |
| 212 | A Survey on Classical and Optimized Hierarchical Routing Protocols for IoT and WSN. , 2021, , . | | 1 |
| 213 | A PUFâ€based lightweight authentication and key agreement protocol for smart UAV networks. IET Communications, 2022, 16, 1142-1159. | 1.5 | 20 |
| 214 | Data Collection in Multihop Mobile Sink-Aided Backscatter IoT Networks. IEEE Internet of Things Journal, 2022, 9, 12001-12013. | 5.5 | 2 |
| 215 | Adaptive Data Collection Using UAV With Wireless Power Transfer for Wireless Rechargeable Sensor Networks. IEEE Access, 2022, 10, 9729-9743. | 2.6 | 9 |
| 216 | Dual-line data collection scheme for efficient mobile sink operation in solar-powered wireless sensor networks. Sustainable Computing: Informatics and Systems, 2022, 34, 100659. | 1.6 | 0 |
| 218 | Energy-Efficient UAV-Aided Ocean Monitoring Networks: Joint Resource Allocation and Trajectory Design. IEEE Internet of Things Journal, 2022, 9, 17871-17884. | 5.5 | 6 |
| 219 | Exploring data collection on Bluetooth Mesh networks. Ad Hoc Networks, 2022, 130, 102809. | 3.4 | 5 |
| 220 | Path planning mechanism for mobile anchor-assisted localization in wireless sensor networks. Journal of Parallel and Distributed Computing, 2022, 165, 52-65. | 2.7 | 7 |
| 221 | Hexagonal grid-based data collection in Heterogeneous Sensing WSNs. , 2021, , . | | 0 |
| 222 | Keep Fresh: Real-Time Data Retrieval with Speed Adaptation in Mobile Cyber-Physical Systems. , 2021, , . | | 2 |
| 223 | An Improved Approach for Wireless Sensor Networks With Mobile Sink Using Dynamic Minimum Spanning Tree. IEEE Sensors Journal, 2022, 22, 10918-10930. | 2.4 | 6 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 224 | Hybrid based Optimization with Unequal Clustering and Mobile Sink for Wireless Sensor Networks. , 2022, , . | | 2 |
| 225 | Node localization algorithm for wireless sensor networks based on static anchor node location selection strategy. Computer Communications, 2022, 192, 289-298. | 3.1 | 16 |
| 226 | Data Acquisition through Mobile Sink for WSNs with Obstacles Using Support Vector Machine. Journal of Sensors, 2022, 2022, 1-20. | 0.6 | 4 |
| 227 | Genetics Based Compact Fuzzy System for Visual Sensor Network. Computer Systems Science and Engineering, 2023, 45, 409-426. | 1.9 | 0 |
| 228 | An enhanced ACO-based mobile sink path determination for data gathering in wireless sensor networks. Eurasip Journal on Wireless Communications and Networking, 2022, 2022, . | 1.5 | 3 |
| 229 | Routing Protocol for a Heterogeneous MSN With an Intermittent Mobile Sink. IEEE Sensors Journal, 2022, 22, 22255-22263. | 2.4 | 1 |
| 230 | Underwater Wireless Sensor Networks: Enabling Technologies for Node Deployment and Data Collection Challenges. IEEE Internet of Things Journal, 2023, 10, 3500-3524. | 5.5 | 11 |
| 231 | Sum-of-Max partition under a Knapsack constraint. Computers and Electrical Engineering, 2023, 105, 108521. | 3.0 | 1 |
| 232 | Modified Ring Routing Protocol for Mobile Sinks in a Dynamic Sensor Network in Smart Monitoring Applications. Electronics (Switzerland), 2023, 12, 281. | 1.8 | 2 |
| 233 | A study on the channel bonding in IoT networks: Requirements, applications, and challenges. International Journal of Communication Systems, 2023, 36, . | 1.6 | 1 |
| 234 | EC-MAC Protocol for Energy Harvesting Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2023, , 955-967. | 0.3 | 0 |
| 235 | Review on sink mobility-based routing algorithms in WSN proposed in the Year 2022. , 2022, , . | | 0 |
| 236 | Data Acquisition Control for UAV-Enabled Wireless Rechargeable Sensor Networks. Sensors, 2023, 23, 3582. | 2.1 | 0 |
| 244 | UAV-Assisted Data Collection andÂTransmission Using Petal Algorithm inÂWireless Sensor Networks. Lecture Notes in Computer Science, 2024, , 114-125. | 1.0 | Ο |