

Mohamed Kashef

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

688
citations

933447

10
h-index

1125743

13
g-index

48
all docs

48
docs citations

48
times ranked

742
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Wireless Time Sensitive Networking Impact on an Industrial Collaborative Robotic Workcell. IEEE Transactions on Industrial Informatics, 2022, 18, 7351-7360. | 11.3 | 16 |
| 2 | A Machine-Learning Approach for the Exemplar Extraction of mmWave Industrial Wireless Channels. , 2022, 1, 1-15. | | 1 |
| 3 | Wireless Time Sensitive Networking for Industrial Collaborative Robotic Workcells. , 2021, , . | | 11 |
| 4 | Temporal Exemplar Channels In High-Multipath Environments. , 2021, , . | | 1 |
| 5 | Feature Extraction and Classification for Communication Channels in Wireless Mechatronic Systems. , 2021, , . | | 1 |
| 6 | A Graph Database Approach to Wireless IIoT Workcell Performance Evaluation. , 2020, , . | | 3 |
| 7 | Smart Manufacturing Testbed for the Advancement of Wireless Adoption in the Factory. IFIP Advances in Information and Communication Technology, 2020, , 176-189. | 0.7 | 0 |
| 8 | Wireless Interference Estimation Using Machine Learning in a Robotic Force-Seeking Scenario. , 2019, , . | | 6 |
| 9 | Design Space Exploration for Wireless-Integrated Factory Automation Systems. , 2019, , . | | 4 |
| 10 | A Black-Box Noninvasive Characterization Method for Industrial Wireless Networks. Journal of Research of the National Institute of Standards and Technology, 2019, 124, 1-16. | 1.2 | 0 |
| 11 | A SysML representation of the wireless factory work cell. International Journal of Advanced Manufacturing Technology, 2019, 104, 119-140. | 3.0 | 5 |
| 12 | Wireless Network Design for Emerging IIoT Applications: Reference Framework and Use Cases. Proceedings of the IEEE, 2019, 107, 1166-1192. | 21.3 | 40 |
| 13 | Clustering and Representation of Time-Varying Industrial Wireless Channel Measurements. , 2019, , . | | 7 |
| 14 | Frame-based randomized scheduling of packets with random-deadlines for multi-flow wireless networks. Ad Hoc Networks, 2019, 85, 11-18. | 5.5 | 1 |
| 15 | On the Impact of Wireless Communications on Controlling a Two-Dimensional Gantry System. , 2019, , . | | 1 |
| 16 | Transmit Power Optimization for a Hybrid PLC/VLC/RF Communication System. IEEE Transactions on Green Communications and Networking, 2018, 2, 234-245. | 5.5 | 65 |
| 17 | Industrial Wireless End-to-End Measurements and Impacts in a Gas-Sensing Scenario. Journal of Research of the National Institute of Standards and Technology, 2018, 123, 1-22. | 1.2 | 0 |
| 18 | Industrial Wireless Systems Guidelines: Practical Considerations and Deployment Life Cycle. IEEE Industrial Electronics Magazine, 2018, 12, 6-17. | 2.6 | 38 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Model-based cosimulation for industrial wireless networks. , 2018, , . | | 7 |
| 20 | Enabling Green Heterogeneous Cellular Networks via Balanced Dynamic Planning. , 2018, , 323-358. | | 0 |
| 21 | Beamforming and power allocation for physical-layer security in hybrid RF/VLC wireless networks. , 2017, , . | | 24 |
| 22 | Real-time scheduling for wireless networks with random deadlines. , 2017, , . | | 7 |
| 23 | Industrial wireless: Problem space, success considerations, technologies, and future direction. , 2017, , . | | 12 |
| 24 | Optimal Partial Relaying for Energy-Harvesting Wireless Networks. IEEE/ACM Transactions on Networking, 2016, 24, 113-122. | 3.8 | 32 |
| 25 | On the Impact of PLC Backhauling in Multi-User Hybrid VLC/RF Communication Systems. , 2016, , . | | 17 |
| 26 | Impact of Dynamic Planning on Uplink Service Quality in Heterogeneous Cellular Networks. , 2016, , . | | 0 |
| 27 | Balanced Dynamic Planning in Green Heterogeneous Cellular Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 3299-3312. | 14.0 | 12 |
| 28 | A VLC-based system for optical SPR sensing facility. , 2016, , . | | 4 |
| 29 | Energy Efficient Resource Allocation for Mixed RF/VLC Heterogeneous Wireless Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 883-893. | 14.0 | 158 |
| 30 | Visible Light Communications for Energy Efficient Heterogeneous Wireless Networks. Studies in Systems, Decision and Control, 2016, , 299-317. | 1.0 | 2 |
| 31 | Power allocation for maximizing energy efficiency of mixed RF/VLC wireless networks. , 2015, , . | | 7 |
| 32 | On balancing energy efficiency for network operators and mobile users in dynamic planning. , 2015, 53, 158-165. | | 9 |
| 33 | On the Achievable Rate of a Hybrid PLC/VLC/RF Communication System. , 2015, , . | | 16 |
| 34 | Exploiting Different Cognition Levels of Channel Information in Transmission Scheduling of Two Sources Over Time Varying Wireless Channels. IEEE Transactions on Cognitive Communications and Networking, 2015, 1, 284-293. | 7.9 | 0 |
| 35 | Cooperative OFDM-based multi-user visible light communication systems with limited information. , 2015, , . | | 0 |
| 36 | Coordinated Interference Management for Visible Light Communication Systems. Journal of Optical Communications and Networking, 2015, 7, 1098. | 4.8 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Power allocation for downlink multi-user SC-FDMA visible light communication systems. , 2015, , . | | 12 |
| 38 | The impact of location errors on achievable rates in OFDM-based multi-user visible light communication systems. , 2014, , . | | 6 |
| 39 | Dynamic planning with balanced energy efficiency for network operators and mobile users. , 2014, , . | | 1 |
| 40 | On the benefits of cooperation via power control in OFDM-based visible light communication systems. , 2014, , . | | 12 |
| 41 | Relaying and stability in energy harvesting simple networks. , 2014, , . | | 0 |
| 42 | On the Achievable Rate of a Hybrid PLC/MLC/RF Communication System. , 2014, , . | | 0 |
| 43 | Optimal packet scheduling for energy harvesting sources on time varying wireless channels. Journal of Communications and Networks, 2012, 14, 121-129. | 2.6 | 41 |
| 44 | Optimal scheduling for energy harvesting sources on time varying wireless channels. , 2011, , . | | 7 |
| 45 | System parameter selection for asymmetric underlay CDMA networks with interference-minimizing code assignment. , 2009, , . | | 3 |
| 46 | Cognitive interference-minimizing code assignment for underlay CDMA networks in asynchronous multipath fading channels. , 2009, , . | | 8 |
| 47 | CDMA underlay network with cognitive interference-minimizing code assignment and semi-blind interference suppression. Wireless Communications and Mobile Computing, 2009, 9, 1460-1471. | 1.2 | 13 |