# Marco Giordani

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 47 papers | 3,242 citations | 687363<br>13 h-index | 940533<br>16 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 2482 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | 6G for Bridging the Digital Divide: Wireless Connectivity to Remote Areas. IEEE Wireless Communications, 2022, 29, 160-168. | 9.0 | 44 |
| 2 | On the beamforming design of millimeter wave UAV networks: Power vs. capacity trade-offs. Computer Networks, 2022, 205, 108746. | 5.1 | 3 |
| 3 | Point Cloud Compression for Efficient Data Broadcasting: A Performance Comparison. , 2022, , . | | 3 |
| 4 | Artificial Intelligence in Vehicular Wireless Networks: A Case Study Using ns-3. , 2022, , . | | 2 |
| 5 | UAV/HAP-Assisted Vehicular Edge Computing in 6G: Where and What to Offload?. , 2022, , . | | 12 |
| 6 | End-to-End Simulation of 5G Networks Assisted by IRS and AF Relays. , 2022, , . | | 4 |
| 7 | Accuracy Versus Complexity for mmWave Ray-Tracing: A Full Stack Perspective. IEEE Transactions on Wireless Communications, 2021, 20, 7826-7841. | 9.2 | 19 |
| 8 | 6G Enabling Technologies. Computer Communications and Networks, 2021, , 25-41. | 0.8 | 5 |
| 9 | Non-Terrestrial Networks in the 6G Era: Challenges and Opportunities. IEEE Network, 2021, 35, 244-251. | 6.9 | 219 |
| 10 | Hybrid Point Cloud Semantic Compression for Automotive Sensors: A Performance Evaluation. , 2021, , . | | 7 |
| 11 | On the Role of Sensor Fusion for Object Detection in Future Vehicular Networks. , 2021, , . | | 7 |
| 12 | The Potential of Multilayered Hierarchical Nonterrestrial Networks for 6G: A Comparative Analysis Among Networking Architectures. IEEE Vehicular Technology Magazine, 2021, 16, 99-107. | 3.4 | 25 |
| 13 | Predictive Quality of Service: The Next Frontier for Fully Autonomous Systems. IEEE Network, 2021, 35, 104-110. | 6.9 | 15 |
| 14 | Coverage Analysis of UAVs in Millimeter Wave Networks: A Stochastic Geometry Approach. , 2020, , . | | 20 |
| 15 | Toward Standardization of Millimeter-Wave Vehicle-to-Vehicle Networks: Open Challenges and Performance Evaluation. IEEE Communications Magazine, 2020, 58, 79-85. | 6.1 | 46 |
| 16 | An Adaptive Broadcasting Strategy for Efficient Dynamic Mapping in Vehicular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5605-5620. | 9.2 | 7 |
| 17 | Toward 6G Networks: Use Cases and Technologies. IEEE Communications Magazine, 2020, 58, 55-61. | 6.1 | 994 |
| 18 | Integrated Access and Backhaul in 5G mmWave Networks: Potential and Challenges. IEEE Communications Magazine, 2020, 58, 62-68. | 6.1 | 129 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Satellite Communication at Millimeter Waves: a Key Enabler of the 6G Era. , 2020, , . | | 79 |
| 20 | Scalable and Accurate Modeling of the Millimeter Wave Channel. , 2020, , . | | 4 |
| 21 | Simplified Ray Tracing for the Millimeter Wave Channel: A Performance Evaluation. , 2020, , . | | 21 |
| 22 | MilliCar. , 2020, , . | | 28 |
| 23 | NR V2X Communications at Millimeter Waves: An End-to-End Performance Evaluation. , 2020, , . | | 8 |
| 24 | LTE and Millimeter Waves for V2I Communications: An End-to-End Performance Comparison. , 2019, , . | | 11 |
| 25 | A Framework to Assess Value of Information in Future Vehicular Networks. , 2019, , . | | 16 |
| 26 | Standalone and Non-Standalone Beam Management for 3GPP NR at mmWaves. IEEE Communications Magazine, 2019, 57, 123-129. | 6.1 | 56 |
| 27 | Value-Anticipating V2V Communications for Cooperative Perception. , 2019, , . | | 38 |
| 28 | Investigating Value of Information in Future Vehicular Communications. , 2019, , . | | 12 |
| 29 | An Efficient Requirement-Aware Attachment Policy for Future Millimeter Wave Vehicular Networks. , 2019, , . | | 1 |
| 30 | Path Loss Models for V2V mmWave Communication: Performance Evaluation and Open Challenges. , 2019, , . | | 18 |
| 31 | A Tutorial on Beam Management for 3GPP NR at mmWave Frequencies. IEEE Communications Surveys and Tutorials, 2019, 21, 173-196. | 39.4 | 406 |
| 32 | Jamming the Underwater. , 2019, , . | | 4 |
| 33 | On the Feasibility of Integrating mmWave and IEEE 802.11p for V2V Communications. , 2018, , . | | 18 |
| 34 | Distributed Path Selection Strategies for Integrated Access and Backhaul at mmWaves. , 2018, , . | | 35 |
| 35 | An Efficient Uplink Multi-Connectivity Scheme for 5G Millimeter-Wave Control Plane Applications. IEEE Transactions on Wireless Communications, 2018, 17, 6806-6821. | 9.2 | 43 |
| 36 | End-to-End Simulation of Integrated Access and Backhaul at mmWaves. , 2018, , . | | 40 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Performance study of LTE and mmWave in vehicle-to-network communications. , 2018, , . | | 12 |
| 38 | Initial access frameworks for 3GPP NR at mmWave frequencies. , 2018, , . | | 12 |
| 39 | Coverage and connectivity analysis of millimeter wave vehicular networks. Ad Hoc Networks, 2018, 80, 158-171. | 5.5 | 30 |
| 40 | Emerging Trends in Vehicular Communication Networks. , 2018, , 37-57. | | 3 |
| 41 | Millimeter wave communication in vehicular networks: Challenges and opportunities. , 2017, , . | | 77 |
| 42 | Improved user tracking in 5G millimeter wave mobile networks via refinement operations. , 2017, , . | | 15 |
| 43 | Improved Handover Through Dual Connectivity in 5G mmWave Mobile Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2069-2084. | 14.0 | 253 |
| 44 | Poster: Connectivity analysis of millimeter wave vehicular networks. , 2017, , . | | 1 |
| 45 | Multi-connectivity in 5G mmWave cellular networks. , 2016, , . | | 78 |
| 46 | Initial Access in 5G mmWave Cellular Networks. , 2016, 54, 40-47. | | 243 |
| 47 | Comparative analysis of initial access techniques in 5G mmWave cellular networks. , 2016, , . | | 116 |