

# Anke Schmeink

## List of Publications by Year in descending order

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85  
papers

1,260  
citations

471509

17  
h-index

434195

31  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1142  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Robust Channel Modeling of 2.4 GHz and 5 GHz Indoor Measurements: Empirical, Ray Tracing, and Artificial Neural Network Models. IEEE Transactions on Antennas and Propagation, 2022, 70, 559-572. | 5.1  | 11        |
| 2  | Joint Power and Data Allocation in Multi-Carrier Full-Duplex Relaying Networks Operating With Finite Blocklength Codes. IEEE Transactions on Wireless Communications, 2022, 21, 1513-1528.        | 9.2  | 4         |
| 3  | Latency-Critical Downlink Multiple Access: A Hybrid Approach and Reliability Maximization. IEEE Transactions on Wireless Communications, 2022, 21, 9261-9275.                                     | 9.2  | 5         |
| 4  | Convexity Analysis of Nonlinear Wireless Power Transfer With Multiple RF Sources. IEEE Transactions on Vehicular Technology, 2022, 71, 11311-11316.   | 6.3  | 5         |
| 5  | UAV Trajectory Design on Completion Time Minimization of WPT Task in UAV-Enabled Multi-User Network. , 2022, , .  |      | 2         |
| 6  | Channel Capacity in the Finite Blocklength Regime for Massive MIMO with Selected Multi-Streams (Invited Paper). , 2022, , .   |      | 1         |
| 7  | Massive MIMO Two-Way Relaying Systems With SWIPT in IoT Networks. IEEE Internet of Things Journal, 2021, 8, 15126-15139.  | 8.7  | 23        |
| 8  | On the Optimal Precoding for MISO-WSN: One Time Slot Detection of Multiple Binary Data on the Same Frequency Band. IEEE Transactions on Wireless Communications, 2021, 20, 997-1010.              | 9.2  | 0         |
| 9  | Trajectory Design for UAV-Enabled Multiuser Wireless Power Transfer With Nonlinear Energy Harvesting. IEEE Transactions on Wireless Communications, 2021, 20, 1105-1121.                          | 9.2  | 58        |
| 10 | Incremental Parameter Estimation of Stochastic State-Based Models. , 2021, , .  |      | 2         |
| 11 | Novel Optimal Trajectory Design in UAV-Assisted Networks: A Mechanical Equivalence-Based Strategy. IEEE Journal on Selected Areas in Communications, 2021, 39, 3524-3541.                         | 14.0 | 11        |
| 12 | Development and validation of a reinforcement learning algorithm to dynamically optimize mechanical ventilation in critical care. Npj Digital Medicine, 2021, 4, 32.                              | 10.9 | 47        |
| 13 | Energy-Efficient Joint Association and Precoding in Ultra-Dense C-RAN. IEEE Transactions on Vehicular Technology, 2021, 70, 2862-2866.  | 6.3  | 3         |
| 14 | Guest Editorial: Special Issue on AI-Enabled Internet of Dependable and Controllable Things. IEEE Internet of Things Journal, 2021, 8, 3053-3056.   | 8.7  | 1         |
| 15 | Average Age-of-Information Minimization in EH-enabled Low-Latency IoT Networks. , 2021, , .   |      | 6         |
| 16 | Reliability-Optimal Offloading in Low-Latency Edge Computing Networks: Analytical and Reinforcement Learning Based Designs. IEEE Transactions on Vehicular Technology, 2021, 70, 6058-6072.       | 6.3  | 12        |
| 17 | Joint Design of UAV Trajectory and Directional Antenna Orientation in UAV-Enabled WPT Networks. , 2021, , .   |      | 0         |
| 18 | Simultaneous Wireless Information and Power Transfer in Low-Latency Relaying Networks with Nonlinear Energy Harvesting. , 2021, , .   |      | 3         |

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|----|--|------|-----------|
| 19 | Radio-Map-Based UAV Placement Design for UAV-Assisted Relaying Networks. , 2021, , .   |      | 3         |
| 20 | Consensus Analysis of Wireless Multi-Agent Systems Over Fading Channels. IEEE Wireless Communications Letters, 2021, 10, 1528-1531.  | 5.0  | 3         |
| 21 | Sustainable Wireless Sensor Networks With UAV-Enabled Wireless Power Transfer. IEEE Transactions on Vehicular Technology, 2021, 70, 8050-8064.   | 6.3  | 19        |
| 22 | Robust Design for UAV-Enabled Multiuser Relaying System With SWIPT. IEEE Transactions on Green Communications and Networking, 2021, 5, 1293-1305.  | 5.5  | 4         |
| 23 | Joint Design of UAV Trajectory and Directional Antenna Orientation in UAV-Enabled Wireless Power Transfer Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3081-3096. | 14.0 | 34        |
| 24 | Multi-Device Low-Latency IoT Networks With Blind Retransmissions in the Finite Blocklength Regime. IEEE Transactions on Vehicular Technology, 2021, 70, 12782-12795.                       | 6.3  | 8         |
| 25 | Relaying-Assisted Multiuser Networks in FBL Regime: Achievable Reliability-Constrained Throughput. , 2021, , .   |      | 1         |
| 26 | Density Evolution Based Multi-Level Polar Coded Modulation. , 2021, , .  |      | 0         |
| 27 | Data Freshness Optimization in Relaying Network Operating with Finite Blocklength Codes. , 2021, , .   |      | 4         |
| 28 | Time-Energy-Constrained Closed-Loop FBL Communication for Dependable MEC. , 2021, , .  |      | 0         |
| 29 | Multi-Device Low-Latency Internet of Things Networks with Blind Retransmissions in the Finite Blocklength Regime. , 2020, , .  |      | 2         |
| 30 | Throughput Analysis of Low-Latency IoT Systems With QoS Constraints and Finite Blocklength Codes. IEEE Transactions on Vehicular Technology, 2020, 69, 3093-3104.                          | 6.3  | 21        |
| 31 | Optimal Resource Allocation in Ground Wireless Networks Supporting Unmanned Aerial Vehicle Transmissions. IEEE Transactions on Vehicular Technology, 2020, 69, 8972-8984.                  | 6.3  | 7         |
| 32 | On the Convex Properties of Wireless Power Transfer With Nonlinear Energy Harvesting. IEEE Transactions on Vehicular Technology, 2020, 69, 5672-5676.                                      | 6.3  | 13        |
| 33 | Accurate optimization models for interference constrained bandwidth allocation in cellular networks. Computers and Operations Research, 2019, 101, 1-12.                                   | 4.0  | 4         |
| 34 | Optimal 1D Trajectory Design for UAV-Enabled Multiuser Wireless Power Transfer. IEEE Transactions on Communications, 2019, 67, 5674-5688.  | 7.8  | 92        |
| 35 | Physical Layer Spoofing Against Eavesdropping Attacks. , 2019, , .   |      | 3         |
| 36 | A Seysen's algorithmâ€‘based incremental lattice reduction. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3596.   | 3.9  | 3         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Reliability-Optimal Offloading in Multi-Server Edge Computing Networks with Transmissions Carried by Finite Blocklength Codes. , 2019, , .   |      | 8         |
| 38 | Network Planning for Indoor Joint LTE and WLAN Networks. , 2019, , .   |      | 1         |
| 39 | Online Offline Learning for Sound-Based Indoor Localization Using Low-Cost Hardware. IEEE Access, 2019, 7, 155088-155106.  | 4.2  | 4         |
| 40 | Efficient Implementation of Density Evolution for Punctured Polar Codes. IEEE Access, 2019, 7, 105909-105921.  | 4.2  | 4         |
| 41 | Multi-Relay-Assisted Low-Latency High-Reliability Communications With Best Single Relay Selection. IEEE Transactions on Vehicular Technology, 2019, 68, 7630-7642.   | 6.3  | 15        |
| 42 | Energy Minimization of Mobile Edge Computing Networks with Finite Retransmissions in the Finite Blocklength Regime. , 2019, , .  |      | 10        |
| 43 | Joint User Association and Robust Beamforming Optimization for C-RANs with Wireless Fronthauls. , 2019, , .  |      | 1         |
| 44 | Likelihood-Based Adaptive Learning in Stochastic State-Based Models. IEEE Signal Processing Letters, 2019, 26, 1031-1035.  | 3.6  | 1         |
| 45 | Closed-Form Symbol Error Rate Expressions for Non-Orthogonal Multiple Access Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6775-6789.  | 6.3  | 44        |
| 46 | 3-D Energy Optimal Receiver Placement With Constraints on the LOS Delay and Angle. IEEE Transactions on Wireless Communications, 2019, 18, 2156-2169.  | 9.2  | 3         |
| 47 | Convolutional Blind Source Separation with Independent Vector Analysis and Beamforming. , 2019, , .  |      | 0         |
| 48 | Throughput Maximization of Low-Latency Communication with Imperfect CSI in Finite Blocklength Regime. , 2019, , .  |      | 2         |
| 49 | Full-Duplex Relay in High-Reliability Low-latency Networks Operating with Finite Blocklength Codes. , 2019, , .  |      | 4         |
| 50 | SWIPT-Enabled Relaying in IoT Networks Operating With Finite Blocklength Codes. IEEE Journal on Selected Areas in Communications, 2019, 37, 74-88.   | 14.0 | 90        |
| 51 | A Deep Learning Approach for Managing Medical Consumable Materials in Intensive Care Units via Convolutional Neural Networks: Technical Proof-of-Concept Study. JMIR Medical Informatics, 2019, 7, e14806. | 2.6  | 8         |
| 52 | ON DEPLOYING VEHICULAR COMMUNICATION AT THE DEVELOPING SEAPORT AND RELATED INNOVATION SUCCESS IMPEDIMENTS. Transport, 2019, 34, 126-134.   | 1.2  | 5         |
| 53 | Optimal Scheduling of Reliability-Constrained Relaying System Under Outdated CSI in the Finite Blocklength Regime. IEEE Transactions on Vehicular Technology, 2018, 67, 6146-6155.                         | 6.3  | 23        |
| 54 | Relaying-Enabled Ultra-Reliable Low-Latency Communications in 5G. IEEE Network, 2018, 32, 62-68.   | 6.9  | 67        |

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|----|--|-----|-----------|
| 55 | A Fast Converging Channel Estimation Algorithm for Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2018, 66, 3169-3184.  | 5.3 | 15        |
| 56 | An RFID model for improving workersâ€™ safety at the seaport in transitional environment. Transport, 2018, 33, 353-363.  | 1.2 | 15        |
| 57 | Deep Reinforcement Learning based Resource Allocation in Low Latency Edge Computing Networks. , 2018, , .  |     | 111       |
| 58 | Rateless Codes Based on Punctured Polar Codes. , 2018, , .   |     | 3         |
| 59 | Delay-Constrained Communication in Edge Computing Networks. , 2018, , .  |     | 7         |
| 60 | Optimal power allocation for QoS-constrained downlink networks with finite blocklength codes. , 2018, , .  |     | 3         |
| 61 | Optimal Power Allocation for QoS-Constrained Downlink Multi-User Networks in the Finite Blocklength Regime. IEEE Transactions on Wireless Communications, 2018, 17, 5827-5840.         | 9.2 | 49        |
| 62 | Optimal Power Allocation for Amplify and Forward Relaying with Finite Blocklength Codes and QoS Constraints. , 2018, , .   |     | 1         |
| 63 | Heparan Sulfate Induces Necroptosis in Murine Cardiomyocytes: A Medical-In silico Approach Combining In vitro Experiments and Machine Learning. Frontiers in Immunology, 2018, 9, 393. | 4.8 | 8         |
| 64 | The Safety Analysis: Disagreement of Wireless Communication-Based Consensus. IEEE Wireless Communications Letters, 2018, 7, 998-1001.  | 5.0 | 3         |
| 65 | Simultaneous wireless information and power transfer in relay networks with finite blocklength codes. , 2017, , .  |     | 1         |
| 66 | Finite blocklength performance of a multi-relay network with best single relay selection. , 2017, , .  |     | 2         |
| 67 | A fast energy-aware multi-target detection technique using binary wireless sensors. , 2017, , .  |     | 1         |
| 68 | On iterative decoding of polar codes: Schedule-dependent performance and constructions. , 2017, , .  |     | 3         |
| 69 | Efficient transmission schemes for low-latency networks: NOMA vs. relaying. , 2017, , .  |     | 23        |
| 70 | On Intelligent Use of ICT in Some Maritime Business Organizations. Montenegrin Journal of Economics, 2017, 13, 163-173.  | 1.3 | 5         |
| 71 | Blocklength-Limited Performance of Relaying under Quasi-Static Rayleigh Channels. IEEE Transactions on Wireless Communications, 2016, , 1-1.   | 9.2 | 98        |
| 72 | On the Reed-Muller rule under channel polarization. , 2016, , .  |     | 1         |

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|----|---|-----|-----------|
| 73 | QoS-Constrained Energy Efficiency of Cooperative ARQ in Multiple DF Relay Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 848-859.  | 6.3 | 27        |
| 74 | On the Capacity of Relaying With Finite Blocklength. IEEE Transactions on Vehicular Technology, 2016, 65, 1790-1794.  | 6.3 | 73        |
| 75 | Construction of Polar Codes Exploiting Channel Transformation Structure. IEEE Communications Letters, 2015, 19, 2058-2061.  | 4.1 | 8         |
| 76 | On the Performance Advantage of Relaying Under the Finite Blocklength Regime. IEEE Communications Letters, 2015, 19, 779-782.   | 4.1 | 36        |
| 77 | The multi-band robust knapsack problem—A dynamic programming approach. Discrete Optimization, 2015, 18, 123-149.  | 0.9 | 5         |
| 78 | Non-Asymptotic Bounds on the Performance of Dual Methods for Resource Allocation Problems. IEEE Transactions on Wireless Communications, 2014, 13, 3430-3441.                             | 9.2 | 0         |
| 79 | Speeding up column generation for robust wireless network planning. EURO Journal on Computational Optimization, 2013, 1, 253-281.   | 2.4 | 1         |
| 80 | A robust optimisation model and cutting planes for the planning of energy-efficient wireless networks. Computers and Operations Research, 2013, 40, 80-90.                                | 4.0 | 17        |
| 81 | Optimality of Dual Methods for Discrete Multiuser Multicarrier Resource Allocation Problems. IEEE Transactions on Wireless Communications, 2012, 11, 3810-3817.                           | 9.2 | 21        |
| 82 | Joint Linear Receiver Design and Power Allocation Using Alternating Optimization Algorithms for Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 4129-4141. | 6.3 | 7         |
| 83 | Hierarchical generalized Cantor set modulation. , 2011, , .   |     | 2         |
| 84 | A theoretical framework for capacity-achieving multi-user waterfilling in OFDMA. , 2010, , .  |     | 0         |
| 85 | Proportional QoS adjustment for achieving feasible power allocation in CDMA systems. IEEE Transactions on Communications, 2008, 56, 254-259.  | 7.8 | 9         |