

Moussa Diallo

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

210
citations

1937685

4
h-index

1720034

7
g-index

40
all docs

40
docs citations

40
times ranked

135
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Performance Analysis of Mixed MIMO RF/FSO DF Relaying Based on Globally Coupled Low Density Parity Check (GC-LDPC) Codes. , 2021, , . | | 2 |
| 2 | Structural and physicochemical properties of dust collected on PV panels surfaces and their potential influence on these solar modules efficiency in Dakar, Senegal, West Africa. Scientific African, 2021, 12, e00810. | 1.5 | 5 |
| 3 | PM10 Data Assimilation on Real-time Agent-based Simulation using Machine Learning Models: case of Dakar Urban Air Pollution Study. , 2021, , . | | 2 |
| 4 | Massive MIMO Channel Feedback Compression in 5G context: Compress Sensing or Lossless Compression. , 2021, , . | | 0 |
| 5 | Optimization of Polar Codes in Virtual MIMO Systems. Lecture Notes in Networks and Systems, 2020, , 103-116. | 0.7 | 1 |
| 6 | MEDART-MAS: MEta-model of Data Assimilation on Real-Time Multi-Agent Simulation. , 2020, , . | | 2 |
| 7 | Performance of Cooperative System Based on LDPC Codes in Wireless Optical Communication. Advances in Intelligent Systems and Computing, 2020, , 745-757. | 0.6 | 2 |
| 8 | Performance of Hybrid RF/FSO Cooperative Systems Based on Quasicyclic LDPC Codes and Space-Coupled LDPC Codes. Wireless Communications and Mobile Computing, 2020, 2020, 1-15. | 1.2 | 4 |
| 9 | A robust LU polynomial matrix decomposition for spatial multiplexing. Eurasip Journal on Advances in Signal Processing, 2020, 2020, . | 1.7 | 0 |
| 10 | An Ad Hoc communication system for an Efficient Milk collection within White Areas. , 2019, , . | | 2 |
| 11 | LoRa-based Measurement Station for Water Quality Monitoring: Case of Botanical Garden Pool. , 2019, , . | | 20 |
| 12 | Efficient Lossless Feedback Compression for FDD Massive MIMO. , 2019, , . | | 1 |
| 13 | IoT based Schistosomiasis Monitoring for More Efficient Disease Prediction and Control Model. , 2019, , . | | 6 |
| 14 | COWShED: Communication Within White Spots for Breeders. , 2019, , . | | 8 |
| 15 | Work in Progress: A low cost geographical localization system for a more secure coastal artisanal fishery in Senegal. , 2019, , . | | 1 |
| 16 | The use of ALADIN model and MERRA-2 reanalysis to represent dust seasonal dry deposition from 2006 to 2010 in Senegal, West Africa. Modeling Earth Systems and Environment, 2018, 4, 815-823. | 3.4 | 6 |
| 17 | SBSD: Towards a Proactive Sensor-Based Schistosomiasis Detection. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 312-321. | 0.3 | 0 |
| 18 | Web Mapping-Based Architecture for "Dakar Dem Dikk" Buses Fleet Management. , 2018, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A Hybrid Measurement Kit for Real-time Air Quality Monitoring Across Senegal Cities. , 2018, , . | | 11 |
| 20 | A Study of LoRa Coverage: Range Evaluation and Channel Attenuation Model. , 2018, , . | | 26 |
| 21 | Low cost connected and autonomous rain gauge for real time rainfall monitoring in Dakar. , 2018, , . | | 0 |
| 22 | An Internet of Things Infrastructure for Rainfall Monitoring in Dakar. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 175-186. | 0.3 | 1 |
| 23 | Feedback overhead comparison between frequency SVD and time domain beamforming in WLAN context. , 2018, , . | | 2 |
| 24 | Leveraging GPS and SMS-Based Bus Tracking Architecture for an Efficient Transportation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 115-124. | 0.3 | 2 |
| 25 | Efficient Limited Feedback Technique for FDD MIMO Systems. Advances in Science, Technology and Engineering Systems, 2018, 3, 138-145. | 0.5 | 0 |
| 26 | LU-Based Beamforming Schemes for MIMO Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 2214-2222. | 6.3 | 8 |
| 27 | Efficient feedback quantization for WLAN. , 2017, , . | | 0 |
| 28 | Efficient postcoding filter in LU-based beamforming scheme. , 2017, , . | | 1 |
| 29 | An evaluation of LoRa coverage in Dakar Peninsula. , 2017, , . | | 26 |
| 30 | Monitoring the Performance of Solar Street Lights in Sahelian Environment: Case Study of Senegal. , 2017, , . | | 9 |
| 31 | Optimization of ldpc codes used in cooperative relay systems: Case of mobile telephony. , 2017, , . | | 3 |
| 32 | Unimodular-Upper polynomial matrix decomposition for MIMO spatial multiplexing. , 2014, , . | | 4 |
| 33 | A limited and efficient quantized feedback for IEEE 802.11n evolution. , 2013, , . | | 2 |
| 34 | Hardware implementation of 1D DCT/IDCT for WLAN channel estimation. , 2013, , . | | 1 |
| 35 | Making Attractive Channel Estimation Method Using Truncated SVD for MIMO-OFDM Systems Thanks to Large Complexity Reduction. , 2010, , . | | 1 |
| 36 | On Improved DCT Based Channel Estimation with Very Low Complexity for MIMO-OFDM Systems. , 2009, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Robust DCT Based Channel Estimation for MIMO-OFDM System. , 2009, , . | | 9 |
| 38 | Transform domain channel estimation with null subcarriers for MIMO-OFDM systems. , 2008, , . | | 13 |
| 39 | Dermatosis papulosa nigra in Dakar, Senegal. International Journal of Dermatology, 2007, 46, 45-47. | 1.0 | 20 |