

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	An evaluation of LoRa coverage in Dakar Peninsula. , 2017, , .		26
2	A Study of LoRa Coverage: Range Evaluation and Channel Attenuation Model. , 2018, , .		26
3	Dermatosis papulosa nigra in Dakar, Senegal. International Journal of Dermatology, 2007, 46, 45-47.	1.0	20
4	LoRa-based Measurement Station for Water Quality Monitoring: Case of Botanical Garden Pool. , 2019, , .		20
5	Transform domain channel estimation with null subcarriers for MIMO-OFDM systems. , 2008, , .		13
6	A Hybrid Measurement Kit for Real-time Air Quality Monitoring Across Senegal Cities. , 2018, , .		11
7	Robust DCT Based Channel Estimation for MIMO-OFDM System. , 2009, , .		9
8	Monitoring the Performance of Solar Street Lights in Sahelian Environment: Case Study of Senegal. , 2017, , .		9
9	LU-Based Beamforming Schemes for MIMO Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 2214-2222.	6.3	8
10	COWShED: Communication Within White Spots for Breeders. , 2019, , .		8
11	On Improved DCT Based Channel Estimation with Very Low Complexity for MIMO-OFDM Systems. , 2009, , .		6
12	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
13	IoT based Schistosomiasis Monitoring for More Efficient Disease Prediction and Control Model. , 2019, , .		6
14	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
15	Unimodular-Upper polynomial matrix decomposition for MIMO spatial multiplexing. , 2014, , .		4
16	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
17	Optimization of ldpc codes used in cooperative relay systems: Case of mobile telephony. , 2017, , .		3
18	A limited and efficient quantized feedback for IEEE 802.11n evolution. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
19	Feedback overhead comparison between frequency SVD and time domain beamforming in WLAN context. , 2018, , .		2
20	An Ad Hoc communication system for an Efficient Milk collection within White Areas. , 2019, , .		2
21	MEDART-MAS: MEta-model of Data Assimilation on Real-Time Multi-Agent Simulation. , 2020, , .		2
22	Performance Analysis of Mixed MIMO RF/FSO DF Relaying Based on Globally Coupled Low Density Parity Check (GC-LDPC) Codes. , 2021, , .		2
23	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
24	Performance of Cooperative System Based on LDPC Codes in Wireless Optical Communication. Advances in Intelligent Systems and Computing, 2020, , 745-757.	0.6	2
25	PM10 Data Assimilation on Real-time Agent-based Simulation using Machine Learning Models: case of Dakar Urban Air Pollution Study. , 2021, , .		2
26	Making Attractive Channel Estimation Method Using Truncated SVD for MIMO-OFDM Systems Thanks to Large Complexity Reduction. , 2010, , .		1
27	Hardware implementation of 1D DCT/IDCT for WLAN channel estimation. , 2013, , .		1
28	Efficient postcoding filter in LU-based beamforming scheme. , 2017, , .		1
29	Web Mapping-Based Architecture for "Dakar Dem Dikk" Buses Fleet Management. , 2018, , .		1
30	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
31	Efficient Lossless Feedback Compression for FDD Massive MIMO. , 2019, , .		1
32	Work in Progress: A low cost geographical localization system for a more secure coastal artisanal fishery in Senegal. , 2019, , .		1
33	Optimization of Polar Codes in Virtual MIMO Systems. Lecture Notes in Networks and Systems, 2020, , 103-116.	0.7	1
34	Efficient feedback quantization for WLAN. , 2017, , .		0
35	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
36	Low cost connected and autonomous rain gauge for real time rainfall monitoring in Dakar. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Efficient Limited Feedback Technique for FDD MIMO Systems. Advances in Science, Technology and Engineering Systems, 2018, 3, 138-145.	0.5	0
38	A robust LU polynomial matrix decomposition for spatial multiplexing. Eurasip Journal on Advances in Signal Processing, 2020, 2020, .	1.7	0
39	Massive MIMO Channel Feedback Compression in 5G context: Compress Sensing or Lossless Compression. , 2021, , .		0