Chiranjib Saha

List of Publications by Year
in descending order

30 papers	768 citations	840776 11 h-index	888059 17 g-index
30 all docs	30 docs citations	30 times ranked	770 citing authors

#	Article	IF	Citations
1	Meta Distribution of Downlink SIR in a Poisson Cluster Process-Based HetNet Model. IEEE Wireless Communications Letters, 2020, 9, 2144-2148.	5.0	13
2	Load on the Typical Poisson Voronoi Cell With Clustered User Distribution. IEEE Wireless Communications Letters, 2020, 9, 1361-1365.	5.0	6
3	Development of a framework for sequential Bayesian design of experiments: Application to a pilot-scale solvent-based CO_2 capture process. Applied Energy, 2020, 262, 114533.	10.1	19
4	A Fast-Learning Sparse Antenna Array. , 2020, , .		5
5	Learning on a Grassmann Manifold: CSI Quantization for Massive MIMO Systems. , 2020, , .		3
6	Rate Coverage of a Cellular Network with Users Distributed as Poisson Cluster Process. , 2020, , .		1
7	Unified Analysis of HetNets Using Poisson Cluster Processes Under Max-Power Association. IEEE Transactions on Wireless Communications, 2019, 18, 3797-3812.	9.2	36
8	Millimeter Wave Integrated Access and Backhaul in 5G: Performance Analysis and Design Insights. IEEE Journal on Selected Areas in Communications, 2019, 37, 2669-2684.	14.0	75
9	On Load Balancing in Millimeter Wave HetNets with Integrated Access and Backhaul. , 2019, , .		5
10	Machine Learning Meets Stochastic Geometry: Determinantal Subset Selection for Wireless Networks. , 2019, , .		5
11	Piperazine aerosol mitigation for post-combustion carbon capture. International Journal of Greenhouse Gas Control, 2019, 91, 102845.	4.6	9
12	Interference Characterization in Wireless Networks: A Determinantal Learning Approach. , 2019, , .		1
13	3GPP-Inspired HetNet Model Using Poisson Cluster Process: Sum-Product Functionals and Downlink Coverage. IEEE Transactions on Communications, 2018, 66, 2219-2234.	7.8	96
14	Equi-Coverage Contours in Cellular Networks. IEEE Wireless Communications Letters, 2018, 7, 700-703.	5.0	8
15	Real-Time Aerosol Measurements in Post-Combustion CO_2 Capture Using ELPI+â„¢ and Smooth and Sintered Collection Plates. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	2.3	5
16	Bandwidth Partitioning and Downlink Analysis in Millimeter Wave Integrated Access and Backhaul for 5G. IEEE Transactions on Wireless Communications, 2018, 17, 8195-8210.	9.2	65
17	Integrated mmWave Access and Backhaul in 5G: Bandwidth Partitioning and Downlink Analysis. , 2018, , .		22
18	Enriched K -Tier HetNet Model to Enable the Analysis of User-Centric Small Cell Deployments. IEEE Transactions on Wireless Communications, 2017, 16, 1593-1608.	9.2	88

#	Article	IF	Citations
19	D2D Underlaid Cellular Networks with User Clusters: Load Balancing and Downlink Rate Analysis. , 2017, , .		5
20	Nearest-Neighbor and Contact Distance Distributions for Matérn Cluster Process. IEEE Communications Letters, 2017, 21, 2686-2689.	4.1	41
21	Real-time aerosol measurements in pilot scale coal fired post-combustion CO_2 capture. Journal of Aerosol Science, 2017, 104, 43-57.	3.8	9
22	Poisson cluster process: Bridging the gap between PPP and 3GPP HetNet models. , 2017, , .		34
23	Nearest-Neighbor and Contact Distance Distributions for Thomas Cluster Process. IEEE Wireless Communications Letters, 2016, , 1-1.	5.0	30
24	Downlink coverage probability of K-tier HetNets with general non-uniform user distributions. , 2016, , .		15
25	A Fuzzy Rule-Based Penalty Function Approach for Constrained Evolutionary Optimization. IEEE Transactions on Cybernetics, 2016, 46, 2953-2965.	9.5	57
26	A novel gesture driven fuzzy interface system for car racing game. , 2015, , .		2
27	Enhanced Multiobjective Evolutionary Algorithm Based on Decomposition for Solving the Unit Commitment Problem. IEEE Transactions on Industrial Informatics, 2015, 11, 1346-1357.	11.3	61
28	Differential evolution based score level fusion for multi-modal biometric systems. , 2014, , .		9
29	Dynamic Constrained Optimization with offspring repair based Gravitational Search Algorithm. , 2013, , .		32
30	Differential Evolution and Offspring Repair Method Based Dynamic Constrained Optimization. Lecture Notes in Computer Science, 2013, , 298-309.	1.3	11