

Bechir Hamdaoui

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

1,844
citations

304368

22
h-index

329751

37
g-index

85
all docs

85
docs citations

85
times ranked

1914
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling Smart Cloud Services Through Remote Sensing: An Internet of Everything Enabler. IEEE Internet of Things Journal, 2014, 1, 276-288.	5.5	122
2	Energy-Efficient Resource Allocation and Provisioning Framework for Cloud Data Centers. IEEE Transactions on Network and Service Management, 2015, 12, 377-391.	3.2	121
3	Compressed Wideband Spectrum Sensing: Concept, Challenges, and Enablers. IEEE Communications Magazine, 2018, 56, 136-141.	4.9	113
4	Toward energy-efficient cloud computing: Prediction, consolidation, and overcommitment. IEEE Network, 2015, 29, 56-61.	4.9	87
5	Characterization and analysis of multi-hop wireless MIMO network throughput. , 2007, , .		67
6	<sc>Replisom</sc>: Disciplined Tiny Memory Replication for Massive IoT Devices in LTE Edge Cloud. IEEE Internet of Things Journal, 2016, 3, 327-338.	5.5	58
7	Adaptive spectrum assessment for opportunistic access in cognitive radio networks. IEEE Transactions on Wireless Communications, 2009, 8, 922-930.	6.1	56
8	Design and Analysis of Delay-Tolerant Sensor Networks for Monitoring and Tracking Free-Roaming Animals. IEEE Transactions on Wireless Communications, 2012, 11, 1220-1227.	6.1	54
9	Cloud of Things for Sensing-as-a-Service: Architecture, Algorithms, and Use Case. IEEE Internet of Things Journal, 2016, 3, 1099-1112.	5.5	54
10	Opportunistic Bandwidth Sharing Through Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2010, 59, 3148-3153.	3.9	52
11	Aggregate Hardware Impairments Over Mixed RF/FSO Relaying Systems With Outdated CSI. IEEE Transactions on Communications, 2018, 66, 1110-1123.	4.9	50
12	An Energy-Efficient VM Prediction and Migration Framework for Overcommitted Clouds. IEEE Transactions on Cloud Computing, 2018, 6, 955-966.	3.1	47
13	Location Privacy in Cognitive Radio Networks: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 1726-1760.	24.8	46
14	Extracting and Exploiting Inherent Sparsity for Efficient IoT Support in 5G: Challenges and Potential Solutions. IEEE Wireless Communications, 2017, 24, 68-73.	6.6	43
15	Efficient datacenter resource utilization through cloud resource overcommitment. , 2015, , .		36
16	Energy-efficient cloud resource management. , 2014, , .		34
17	Preserving the Location Privacy of Secondary Users in Cooperative Spectrum Sensing. IEEE Transactions on Information Forensics and Security, 2017, 12, 418-431.	4.5	34
18	LoRa Device Fingerprinting in the Wild: Disclosing RF Data-Driven Fingerprint Sensitivity to Deployment Variability. IEEE Access, 2021, 9, 142893-142909.	2.6	34

#	ARTICLE	IF	CITATIONS
19	Proactive Multipath TCP for Seamless Handoff in Heterogeneous Wireless Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 4754-4764.	6.1	33
20	A Cross-Layer Admission Control Framework for Wireless Ad-Hoc Networks using Multiple Antennas. IEEE Transactions on Wireless Communications, 2007, 6, 4014-4024.	6.1	31
21	Efficient Spectrum Availability Information Recovery for Wideband DSA Networks: A Weighted Compressive Sampling Approach. IEEE Transactions on Wireless Communications, 2018, 17, 2162-2172.	6.1	28
22	Shaving Data Center Power Demand Peaks Through Energy Storage and Workload Shifting Control. IEEE Transactions on Cloud Computing, 2019, 7, 1095-1108.	3.1	25
23	Cross-Layer Optimized Conditions for QoS Support in Multi-Hop Wireless Networks with MIMO Links. IEEE Journal on Selected Areas in Communications, 2007, 25, 667-677.	9.7	24
24	Location Privacy Preservation in Database-Driven Wireless Cognitive Networks Through Encrypted Probabilistic Data Structures. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 255-266.	4.9	24
25	Radio and Medium Access Contention Aware Routing for Lifetime Maximization in Multichannel Sensor Networks. IEEE Transactions on Wireless Communications, 2012, 11, 3058-3067.	6.1	23
26	IoTShare: A Blockchain-Enabled IoT Resource Sharing On-Demand Protocol for Smart City Situation-Awareness Applications. IEEE Internet of Things Journal, 2020, 7, 10548-10561.	5.5	23
27	Exploiting Task Elasticity and Price Heterogeneity for Maximizing Cloud Computing Profits. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 85-96.	3.2	22
28	Partial Relay Selection for Hybrid RF/FSO Systems with Hardware Impairments. , 2016, , .		21
29	Uplink Performance Characterization and Analysis of Two-Tier Femtocell Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 4057-4068.	3.9	20
30	Responsive Content-Centric Delivery in Large Urban Communication Networks: A LinkNYC Use-Case. IEEE Transactions on Wireless Communications, 2018, 17, 1688-1699.	6.1	20
31	Sufficient conditions for flow admission control in wireless ad-hoc networks. Mobile Computing and Communications Review, 2005, 9, 15-24.	1.7	20
32	Release-time aware VM placement. , 2014, , .		19
33	Exploiting 4G mobile user cooperation for energy conservation: challenges and opportunities. IEEE Wireless Communications, 2013, 20, 62-67.	6.6	16
34	Pseudorandom Time-Hopping Anti-Jamming Technique for Mobile Cognitive Users. , 2015, , .		16
35	Efficient Usage of Renewable Energy in Communication Systems Using Dynamic Spectrum Allocation and Collaborative Hybrid Powering. IEEE Transactions on Wireless Communications, 2016, 15, 3327-3338.	6.1	16
36	Seamless Handoffs in Wireless HetNets: Transport-Layer Challenges and Multi-Path TCP Solutions with Cross-Layer Awareness. IEEE Network, 2019, 33, 195-201.	4.9	16

#	ARTICLE	IF	CITATIONS
37	Cuckoo filter-based location-privacy preservation in database-driven cognitive radio networks. , 2015, , .		15
38	An efficient technique for protecting location privacy of cooperative spectrum sensing users. , 2016, , .		15
39	Reducing Data Center Energy Consumption Through Peak Shaving and Locked-In Energy Avoidance. IEEE Transactions on Green Communications and Networking, 2017, 1, 551-562.	3.5	15
40	Adaptive Edge-Centric Cloud Content Placement for Responsive Smart Cities. IEEE Network, 2019, 33, 177-183.	4.9	15
41	Delay performance modeling and analysis in clustered cognitive radio networks. , 2014, , .		14
42	LPOS: Location Privacy for Optimal Sensing in Cognitive Radio Networks. , 2015, , .		14
43	Hybrid Rayleigh and Double-Weibull over impaired RF/FSO system with outdated CSI. , 2017, , .		13
44	Location Privacy in Cognitive Radios With Multi-Server Private Information Retrieval. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 949-962.	4.9	13
45	Anonymous Dynamic Spectrum Access and Sharing Mechanisms for the CBRS Band. IEEE Access, 2021, 9, 33860-33879.	2.6	13
46	When Clones Flock Near the Fog. IEEE Internet of Things Journal, 2018, 5, 1914-1923.	5.5	11
47	Optimizing Joint Data and Power Transfer in Energy Harvesting Multiuser Wireless Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10989-11000.	3.9	10
48	WCDS-DCR: an energy-efficient data-centric routing scheme for wireless sensor networks. Wireless Communications and Mobile Computing, 2012, 12, 195-205.	0.8	9
49	Mitigating jamming attacks in mobile cognitive networks through time hopping. Wireless Communications and Mobile Computing, 2016, 16, 3004-3014.	0.8	9
50	Rethinking Fat-Tree Topology Design for Cloud Data Centers. , 2018, , .		9
51	Comprehensive RF Dataset Collection and Release: A Deep Learning-Based Device Fingerprinting Use Case. , 2021, , .		9
52	Cross-layer assisted TCP for seamless handoff in heterogeneous mobile wireless systems. , 2013, , .		8
53	Optimized link state routing for quality-of-service provisioning: implementation, measurement, and performance evaluation. Wireless Communications and Mobile Computing, 2014, 14, 937-948.	0.8	8
54	Cloudlet-Aware Mobile Content Delivery in Wireless Urban Communication Networks. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
55	When the hammer meets the nail: Multi-server PIR for database-driven CRN with location privacy assurance. , 2017, , .		8
56	WideScan: Exploiting Out-of-Band Distortion for Device Classification Using Deep Learning. , 2020, , .		8
57	Maximum Achievable Throughput in Multiband Multiantenna Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2010, 9, 838-849.	3.9	7
58	Maximizing Secondary-User Satisfaction in Large-Scale DSA Systems Through Distributed Team Cooperation. IEEE Transactions on Wireless Communications, 2012, 11, 3588-3597.	6.1	7
59	Implementation and Analysis of Reward Functions Under Different Traffic Models for Distributed DSA Systems. IEEE Transactions on Wireless Communications, 2015, 14, 5147-5155.	6.1	7
60	Throughput Behavior in Multihop Multiantenna Wireless Networks. IEEE Transactions on Mobile Computing, 2009, 8, 1480-1494.	3.9	6
61	Enabling opportunistic and dynamic spectrum access through learning techniques. Wireless Communications and Mobile Computing, 2011, 11, 1497-1506.	0.8	6
62	Coordinating Secondary-User Behaviors for Inelastic Traffic Reward Maximization in Large-Scale osa Networks. IEEE Transactions on Network and Service Management, 2012, 9, 501-513.	3.2	6
63	Handoff-Aware Cross-Layer Assisted Multi-Path TCP for Proactive Congestion Control in Mobile Heterogeneous Wireless Networks. , 2015, , .		6
64	Flocking virtual machines in quest for responsive IoT cloud services. , 2017, , .		6
65	Long-Term Power Procurement Scheduling Method for Smart-Grid Powered Communication Systems. IEEE Transactions on Wireless Communications, 2018, 17, 2882-2892.	6.1	6
66	Unleashing the Power of Multi-Server PIR for Enabling Private Access to Spectrum Databases. IEEE Communications Magazine, 2018, 56, 171-177.	4.9	6
67	Traffic Behavior in Cloud Data Centers: A Survey. , 2020, , .		6
68	iMAC: improved Medium Access Control for multi-channel multi-hop wireless networks. Wireless Communications and Mobile Computing, 2013, 13, 1060-1071.	0.8	5
69	Improving Macrocell Downlink Throughput in Rayleigh Fading Channel Environment Through Femtocell User Cooperation. IEEE Transactions on Wireless Communications, 2013, 12, 6488-6499.	6.1	4
70	Online Assignment and Placement of Cloud Task Requests with Heterogeneous Requirements. , 2015, , .		4
71	The impact of stochastic resource availability on cognitive network performance: modeling and analysis. Wireless Communications and Mobile Computing, 2016, 16, 1642-1653.	0.8	4
72	Clustered Multicast Source Routing for Large-Scale Cloud Data Centers. IEEE Access, 2021, 9, 12693-12705.	2.6	4

#	ARTICLE	IF	CITATIONS
73	Empowering Next-Generation IoT WLANs Through Blockchain and 802.11ax Technologies. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7412-7421.	4.7	4
74	Cognitive Wireless Mesh Network Testbed. , 2008, , .		3
75	Constraint Design and Throughput Evaluation in Multi-Band Wireless Networks Using Multiple-Input Multiple-Output Links. IETE Technical Review (Institution of Electronics and Telecommunication) Tj ETQq1 1 0.784314 rgBT /@verlock		
76	A Blockchain-Based IoT Networks-on-Demand Protocol for Responsive Smart City Applications. , 2019, , .		3
77	CAFT: Congestion-Aware Fault-Tolerant Load Balancing for Three-Tier Clos Data Centers. , 2020, , .		3
78	Ernie: Scalable Load-Balanced Multicast Source Routing for Cloud Data Centers. IEEE Access, 2021, 9, 168816-168830.	2.6	3
79	Analytic Bounds on Data Loss Rates in Mostly-Covered Mobile DTNs. IEEE Transactions on Wireless Communications, 2013, 12, 3121-3129.	6.1	2
80	Joint Resource Scheduling and Peak Power Shaving for Cloud Data Centers with Distributed Uninterruptible Power Supply. , 2016, , .		2
81	Scalable spectrum database construction mechanisms for efficient wideband spectrum access management. Physical Communication, 2021, 46, 101318.	1.2	2
82	Innovative communications for a better future. Wireless Communications and Mobile Computing, 2010, 10, 1533-1536.	0.8	0
83	Online Assignment and Placement of Cloud Task Requests with Heterogeneous Requirements. , 2014, , .		0
84	Ernie: Data Center Multicast Source Routing. , 2021, , .		0