

# T Charles Clancy

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,698  
citations

1163117

8  
h-index

1372567

10  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Over-the-Air Deep Learning Based Radio Signal Classification. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 168-179.	10.8	793
2	Convolutional Radio Modulation Recognition Networks. Communications in Computer and Information Science, 2016, , 213-226.	0.5	653
3	A projection based approach for radar and telecommunication systems coexistence. , 2012, , .		130
4	Efficient OFDM Denial: Pilot Jamming and Pilot Nulling. , 2011, , .		104
5	Spectrum sharing between S-band radar and LTE cellular system: A spatial approach. , 2014, , .		89
6	Deep Learning for Wireless Communications. Studies in Computational Intelligence, 2020, , 223-266.	0.9	73
7	A utility proportional fairness approach for resource allocation in 4G-LTE. , 2014, , .		71
8	Unsupervised representation learning of structured radio communication signals. , 2016, , .		61
9	Semi-supervised radio signal identification. , 2017, , .		47
10	Utility Proportional Fairness Resource Allocation with Carrier Aggregation in 4G-LTE. , 2013, , .		45
11	Resource allocation with carrier aggregation in LTE Advanced cellular system sharing spectrum with S-band radar. , 2014, , .		44
12	A robust optimal rate allocation algorithm and pricing policy for hybrid traffic in 4G-LTE. , 2013, , .		33
13	Coexistence Analysis Between Radar and Cellular System in LoS Channel. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 972-975.	4.0	32
14	Efficient jamming attacks on MIMO channels. , 2012, , .		30
15	Performance impact of pilot tone randomization to mitigate OFDM jamming attacks. , 2013, , .		30
16	A neural network approach to category validation of Android applications. , 2013, , .		28
17	Learning approximate neural estimators for wireless channel state information. , 2017, , .		28
18	Spectrum sharing between public safety and commercial users in 4G-LTE. , 2014, , .		26

#	ARTICLE	IF	CITATIONS
19	An optimal application-aware resource block scheduling in LTE. , 2015, , .		25
20	Spectrum Sharing Approach between Radar and Communication Systems and Its Impact on Radar's Detectable Target Parameters. , 2015, , .		22
21	A utility proportional fairness radio resource block allocation in cellular networks. , 2015, , .		21
22	Learning robust general radio signal detection using computer vision methods. , 2017, , .		21
23	PHY-layer authentication by introducing controlled inter symbol interference. , 2013, , .		20
24	On The Impact of Time-Varying Interference-Channel on the Spatial Approach of Spectrum Sharing between S-band Radar and Communication System. , 2014, , .		19
25	Multi-application resource allocation with users discrimination in cellular networks. , 2014, , .		18
26	An optimal resource allocation with joint carrier aggregation in 4G-LTE. , 2015, , .		17
27	An online delay efficient packet scheduler for M2M traffic in industrial automation. , 2016, , .		17
28	A price selective centralized algorithm for resource allocation with carrier aggregation in LTE cellular networks. , 2015, , .		16
29	Robust Resource Allocation With Joint Carrier Aggregation in Multi-Carrier Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 53-65.	7.9	16
30	Performance of pilot jamming on MIMO channels with imperfect synchronization. , 2012, , .		15
31	Jamming attacks against OFDM timing synchronization and signal acquisition. , 2012, , .		15
32	Fine-grained end-to-end network model via vector quantization and hidden Markov processes. , 2013, , .		15
33	Flow Optimization in Data Centers With Clos Networks in Support of Cloud Applications. IEEE Transactions on Network and Service Management, 2017, 14, 847-859.	4.9	12
34	Recognizing FM, BPSK and 16-QAM using supervised and unsupervised learning techniques. , 2015, , .		11
35	Integration of Dataflow-Based Heterogeneous Multiprocessor Scheduling Techniques in GNU Radio. Journal of Signal Processing Systems, 2013, 70, 177-191.	2.1	10
36	A Delay Optimal Multiclass Packet Scheduler for General M2M Uplink. IEEE Systems Journal, 2019, 13, 3815-3826.	4.6	9

#	ARTICLE	IF	CITATIONS
37	Phase warping and differential scrambling attacks against OFDM frequency synchronization. , 2013, , .		7
38	Fundamental limits of caching with secure delivery. , 2014, , .		7
39	Secure caching with non-uniform demands. , 2014, , .		6
40	A delay efficient multiclass packet scheduler for heterogeneous M2M uplink. , 2016, , .		6
41	Constrained-Action POMDPs for Multi-Agent Intelligent Knowledge Distribution. , 2018, , .		6
42	Intelligent Knowledge Distribution: Constrained-Action POMDPs for Resource-Aware Multiagent Communication. IEEE Transactions on Cybernetics, 2022, 52, 2004-2017.	9.5	6
43	Development of an open-source GSM femtocell and integrated core infrastructure. , 2012, , .		5
44	Decentralized caching with secure delivery. , 2014, , .		5
45	A delay-optimal packet scheduler for M2M uplink. , 2016, , .		5
46	Vectorization and mapping of software defined radio applications on heterogeneous multi-processor platforms. , 2011, , .		4
47	A mathematical analysis of cellular interference on the performance of S-band military radar systems. , 2014, , .		4
48	PHY-layer authentication using hierarchical modulation and duobinary signaling. , 2014, , .		4
49	A hidden Markov model detection of malicious Android applications at runtime. , 2014, , .		4
50	The closed-form BER expressions of PSK modulation for OFDM and SC-FDMA under jamming and imperfect channel estimation. , 2014, , .		3
51	FSK-Based Reactive Jammer Piggybacking. IEEE Communications Letters, 2017, 21, 68-71.	4.1	3
52	An Assessment of OFDM Carrier Frequency Offset Synchronization Security for 4G Systems. , 2014, , .		2
53	Preemption, fairness, and security dynamics in heterogeneous DSA environments. , 2011, , .		1
54	Student-t Based Robust Spatio-temporal Prediction. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
55	Jamming countermeasures for multi-user MISO broadcast channels - a DoF perspective. , 2013, , .		1
56	An application-aware spectrum sharing approach for commercial use of 3.5 GHz spectrum. , 2016, , .		1
57	MIMO Radar and Cellular System Spatial Coexistence using Channel Modeling. , 2019, , .		1
58	Analysis of Pilot-Spoofing Attack in MISO-OFDM System Over Correlated Fading Channel. , 2018, , .		0