Vincenzo Mancuso

List of Publications by Year
in descending order

84	3,291	471509	330143
papers	citations	17	37
		h-index	g-index

87	87	87	3374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Survey on Device-to-Device Communication in Cellular Networks. IEEE Communications Surveys and Tutorials, 2014, 16, 1801-1819.	39.4	1,726
2	A Survey on Opportunistic Scheduling in Wireless Communications. IEEE Communications Surveys and Tutorials, 2013, 15, 1671-1688.	39.4	143
3	Toward Enabled Industrial Verticals in 5G: A Survey on MEC-Based Approaches to Provisioning and Flexibility. IEEE Communications Surveys and Tutorials, 2021, 23, 596-630.	39.4	109
4	Reducing costs and pollution in cellular networks. , 2011, 49, 63-71.		80
5	An SDN-Based Network Architecture for Extremely Dense Wireless Networks. , 2013, , .		78
6	Network-Assisted Outband D2D-Clustering in 5G Cellular Networks: Theory and Practice. IEEE Transactions on Mobile Computing, 2017, 16, 2246-2259.	5.8	77
7	CROWD: An SDN Approach for DenseNets. , 2013, , .		68
8	WiFi Direct and LTE D2D in action. , 2013, , .		59
9	On the minimization of power consumption in base stations using on/off power amplifiers. , 2011, , .		56
10	On the compound impact of opportunistic scheduling and D2D communications in cellular networks. , 2013, , .		51
11	A Simple Analytical Model for Energy Efficient Ethernet. IEEE Communications Letters, 2011, 15, 773-775.	4.1	45
12	Greening wireless communications: Status and future directions. Computer Communications, 2012, 35, 1651-1661.	5.1	42
13	5G Millimeter-Wave and D2D Symbiosis: 60 GHz for Proximity-Based Services. IEEE Wireless Communications, 2017, 24, 140-145.	9.0	42
14	Coverage Optimization with a Dynamic Network of Drone Relays. IEEE Transactions on Mobile Computing, 2020, 19, 2278-2298.	5.8	41
15	A measurement-based analysis of the energy consumption of data center servers. , 2014, , .		35
16	Energy efficient opportunistic uplink packet forwarding in hybrid wireless networks. , 2013, , .		32
17	Measuring and assessing mobile broadband networks with MONROE. , 2016, , .		31
18	Analysis of power saving with continuous connectivity. Computer Networks, 2012, 56, 2481-2493.	5.1	24

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19	DRONEE: Dual-radio opportunistic networking for energy efficiency. Computer Communications, 2014, 50, 41-52.	5.1	24
20	On the efficient utilization of radio resources in extremely dense wireless networks. , 2015, 53, 126-132.		24
21	DORE: An Experimental Framework to Enable Outband D2D Relay in Cellular Networks. IEEE/ACM Transactions on Networking, 2017, 25, 2930-2943.	3.8	24
22	A Measurement-Based Characterization of the Energy Consumption in Data Center Servers. IEEE Journal on Selected Areas in Communications, 2015, 33, 2863-2877.	14.0	23
23	Experimenting With Commodity 802.11 Hardware: Overview and Future Directions. IEEE Communications Surveys and Tutorials, 2015, 17, 671-699.	39.4	22
24	Modeling D2D communications with LTE and WiFi. Performance Evaluation Review, 2014, 42, 55-57.	0.6	21
25	Optimizing mmWave Wireless Backhaul Scheduling. IEEE Transactions on Mobile Computing, 2020, 19, 2409-2428.	5.8	21
26	QoS Requirements For Multimedia Services. , 2007, , 67-94.		21
27	An SDR-based experimental study of outband D2D communications. , 2016, , .		20
28	VoIPiggy: Analysis and Implementation of a Mechanism to Boost Capacity in IEEE 802.11 WLANs Carrying VoIP Traffic. IEEE Transactions on Mobile Computing, 2014, 13, 1640-1652.	5.8	19
29	Control theoretic optimization of 802.11 WLANs: Implementation and experimental evaluation. Computer Networks, 2013, 57, 258-272.	5.1	17
30	Enhanced Content Update Dissemination Through D2D in 5G Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 7517-7530.	9.2	16
31	Edge-based platoon control. Computer Communications, 2022, 181, 17-31.	5.1	15
32	Interference coordination strategies for content update dissemination in LTE-A. , 2014, , .		14
33	Persistence and availability of floating content in a campus environment. , 2015, , .		14
34	Elastic Rate Limiting for Spatially Biased Wireless Mesh Networks. , 2010, , .		13
35	BASICS: Scheduling base stations to mitigate interferences in cellular networks. , 2013, , .		12
36	Slicing Cell Resources: The Case of HTC and MTC Coexistence. , 2019, , .		12

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37	Experimenting with floating content in an office setting. , 2014, 52, 49-54.		11
38	An M/G/1 Model for Gigabit Energy Efficient Ethernet Links With Coalescing and Real-Trace-Based Evaluation. IEEE/ACM Transactions on Networking, 2016, 24, 2663-2675.	3.8	11
39	Floating band D2D: Exploring and exploiting the potentials of adaptive D2D-enabled networks. , 2015, , .		10
40	Dynamic network reconfiguration in wireless DenseNets with the CROWD SDN architecture. , 2015, , .		9
41	Results from Running an Experiment as a Service Platform for Mobile Networks. , 2017, , .		9
42	Stop and forward: Opportunistic local information sharing under walking mobility. Ad Hoc Networks, 2018, 78, 54-72.	5.5	9
43	Tackling the Increased Density of 5G Networks: The CROWD Approach. , 2015, , .		8
44	A Multi-Traffic Inter-Cell Interference Coordination Scheme in Dense Cellular Networks. IEEE/ACM Transactions on Networking, 2018, 26, 2361-2375.	3.8	8
45	Analysis of power saving and its impact on web traffic in cellular networks with continuous connectivity. Pervasive and Mobile Computing, 2012, 8, 646-661.	3.3	7
46	Modelling and real-trace-based evaluation of static and dynamic coalescing for energy efficient ethernet. , 2013, , .		7
47	LabVIEW based platform for prototyping dense LTE networks in CROWD project. , 2014, , .		7
48	Modelling D2D communications in cellular access networks via Coupled Processors. , 2015, , .		7
49	Experimental evaluation of an SDN-based distributed mobility management solution. , 2016, , .		7
50	Measurement-based coalescing control for 802.3az. , 2016, , .		7
51	Fair Cellular Throughput Optimization with the Aid of Coordinated Drones. , 2019, , .		7
52	Modeling MTC and HTC Radio Access in a Sliced 5G Base Station. IEEE Transactions on Network and Service Management, 2021, 18, 2208-2225.	4.9	7
53	Challenge. , 2015, , .		6
54	Multi-path D2D leads to satisfaction. , 2017, , .		6

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55	A Simple Model of MTC Flows Applied to Smart Factories. IEEE Transactions on Mobile Computing, 2021, 20, 2906-2923.	5.8	6
56	Power save analysis of cellular networks with continuous connectivity. , 2011, , .		5
57	A semi-distributed mechanism for inter-cell interference coordination exploiting the ABSF paradigm. , 2015, , .		5
58	Limitations and sidelink-based extensions of 3GPP cellular access protocols for very crowded environments. Computer Networks, 2020, 168, 107046.	5.1	5
59	A Simple Model of MTC in Smart Factories. , 2018, , .		4
60	SQLR: Short-Term Memory Q-Learning for Elastic Provisioning. IEEE Transactions on Network and Service Management, 2021, 18, 1850-1869.	4.9	4
61	Denser Networks for the Future Internet, the CROWD Approach. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 28-41.	0.3	4
62	Edge Gaming: A Greening Perspective. Computer Communications, 2022, 192, 89-105.	5.1	4
63	On IEEE 802.3az Energy Efficiency in Web Hosting Centers. IEEE Communications Letters, 2012, 16, 1880-1883.	4.1	3
64	An Analytical Approach to Performance Analysis of Coupled Processor Systems. , 2015, , .		3
65	Device-to-device communications with social awareness [Guest Editorial]. IEEE Wireless Communications, 2016, 23, 10-11.	9.0	3
66	Tie-breaking can maximize fairness without sacrificing throughput in D2D-assisted networks. , 2016, , .		3
67	Achieving per-flow satisfaction with multi-path D2D. Ad Hoc Networks, 2020, 106, 102162.	5.5	3
68	Automated identification of network anomalies and their causes with interpretable machine learning: The CIAN methodology and TTrees implementation. Computer Communications, 2022, 191, 327-348.	5.1	3
69	Two-level opportunistic spectrum management for green 5G Radio Access Networks. , 2015, , .		2
70	A coupled processors model for 802.11 ad hoc networks under non saturation. , 2015, , .		2
71	MONROE, a distributed platform to measure and assess mobile broadband networks. , 2016, , .		2
72	Energy Efficiency in Mixed Access Networks. , 2016, , .		2

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73	Adaptive Resource Provisioning based on Application State. , 2019, , .		2
74	Outage of Millimeter Wave Links With Randomly Located Obstructions. IEEE Access, 2020, 8, 139404-139421.	4.2	2
75	CVS: Using VLANs to Counteract the Effect of Topology Changes in Quasi-Static Mesh Access Networks. , 2006, , .		1
76	VoIPiggy: Implementation and evaluation of a mechanism to boost voice capacity in 802.11WLANs. , 2012, , .		1
77	Towards mobile radio access infrastructures for mobile users. Ad Hoc Networks, 2019, 89, 204-217.	5.5	1
78	A Heuristic for Fast Convergence in Interference-free Channel Assignment Using D1EC Coloring. Lecture Notes in Electrical Engineering, 2011, , 183-186.	0.4	1
79	An Optimal Scheme to Recharge Communication Drones. , 2021, , .		1
80	A Fast Heuristic for Solving the D1EC Coloring Problem. , 2010, , .		0
81	Improving the Energy Benefit for 802.3az Using Dynamic Coalescing Techniques. , 2015, , .		0
82	Efficiency of Virtualization over MEC plus Cloud. , 2021, , .		0
83	Optimal performance of parallel-server systems with job size prediction errors. Operations Research Letters, 2021, 49, 459-464.	0.7	0
84	Resource Management and Network Layer. , 2007, , 243-286.		0