Francesco PotortÃ¬

List of Publications by Year
in descending order

68 papers	1,115 citations	623734 14 h-index	501196 28 g-index
68 all docs	68 docs citations	68 times ranked	1035 citing authors

#	Article	IF	Citations
1	Bluetooth and wi-fi wireless protocols: a survey and a comparison. IEEE Wireless Communications, 2005, 12, 12-26.	9.0	259
2	Evaluating Ambient Assisted Living Solutions: The Localization Competition. IEEE Pervasive Computing, 2013, 12, 72-79.	1.3	70
3	Comparing the Performance of Indoor Localization Systems through the EvAAL Framework. Sensors, 2017, 17, 2327.	3.8	63
4	Transport layer protocols and architectures for satellite networks. International Journal of Satellite Communications and Networking, 2007, 25, 1-26.	1.8	46
5	Limb Movements Classification Using Wearable Wireless Transceivers. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 474-480.	3.2	44
6	The IPIN 2019 Indoor Localisation Competition—Description and Results. IEEE Access, 2020, 8, 206674-206718.	4.2	37
7	Evaluating indoor localization solutions in large environments through competitive benchmarking: The EvAAL-ETRI competition. , 2015, , .		35
8	Off-Line Evaluation of Indoor Positioning Systems in Different Scenarios: The Experiences From IPIN 2020 Competition. IEEE Sensors Journal, 2022, 22, 5011-5054.	4.7	35
9	FODA/IBEA-TDMA: A flexible fade countermeasure system for integrated services in user-oriented networks. International Journal of Satellite Communications and Networking, 1992, 10, 309-323.	0.6	32
10	Maximizing single connection TCP goodput by trading bandwidth for BER. International Journal of Communication Systems, 2003, 16, 63-79.	2.5	27
11	Quality estimation of PSK modulated signals. , 1997, 35, 50-55.		25
12	Evaluation of Indoor Localisation Systems: Comments on the ISO/IEC 18305 Standard. , 2018, , .		23
13	Frame error model in rural Wi-Fi networks. , 2007, , .		22
14	Platforms for AAL Applications. Lecture Notes in Computer Science, 2010, , 177-201.	1.3	20
15	Simulating dynamic bandwidth allocation on satellite links. , 2006, , .		19
16	Accuracy limits of in-room localisation using RSSI. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	19
17	Measurement-based frame error model for simulating outdoor Wi-Fi networks. IEEE Transactions on Wireless Communications, 2009, 8, 1154-1158.	9.2	18
18	Wireless Body Area Networks. , 2014, , 493-516.		16

#	ARTICLE	IF	CITATIONS
19	Sensors and Sensing Technologies for Indoor Positioning and Indoor Navigation. Sensors, 2020, 20, 5924.	3.8	16
20	Practical experiences in interconnecting LANs via satellite. Computer Communication Review, 1995, 25, 56-68.	1.8	15
21	Smart meter led probe for real-time appliance load monitoring. , 2014, , .		15
22	Wi-Fi probes as digital crumbs for crowd localisation. , 2016, , .		15
23	Localising crowds through Wi-Fi probes. Ad Hoc Networks, 2018, 75-76, 87-97.	5.5	15
24	Context driven enhancement of RSS-based localization systems. , 2011, , .		14
25	COMPARISON BETWEEN DISTRIBUTED AND CENTRALIZED DEMAND ASSIGNMENT TDMA SATELLITE ACCESS SCHEMES. International Journal of Satellite Communications and Networking, 1996, 14, 95-111.	0.6	11
26	What is next for Indoor Localisation? Taxonomy, protocols, and patterns for advanced Location Based Services. , 2019, , .		11
27	An Analysis of TCP Startup over an Experimental DVB-RCS Platform. , 2006, , .		10
28	Detection and classification of human arm movements for physical rehabilitation. , 2010, , .		10
29	RSSI localisation with sensors placed on the user. , 2010, , .		10
30	Choosing an RSS device-free localization algorithm for Ambient Assisted Living. , 2015, , .		10
31	The EvAAL Evaluation Framework and the IPIN Competitions. , 2019, , 209-224.		10
32	A multi-level satellite channel allocation algorithm for real-time VBR data. International Journal of Satellite Communications and Networking, 2002, 20, 47-61.	0.6	9
33	Experimental Results with Forward Erasure Correction and Real Video Streaming in Hybrid Wireless Networks. , 0, , .		9
34	EXPERIMENTAL RESULTS OF A DEMAND-ASSIGNMENT THIN ROUTE TDMA SYSTEM. International Journal of Satellite Communications and Networking, 1996, 14, 113-126.	0.6	8
35	Communications and networking over satellites: SatNEx experimental activities and testbeds. International Journal of Satellite Communications and Networking, 2009, 27, 1-33.	1.8	8
36	Comparing AAL Indoor Localization Systems. Communications in Computer and Information Science, 2012, , 1-13.	0.5	8

#	Article	IF	Citations
37	Trends in smartphone-based indoor localisation. , 2021, , .		8
38	Feeders-TDMA: a distributed-control algorithm for satellite channel capacity assignment in a mixed traffic and faded environment. International Journal of Satellite Communications and Networking, 1997, 15, 185-195.	0.6	7
39	Fade countermeasure using signal degradation estimation for demand-assignment satellite systems. Journal of Communications and Networks, 2000, 2, 230-238.	2.6	7
40	Delay analysis for interlan traffic using two suitable TDMA satellite access schemes. International Journal of Satellite Communications and Networking, 1997, 15, 141-153.	0.6	6
41	DRIFS-TDMA: a proposal for a satellite access distributed-control algorithm for multimedia traffic in a faded environment. International Journal of Satellite Communications and Networking, 1997, 15, 227-235.	0.6	6
42	A bandwidth assignment algorithm on a satellite channel for VBR traffic. International Journal of Satellite Communications and Networking, 1997, 15, 237-246.	0.6	6
43	A tool for packaging and exchanging simulation results. , 2006, , .		6
44	CEO: A context event only indoor localization technique for AAL. Journal of Ambient Intelligence and Smart Environments, 2015, 7, 745-760.	1.4	6
45	Modeling Ka-band scintillation as a fractal process. IEEE Journal on Selected Areas in Communications, 1999, 17, 164-172.	14.0	5
46	Title is missing!. Multimedia Tools and Applications, 2000, 10, 73-97.	3.9	5
47	Beyond Euclidean Distance for Error Measurement in Pedestrian Indoor Location. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	5
48	Device-Free Indoor Localization for AAL Applications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 361-368.	0.3	5
49	A simulation tool to validate and compare satellite TDMA access schemes. Telecommunication Systems, 1999, 12, 21-37.	2.5	4
50	Cost-Efficient Design of Hybrid Network for Video Transmission in Tropical Areas. , 2009, , .		3
51	Using Quick-Start to enhance TCP-friendly rate control performance in bidirectional satellite networks. International Journal of Satellite Communications and Networking, 2009, 27, 141-161.	1.8	3
52	Body posture/activity detection: Path loss characterization for 2.4GHz on-body wireless sensors. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
53	Allocating data for broadcasting over wireless channels subject to transmission errors. Wireless Networks, 2010, 16, 355-365.	3.0	3
54	Deviceâ€free indoor localisation with small numbers of anchors. IET Wireless Sensor Systems, 2018, 8, 152-161.	1.7	3

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55	GaliLEO: A Simulation Tool for LEO Satellite Constellations. Simulation, 2002, 78, 543-551.	1.8	2
56	Quality of Experience in Satellite video streaming transmissions in urban vehicular environment. , 2009, , .		2
57	Galileo: A Simulation Tool for Leo Satellite Constellations. Kluwer International Series in Engineering and Computer Science, 2002, , 197-212.	0.2	2
58	A Traffic Generator for Testing Communication Systems: Presentation, Implementation and Performance. Real-Time Systems, 1997, 13, 5-24.	1.3	1
59	Satellite PHY-layer selector design for video applications in tropical areas. , 2009, , .		1
60	Robust Device-Free Localisation with Few Anchors. , 2018, , .		1
61	Packaging Simulation Results With CostGlue. , 2006, , 209-222.		1
62	GSn: A new service type for integrated services on the internet. European Transactions on Telecommunications, 2001, 12, 3-12.	1.2	0
63	CostGlue: Simulation Data Exchange in Telecommunications. Simulation, 2008, 84, 157-168.	1.8	0
64	Lessons learned on device free localization with single and multi channel mode. , 2015, , .		0
65	A Tool for Packaging and Exchanging Simulation Results. , 2007, , 443-462.		0
66	Guest Editorial Special Issue on Advanced Sensors and Sensing Technologies for Indoor Positioning and Navigation. IEEE Sensors Journal, 2022, 22, 4754-4754.	4.7	0
67	Resource Management and Network Layer. , 2007, , 243-286.		0
68	Resource Management and Transport Layer. , 2007, , 289-311.		0