Francesco Potortì

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	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
2	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
3	Beyond Euclidean Distance for Error Measurement in Pedestrian Indoor Location. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	5
4	Trends in smartphone-based indoor localisation. , 2021, , .		8
5	The IPIN 2019 Indoor Localisation Competition—Description and Results. IEEE Access, 2020, 8, 206674-206718.	4.2	37
6	Sensors and Sensing Technologies for Indoor Positioning and Indoor Navigation. Sensors, 2020, 20, 5924.	3.8	16
7	What is next for Indoor Localisation? Taxonomy, protocols, and patterns for advanced Location Based Services. , 2019, , .		11
8	The EvAAL Evaluation Framework and the IPIN Competitions. , 2019, , 209-224.		10
9	Localising crowds through Wi-Fi probes. Ad Hoc Networks, 2018, 75-76, 87-97.	5.5	15
10	Robust Device-Free Localisation with Few Anchors. , 2018, , .		1
11	Evaluation of Indoor Localisation Systems: Comments on the ISO/IEC 18305 Standard. , 2018, , .		23
12	Device—free indoor localisation with small numbers of anchors. IET Wireless Sensor Systems, 2018, 8, 152-161.	1.7	3
13	Comparing the Performance of Indoor Localization Systems through the EvAAL Framework. Sensors, 2017, 17, 2327.	3.8	63
14	Wi-Fi probes as digital crumbs for crowd localisation. , 2016, , .		15
15	Evaluating indoor localization solutions in large environments through competitive benchmarking: The EvAAL-ETRI competition. , 2015, , .		35
16	CEO: A context event only indoor localization technique for AAL. Journal of Ambient Intelligence and Smart Environments, 2015, 7, 745-760.	1.4	6
17	Choosing an RSS device-free localization algorithm for Ambient Assisted Living. , 2015, , .		10
18	Lessons learned on device free localization with single and multi channel mode. , 2015, , .		0

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19	Smart meter led probe for real-time appliance load monitoring. , 2014, , .		15
20	Wireless Body Area Networks. , 2014, , 493-516.		16
21	Evaluating Ambient Assisted Living Solutions: The Localization Competition. IEEE Pervasive Computing, 2013, 12, 72-79.	1.3	70
22	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
23	Comparing AAL Indoor Localization Systems. Communications in Computer and Information Science, 2012, , 1-13.	0.5	8
24	Context driven enhancement of RSS-based localization systems. , 2011, , .		14
25	Limb Movements Classification Using Wearable Wireless Transceivers. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 474-480.	3.2	44
26	Allocating data for broadcasting over wireless channels subject to transmission errors. Wireless Networks, 2010, 16, 355-365.	3.0	3
27	Detection and classification of human arm movements for physical rehabilitation. , 2010, , .		10
28	Platforms for AAL Applications. Lecture Notes in Computer Science, 2010, , 177-201.	1.3	20
29	RSSI localisation with sensors placed on the user. , 2010, , .		10
30	Cost-Efficient Design of Hybrid Network for Video Transmission in Tropical Areas. , 2009, , .		3
31	Measurement-based frame error model for simulating outdoor Wi-Fi networks. IEEE Transactions on Wireless Communications, 2009, 8, 1154-1158.	9.2	18
32	Accuracy limits of in-room localisation using RSSI. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	19
33	Communications and networking over satellites: SatNEx experimental activities and testbeds. International Journal of Satellite Communications and Networking, 2009, 27, 1-33.	1.8	8
34	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
35	Satellite PHY-layer selector design for video applications in tropical areas. , 2009, , .		1
36	Quality of Experience in Satellite video streaming transmissions in urban vehicular environment. , 2009, , .		2

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37	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
38	CostGlue: Simulation Data Exchange in Telecommunications. Simulation, 2008, 84, 157-168.	1.8	0
39	Frame error model in rural Wi-Fi networks. , 2007, , .		22
40	Transport layer protocols and architectures for satellite networks. International Journal of Satellite Communications and Networking, 2007, 25, 1-26.	1.8	46
41	A Tool for Packaging and Exchanging Simulation Results. , 2007, , 443-462.		0
42	Resource Management and Network Layer. , 2007, , 243-286.		0
43	Resource Management and Transport Layer. , 2007, , 289-311.		0
44	An Analysis of TCP Startup over an Experimental DVB-RCS Platform. , 2006, , .		10
45	A tool for packaging and exchanging simulation results. , 2006, , .		6
46	Simulating dynamic bandwidth allocation on satellite links. , 2006, , .		19
47	Packaging Simulation Results With CostGlue. , 2006, , 209-222.		1
48	Bluetooth and wi-fi wireless protocols: a survey and a comparison. IEEE Wireless Communications, 2005, 12, 12-26.	9.0	259
49	Maximizing single connection TCP goodput by trading bandwidth for BER. International Journal of Communication Systems, 2003, 16, 63-79.	2.5	27
50	GaliLEO: A Simulation Tool for LEO Satellite Constellations. Simulation, 2002, 78, 543-551.	1.8	2
51	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
52	Galileo: A Simulation Tool for Leo Satellite Constellations. Kluwer International Series in Engineering and Computer Science, 2002, , 197-212.	0.2	2
53	GSn: A new service type for integrated services on the internet. European Transactions on Telecommunications, 2001, 12, 3-12.	1.2	0
54	Title is missing!. Multimedia Tools and Applications, 2000, 10, 73-97.	3.9	5

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55	Fade countermeasure using signal degradation estimation for demand-assignment satellite systems. Journal of Communications and Networks, 2000, 2, 230-238.	2.6	7
56	A simulation tool to validate and compare satellite TDMA access schemes. Telecommunication Systems, 1999, 12, 21-37.	2.5	4
57	Modeling Ka-band scintillation as a fractal process. IEEE Journal on Selected Areas in Communications, 1999, 17, 164-172.	14.0	5
58	Quality estimation of PSK modulated signals. , 1997, 35, 50-55.		25
59	A Traffic Generator for Testing Communication Systems: Presentation, Implementation and Performance. Real-Time Systems, 1997, 13, 5-24.	1.3	1
60	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
61	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
62	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
63	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
64	EXPERIMENTAL RESULTS OF A DEMAND-ASSIGNMENT THIN ROUTE TDMA SYSTEM. International Journal of Satellite Communications and Networking, 1996, 14, 113-126.	0.6	8
65	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
66	Practical experiences in interconnecting LANs via satellite. Computer Communication Review, 1995, 25, 56-68.	1.8	15
67	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
68	Experimental Results with Forward Erasure Correction and Real Video Streaming in Hybrid Wireless Networks. , 0, , .		9