Luca Mainetti

List of Publications by Year
in descending order

90 papers	**2,402** citations	516710 **16** h-index	276875 **41** g-index
94 all docs	**94** docs citations	**94** times ranked	**2514** citing authors

#	Article	IF	Citations
1	An IoT-Aware Architecture for Smart Healthcare Systems. IEEE Internet of Things Journal, 2015, 2, 515-526.	8.7	850
2	An Indoor Location-Aware System for an IoT-Based Smart Museum. IEEE Internet of Things Journal, 2016, 3, 244-253.	8.7	201
3	A survey on indoor positioning systems. , 2014, , .		192
4	Hypermedia design, analysis, and evaluation issues. Communications of the ACM, 1995, 38, 74-86.	4.5	148
5	A Smart Parking System based on IoT protocols and emerging enabling technologies. , 2015, , .		61
6	A Software Architecture Enabling the Web of Things. IEEE Internet of Things Journal, 2015, 2, 445-454.	8.7	53
7	An innovative and low-cost gapless traceability system of fresh vegetable products using RF technologies and EPCglobal standard. Computers and Electronics in Agriculture, 2013, 98, 146-157.	7.7	52
8	Smart RFID Antenna System for Indoor Tracking and Behavior Analysis of Small Animals in Colony Cages. IEEE Sensors Journal, 2014, 14, 1198-1206.	4.7	52
9	An IoT-aware AAL system for elderly people. , 2016, , .		45
10	An RFID-Based Tracing and Tracking System for the Fresh Vegetables Supply Chain. International Journal of Antennas and Propagation, 2013, 2013, 1-15.	1.2	42
11	An IoT-Aware Architecture for Collecting and Managing Data Related to Elderly Behavior. Wireless Communications and Mobile Computing, 2017, 2017, 1-17.	1.2	31
12	A Cross-Layer Approach to Minimize the Energy Consumption in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 268284.	2.2	29
13	Evaluation of Thermal and Nonthermal Effects of UHF RFID Exposure on Biological Drugs. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1051-1057.	3.2	28
14	Navigation in hypermedia applications: Modeling and semantics. Journal of Organizational Computing and Electronic Commerce, 1996, 6, 211-237.	1.8	27
15	Capturing behavioral changes of elderly people through unobtrusive sensing technologies. , 2016, , .		27
16	Performance Evaluation of an Energy-Efficient MAC Scheduler by using a Test Bed Approach. Journal of Communications Software and Systems, 2017, 9, 84.	0.8	25
17	An animal tracking system for behavior analysis using radio frequency identification. Lab Animal, 2014, 43, 321-327.	0.4	24
18	IDA-Pay: a secure and efficient micro-payment system based on Peer-to-Peer NFC technology for Android mobile devices. Journal of Communications Software and Systems, 2017, 8, 117.	0.8	23

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19	Implementation and testing of an EPCglobal-aware Discovery Service for item-level traceability. , 2009, , .		21
20	An ambient assisted living system for elderly assistance applications. , 2016, , .		20
21	An Energy-Efficient MAC Scheduler based on a Switched-Beam Antenna for Wireless Sensor Networks. Journal of Communications Software and Systems, 2017, 9, 117.	0.8	20
22	Evaluating potential benefits of the use of RFID, EPCglobal, and ebXML in the pharmaceutical supply chain. International Journal of Healthcare Technology and Management, 2012, 13, 198.	0.1	19
23	Evaluation of potential effects of RFID-based item-level tracing systems on the integrity of biological pharmaceutical products. International Journal of RF Technologies: Research and Applications, 2012, 3, 101-118.	0.7	19
24	Performance evaluation of end-to-end security protocols in an Internet of Things. , 2013, , .		19
25	A novel architecture enabling the visual implementation of web of Things applications. , 2013, , .		19
26	An IoT-aware AAL System to Capture Behavioral Changes of Elderly People. Journal of Communications Software and Systems, 2017, 13, 68.	0.8	19
27	A location-aware architecture for heterogeneous building automation systems. , 2015, , .		18
28	A Novel IoT-aware Smart Parking System based on the integration of RFID and WSN technologies. International Journal of RF Technologies: Research and Applications, 2016, 7, 175-199.	0.7	18
29	The use of NFC and Android technologies to enable a KNX-based smart home. , 2013, , .		17
30	Near Field UHF RFID Antenna System Enabling the Tracking of Small Laboratory Animals. International Journal of Antennas and Propagation, 2013, 2013, 1-10.	1.2	16
31	W2000: A Modelling Notation for Complex Web Applications. , 2006, , 335-364.		16
32	Multi-User Virtual Environments for Learning: Experience and Technology Design. IEEE Transactions on Learning Technologies, 2012, 5, 349-365.	3.2	15
33	A novel rule-based semantic architecture for IoT building automation systems. , 2015, , .		13
34	RFID-based tracing systems for drugs: Technological aspects and potential exposure risks. , 2011, , .		12
35	A portal of educational resources: providing evidence for matching pedagogy with technology. Research in Learning Technology, 0, 22, .	2.3	12
36	Discovery and Mash-up of Physical Resources through a Web of Things Architecture. Journal of Communications Software and Systems, 2017, 10, 124.	0.8	12

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37	An IoT-Aware Solution to Support Governments in Air Pollution Monitoring Based on the Combination of Real-Time Data and Citizen Feedback. Sensors, 2022, 22, 1000.	3.8	12
38	An Internet of sport architecture based on emerging enabling technologies. , 2016, , .		9
39	Rich-IDM. , 2010, , .		8
40	Collaborative Process Management for the Networked Enterprise: A Case Study. , 2012, , .		8
41	Implementation of the EXI Schema on Wireless Sensor Nodes Using Contiki. , 2012, , .		8
42	RFID-based efficient method for parking slot car detection. , 2015, , .		8
43	A Location-Aware Architecture for an IoT-Based Smart Museum. International Journal of Electronic Government Research, 2016, 12, 39-55.	1.1	8
44	Augmented Reality for Allowing Time Navigation in Cultural Tourism Experiences: A Case Study. Lecture Notes in Computer Science, 2014, , 296-301.	1.3	8
45	Business Process Design Meets Business Practices Through Enterprise Patterns. International Journal of E-Collaboration, 2014, 10, 57-73.	0.5	8
46	The impact of RF technologies and EPC standard on the fresh vegetables supply chain. International Journal of RF Technologies: Research and Applications, 2013, 5, 1-40.	0.7	7
47	An IoT-aware Architecture to improve Safety in Sports Environments. Journal of Communications Software and Systems, 2017, 13, 44.	0.8	7
48	HEC-MAC: A Hybrid Energy-Aware Cross-Layer MAC Protocol for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 536794.	2.2	7
49	Dialogue†based modeling of rich internet applications: the Rich†IDM approach. International Journal of Web Information Systems, 2012, 8, 157-180.	2.4	6
50	An android multi-protocol application for heterogeneous building automation systems. , 2014, , .		6
51	Information Systems for Knowledge Workers: The Kpeople Enterprise 2.0 Tool. Lecture Notes in Computer Science, 2012, , 804-807.	1.3	6
52	Structuring repositories of educational experiences: A case study. , 2012, , .		5
53	An EPC-based middleware enabling reusable and flexible mixed reality educational experiences. , 2013, , .		5
54	An RFID tracking system supporting the behavior analysis of colonial laboratory animals. International Journal of RF Technologies: Research and Applications, 2013, 5, 63-80.	0.7	5

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55	Loading and Rendering Optimization for Networked Virtual Worlds. , 2007, , .		4
56	An innovative approach to digital engineering services delivery: An application in maintenance. , 2015, , .		4
57	Digiplaza. , 2009, , .		3
58	Effects Evaluation of UHF RFID Systems on the Molecular Structure of Biological Drugs. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	3
59	Combining EPCglobal and HL7 to deploy innovative e-health services for patients affected by multiple intolerances. , 2011, , .		3
60	Ambient Assisted Living for Elderly People Using Smart Personal Assistants. , 2018, , .		3
61	A Case Study to Enable and Monitor Real IT Companies Migrating from Waterfall to Agile. Lecture Notes in Computer Science, 2014, , 119-134.	1.3	3
62	Model-Driven Generation of Collaborative Virtual Environments for Cultural Heritage. Lecture Notes in Computer Science, 2013, , 268-277.	1.3	3
63	An Innovative Educational Format Based on a Mixed Reality Environment: A Case Study and Benefit Evaluation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 93-100.	0.3	3
64	Modal navigation for hypermedia applications. , 1996, , .		2
65	First experiences on constraining consistency and adaptivity of W2000 models. , 2005, , .		2
66	Rich-IDM: Transforming the user experience of legacy applications. , 2011, , .		2
67	Semantic enterprise service bus for cultural heritage. , 2016, , .		2
68	Abstracting IoT Complexity Through an Innovative Virtual Environment. Recent Advances in Communications and Networking Technology, 2017, 6, .	0.1	2
69	Business process awareness to support GDPR compliance. , 2019, , .		2
70	Collaborative Learning through Flexible Web CVE. , 0, , 471-490.		2
71	Blockchain Technology Based on Algorand Applied to Low-Power and Low-Cost IoT Devices. , 2021, , .		2
72	MoWeT: A Configurable Framework to Support Ubiquitous Location-Aware Applications. , 2009, , .		1

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73	Exploiting an IoT local middleware for the orchestration of mobile device sensors to detect outdoor and indoor user positioning. , 2017, , .		1
74	On the effects of introducing agile methodologies in software industry. , 2018, , .		1
75	Streamlining Complexity: Conceptual Page Re-modeling for Rich Internet Applications. Lecture Notes in Computer Science, 2012, , 289-301.	1.3	1
76	Implementation and Validation of a New Protocol Stack Architecture for Embedded Systems. Journal of Communications Software and Systems, 2017, 9, 157.	0.8	1
77	How to Build Effective â€œEdutainmentâ€•Experiences in MUVEs. , 2011, , 115-133.		1
78	A network-based dashboard for cultural heritage promotion in digital environments. International Journal of Entrepreneurship and Small Business, 2019, 36, 453.	0.2	1
79	A multidisciplinary approach to investigate potential exposure risks on drugs of RFID systems. , 2010, , .		0
80	Model-driven and metrics-driven user experience re-modeling for Rich Internet Applications. , 2012, , .		0
81	Adopting Collaborative Workflow Pattern: Lesson Learned. , 2015, , .		0
82	Including Nomadic People in Collaborative E-Learning. , 2011, , 203-224.		0
83	Business Process Design Meets Business Practices through Enterprise Patterns. , 2016, , 1249-1266.		0
84	Modeling of Complex Taxonomy: A Framework for Schema-Driven Exploratory Portal. Lecture Notes in Computer Science, 2016, , 150-161.	1.3	0
85	A Structured Approach to GDPR Compliance. Springer Proceedings in Complexity, 2020, , 233-243.	0.3	0
86	Refactoring the UX of a popular voice application. , 2020, , .		0
87	A Location-Aware Architecture for an IoT-Based Smart Museum. , 2020, , 413-432.		0
88	Potential Impact of RFID-Based Tracing Systems on the Integrity of Pharmaceutical Products. , 0, , 241-263.		0
89	Potential Impact of RFID-Based Tracing Systems on the Integrity of Pharmaceutical Products. , 0, , 1724-1745.		0
90	Enhancing Voice Assistants: A Proactive Approach. , 2021, , .		0