

# Luca Mainetti

## List of Publications by Year in descending order

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Version: 2024-02-01

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 Solution to Support Governments in Air Pollution Monitoring Based on the Combination of Real-Time Data and Citizen Feedback. <i>Sensors</i> , 2022, 22, 1000.	3.8	12
2	Enhancing Voice Assistants: A Proactive Approach. , 2021, , .		0
3	Blockchain Technology Based on Algorand Applied to Low-Power and Low-Cost IoT Devices. , 2021, , .		2
4	A Structured Approach to GDPR Compliance. <i>Springer Proceedings in Complexity</i> , 2020, , 233-243.	0.3	0
5	Refactoring the UX of a popular voice application. , 2020, , .		0
6	A Location-Aware Architecture for an IoT-Based Smart Museum. , 2020, , 413-432.		0
7	A network-based dashboard for cultural heritage promotion in digital environments. <i>International Journal of Entrepreneurship and Small Business</i> , 2019, 36, 453.	0.2	1
8	Business process awareness to support GDPR compliance. , 2019, , .		2
9	On the effects of introducing agile methodologies in software industry. , 2018, , .		1
10	Ambient Assisted Living for Elderly People Using Smart Personal Assistants. , 2018, , .		3
11	Exploiting an IoT local middleware for the orchestration of mobile device sensors to detect outdoor and indoor user positioning. , 2017, , .		1
12	An IoT-aware Architecture to improve Safety in Sports Environments. <i>Journal of Communications Software and Systems</i> , 2017, 13, 44.	0.8	7
13	An IoT-aware AAL System to Capture Behavioral Changes of Elderly People. <i>Journal of Communications Software and Systems</i> , 2017, 13, 68.	0.8	19
14	An Energy-Efficient MAC Scheduler based on a Switched-Beam Antenna for Wireless Sensor Networks. <i>Journal of Communications Software and Systems</i> , 2017, 9, 117.	0.8	20
15	An IoT-Aware Architecture for Collecting and Managing Data Related to Elderly Behavior. <i>Wireless Communications and Mobile Computing</i> , 2017, 2017, 1-17.	1.2	31
16	IDA-Pay: a secure and efficient micro-payment system based on Peer-to-Peer NFC technology for Android mobile devices. <i>Journal of Communications Software and Systems</i> , 2017, 8, 117.	0.8	23
17	Discovery and Mash-up of Physical Resources through a Web of Things Architecture. <i>Journal of Communications Software and Systems</i> , 2017, 10, 124.	0.8	12
18	Performance Evaluation of an Energy-Efficient MAC Scheduler by using a Test Bed Approach. <i>Journal of Communications Software and Systems</i> , 2017, 9, 84.	0.8	25

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19	Implementation and Validation of a New Protocol Stack Architecture for Embedded Systems. Journal of Communications Software and Systems, 2017, 9, 157.	0.8	1
20	Abstracting IoT Complexity Through an Innovative Virtual Environment. Recent Advances in Communications and Networking Technology, 2017, 6, .	0.1	2
21	A Location-Aware Architecture for an IoT-Based Smart Museum. International Journal of Electronic Government Research, 2016, 12, 39-55.	1.1	8
22	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
23	Semantic enterprise service bus for cultural heritage. , 2016, , .		2
24	Capturing behavioral changes of elderly people through unobtrusive sensing technologies. , 2016, , .		27
25	An ambient assisted living system for elderly assistance applications. , 2016, , .		20
26	An Internet of sport architecture based on emerging enabling technologies. , 2016, , .		9
27	An IoT-aware AAL system for elderly people. , 2016, , .		45
28	An Indoor Location-Aware System for an IoT-Based Smart Museum. IEEE Internet of Things Journal, 2016, 3, 244-253.	8.7	201
29	Business Process Design Meets Business Practices through Enterprise Patterns. , 2016, , 1249-1266.		0
30	Modeling of Complex Taxonomy: A Framework for Schema-Driven Exploratory Portal. Lecture Notes in Computer Science, 2016, , 150-161.	1.3	0
31	An innovative approach to digital engineering services delivery: An application in maintenance. , 2015, , .		4
32	Adopting Collaborative Workflow Pattern: Lesson Learned. , 2015, , .		0
33	RFID-based efficient method for parking slot car detection. , 2015, , .		8
34	A novel rule-based semantic architecture for IoT building automation systems. , 2015, , .		13
35	A Smart Parking System based on IoT protocols and emerging enabling technologies. , 2015, , .		61
36	An IoT-Aware Architecture for Smart Healthcare Systems. IEEE Internet of Things Journal, 2015, 2, 515-526.	8.7	850

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37	A location-aware architecture for heterogeneous building automation systems. , 2015, , .		18
38	A Software Architecture Enabling the Web of Things. IEEE Internet of Things Journal, 2015, 2, 445-454.	8.7	53
39	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
40	An android multi-protocol application for heterogeneous building automation systems. , 2014, , .		6
41	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
42	A survey on indoor positioning systems. , 2014, , .		192
43	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
44	An animal tracking system for behavior analysis using radio frequency identification. Lab Animal, 2014, 43, 321-327.	0.4	24
45	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
46	Augmented Reality for Allowing Time Navigation in Cultural Tourism Experiences: A Case Study. Lecture Notes in Computer Science, 2014, , 296-301.	1.3	8
47	Business Process Design Meets Business Practices Through Enterprise Patterns. International Journal of E-Collaboration, 2014, 10, 57-73.	0.5	8
48	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
49	Performance evaluation of end-to-end security protocols in an Internet of Things. , 2013, , .		19
50	A novel architecture enabling the visual implementation of web of Things applications. , 2013, , .		19
51	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
52	The use of NFC and Android technologies to enable a KNX-based smart home. , 2013, , .		17
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	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
56	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
57	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
58	Model-Driven Generation of Collaborative Virtual Environments for Cultural Heritage. Lecture Notes in Computer Science, 2013, , 268-277.	1.3	3
59	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
60	Structuring repositories of educational experiences: A case study. , 2012, , .		5
61	Collaborative Process Management for the Networked Enterprise: A Case Study. , 2012, , .		8
62	Dialogue-based modeling of rich internet applications: the Rich-IDM approach. International Journal of Web Information Systems, 2012, 8, 157-180.	2.4	6
63	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
64	Model-driven and metrics-driven user experience re-modeling for Rich Internet Applications. , 2012, , .		0
65	Implementation of the EXI Schema on Wireless Sensor Nodes Using Contiki. , 2012, , .		8
66	Multi-User Virtual Environments for Learning: Experience and Technology Design. IEEE Transactions on Learning Technologies, 2012, 5, 349-365.	3.2	15
67	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
68	Streamlining Complexity: Conceptual Page Re-modeling for Rich Internet Applications. Lecture Notes in Computer Science, 2012, , 289-301.	1.3	1
69	Information Systems for Knowledge Workers: The Kpeople Enterprise 2.0 Tool. Lecture Notes in Computer Science, 2012, , 804-807.	1.3	6
70	RFID-based tracing systems for drugs: Technological aspects and potential exposure risks. , 2011, , .		12
71	Combining EPCglobal and HL7 to deploy innovative e-health services for patients affected by multiple intolerances. , 2011, , .		3
72	Rich-IDM: Transforming the user experience of legacy applications. , 2011, , .		2

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73	Including Nomadic People in Collaborative E-Learning. , 2011, , 203-224.		0
74	How to Build Effective "Edutainment" Experiences in MUVes. , 2011, , 115-133.		1
75	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
76	Rich-IDM. , 2010, , .		8
77	A multidisciplinary approach to investigate potential exposure risks on drugs of RFID systems. , 2010, , .		0
78	MoWeT: A Configurable Framework to Support Ubiquitous Location-Aware Applications. , 2009, , .		1
79	Digiplaza. , 2009, , .		3
80	Implementation and testing of an EPCglobal-aware Discovery Service for item-level traceability. , 2009, , .		21
81	Loading and Rendering Optimization for Networked Virtual Worlds. , 2007, , .		4
82	W2000: A Modelling Notation for Complex Web Applications. , 2006, , 335-364.		16
83	First experiences on constraining consistency and adaptivity of W2000 models. , 2005, , .		2
84	Modal navigation for hypermedia applications. , 1996, , .		2
85	Navigation in hypermedia applications: Modeling and semantics. Journal of Organizational Computing and Electronic Commerce, 1996, 6, 211-237.	1.8	27
86	Hypermedia design, analysis, and evaluation issues. Communications of the ACM, 1995, 38, 74-86.	4.5	148
87	A portal of educational resources: providing evidence for matching pedagogy with technology. Research in Learning Technology, 0, 22, .	2.3	12
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	Collaborative Learning through Flexible Web CVE. , 0, , 471-490.		2