Carlos Alberto Kamienski

List of Publications by Year
in descending order

87	1,357	687363 13	610901 24
papers	citations	h-index	g-index

87	87	87	1177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Management Architecture for IoT Smart Solutions: Design and Implementation. Journal of Network and Systems Management, 2022, 30, 1.	4.9	7
2	Data reduction based on machine learning algorithms for fog computing in IoT smart agriculture. Biosystems Engineering, 2022, 223, 142-158.	4.3	19
3	Interoperability and Scalability Trade-offs in Open IoT Platforms. , 2022, , .		4
4	Measuring Network Polarization and Political Sectarianism During the 2020 Pandemic. IEEE Transactions on Computational Social Systems, 2022, , 1-16.	4.4	1
5	Soil moisture forecast for smart irrigation: The primetime for machine learning. Expert Systems With Applications, 2022, 207, 117653.	7.6	22
6	IoTracker: A probabilistic event tracking approach for data-intensive IoT smart applications. Internet of Things (Netherlands), 2022, , 100556.	7.7	0
7	A Survey on Trustworthiness for the Internet of Things. IEEE Access, 2021, 9, 42493-42514.	4.2	24
8	Towards a Network Queuing Assessment for Elasticity Management of Virtualized Services. , 2021, , .		1
9	Data resilience system for fog computing. Computer Networks, 2021, 195, 108218.	5.1	5
10	Interoperability in Open IoT Platforms: WoT-FIWARE Comparison and Integration. , 2021, , .		8
11	A Soil Moisture Calibration Service for IoT-based Smart Irrigation. , 2021, , .		2
12	IrrigaSim: An Irrigation Simulation, Processing, and Animation Environment. , 2021, , .		0
13	Data Value Extraction Mechanism in a Resilient Fog-based IoT System for Smart Irrigation. , 2021, , .		0
14	Managing Smart Agriculture: the IoT Entity Management System (IoTEMS). , 2021, , .		0
15	TW-Fogginess: A Trustworthy IoT System based on Mist and Fog Computing. , 2021, , .		0
16	Architecting and Deploying IoT Smart Applications: A Performanceâ€“Oriented Approach. Sensors, 2020, 20, 84.	3.8	40
17	BIoTA: A Buildout IoT Application Language. IEEE Access, 2020, 8, 126443-126459.	4.2	9
18	Enhancing Soil Measurements with a Multi-Depth Sensor for IoT-based Smart Irrigation. , 2020, , .		6

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19	IoT-based Measurement for Smart Agriculture. , 2020, , .		9
20	Profiling of a large-scale municipal wireless network. Wireless Networks, 2020, 26, 5223-5253.	3.0	5
21	A fuzzy irrigation control system. , 2020, , .		3
22	Understanding the tradeoffs of LoRaWAN for IoT-based Smart Irrigation. , 2020, , .		4
23	A Nearest Neighbors based Data Filter for Fog Computing in IoT Smart Agriculture. , 2020, , .		11
24	The SWAMP Farmer App for IoT-based Smart Water Status Monitoring and Irrigation Control. , 2020, , .		5
25	ElasticNFV: an Elasticity Manager for NFV using SDN. IEEE Latin America Transactions, 2019, 17, 167-173.	1.6	0
26	Mapping the NGSI-LD Context Model on Top of a SPARQL Event Processing Architecture: Implementation Guidelines. , 2019, , .		3
27	A digital twin for smart farming. , 2019, , .		56
28	Advancing IoT-Based Smart Irrigation. IEEE Internet of Things Magazine, 2019, 2, 20-25.	2.6	34
29	Foundations of Data Quality Assurance for IoT-based Smart Applications. , 2019, , .		7
30	End-to-End Security in the IoT Computing Continuum: Perspectives in the SWAMP Project. , 2019, , .		4
31	Smart Water Management Platform: IoT-Based Precision Irrigation for Agriculture. Sensors, 2019, 19, 276.	3.8	281
32	Context Design and Tracking for IoT-Based Energy Management in Smart Cities. IEEE Internet of Things Journal, 2018, 5, 687-695.	8.7	32
33	SWAMP: an IoT-based Smart Water Management Platform for Precision Irrigation in Agriculture. , 2018, , .		47
34	Scalability of an Internet of Things Platform for Smart Water Management for Agriculture. , 2018, , .		15
35	Scalability of Real-Time IoT-based Applications for Smart Cities. , 2018, , .		10
36	Profiling Service Function Chaining Behavior for NFV Orchestration. , 2018, , .		3

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37	Social Networks as Real-time Data Distribution Platforms for Smart Cities. , 2018, , .		2
38	SWAMP: Smart Water Management Platform Overview and Security Challenges. , 2018, , .		18
39	XMPP-based infrastructure for IoT network management and rapid services and applications development. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 443-457.	2.5	10
40	Application development for the Internet of Things: A context-aware mixed criticality systems development platform. Computer Communications, 2017, 104, 1-16.	5.1	39
41	Connecting the Internet of Things rapidly through a model driven approach. , 2016, , .		7
42	Assessing the effectiveness of automated service composition. Journal of the Brazilian Computer Society, 2016, 22, .	1.3	0
43	Context-aware energy efficiency management for smart buildings. , 2015, , .		17
44	A flexible DHT-based directory service for information management. Peer-to-Peer Networking and Applications, 2015, 8, 512-531.	3.9	2
45	Elasticity Management in Private and Hybrid Clouds. , 2014, , .		7
46	Conducting Network Research in Large-Scale Platforms: Avoiding Pitfalls in PlanetLab. , 2014, , .		4
47	Flexible Execution of Adaptable Composed Services. , 2014, , .		0
48	IoT Link: An Internet of Things Prototyping Toolkit. , 2014, , .		18
49	The importance of geographic locality for online information diffusion. , 2014, , .		0
50	A path to automated service creation via semi-automation levels. Journal of the Brazilian Computer Society, 2014, 20, .	1.3	3
51	E2ECloud: Composition and execution of end-to-end services in the cloud. , 2014, , .		4
52	2013 IEEE Latin America Conference on Cloud Computing and Communications [Global Communications Newsletter]. IEEE Communications Magazine, 2014, 52, 1-4.	6.1	0
53	Tasks meet flows: Merging two paradigms in a Cloud applications development platform. , 2013, , .		1
54	Workflow specification and scheduling with security constraints in hybrid clouds. , 2013, , .		11

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55	An integrated composition model for collaboration in the cloud. , 2012, , .		2
56	Profiling core operations for elasticity in cloud environments. , 2012, , .		5
57	Deep packet inspection tools and techniques in commodity platforms: Challenges and trends. Journal of Network and Computer Applications, 2012, 35, 1863-1878.	9.1	40
58	Using Virtual Worlds in distance learning environments. , 2011, , .		6
59	AltoStratus: A Collaboration Network Focused on the New Research Challenges and Opportunities in Cloud Computing. , 2011, , .		0
60	Facilitating Service Creation via Partial Specification and Automated Composition. , 2011, , .		2
61	SimP2P: A Peer-to-Peer System for Texture Distribution in Social Virtual Worlds. , 2011, , .		1
62	Better network traffic identification through the independent combination of techniques. Journal of Network and Computer Applications, 2010, 33, 433-446.	9.1	79
63	Most Wanted Internet Applications: A Framework for P2P Identification. , 2010, , .		4
64	Service creation and execution with the Service Refinement Cycle. , 2010, , .		6
65	Managing the Future Internet. , 2010, , 197-225.		0
66	Policy Processing: Don't Take it for Granted. , 2009, , .		0
67	Traffic analysis and synthetic models of second life. Multimedia Systems, 2009, 15, 33-47.	4.7	13
68	A Survey on Internet Traffic Identification. IEEE Communications Surveys and Tutorials, 2009, 11, 37-52.	39.4	294
69	Goal-Based Service Creation Using Autonomic Entities. Lecture Notes in Computer Science, 2009, , 29-43.	1.3	2
70	A stratified traffic sampling methodology for seeing the big picture. Computer Networks, 2008, 52, 2677-2689.	5.1	18
71	A step towards understanding Joost IPTV. , 2008, , .		4
72	Effective implementation of network composition for ambient networks. , 2008, , .		2

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73	Design and implementation of a policy-based management framework for Ambient Networks: Choices and lessons learned. , 2008, , .		3
74	Policies for the Management of Ambient Networks: From Theory to Practice. , 2008, , .		2
75	XACML-Based Composition Policies for Ambient Networks. , 2007, , .		7
76	Trends in network and device composition. , 2006, 44, 112-118.		2
77	The case for interdomain dynamic QoS-based service negotiation in the internet. Computer Communications, 2004, 27, 622-637.	5.1	9
78	Strategies for provisioning end-to-end QoS-based services in a multi-domain scenario. Teletraffic Science and Engineering, 2003, , 1031-1040.	0.4	6
79	Accurate and fast replication on the generation of fractal network traffic using alternative probability models. , 2003, 5244, 154.		7
80	On the Use of Peer-to-Peer Architectures for the Management of Highly Dynamic Environments. , 0, , .		5
81	PBMAN: A Policy-Based Management Framework for Ambient Networks. , 0, , .		8
82	Profiling Online Social Network Platforms: Twitter vs. Instagram. , 0, , .		4
83	A Polarization Approach for Understanding Online Conflicts in Times of Pandemic: A Brazilian Case Study. , 0, , .		4
84	Dynamics of Conflicts on the Twitter Social Network: a case study on the use of chloroquine in Brazil. , 0, , .		2
85	Desempenho e Escalabilidade de Plataformas Livres de IoT. , 0, , .		0
86	CaracterizaÃ§Ã£o de FunÃ§Ãµes Virtuais de Rede e AplicaÃ§Ã£o para Gerenciamento de Elasticidade de ServiÃ§os. , 0, , .		0
87	ResiliÃªncia de Dados entre a NÃ©voa e a Nuvem na Internet das Coisas. , 0, , .		0