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 Survey on Internet Traffic Identification. IEEE Communications Surveys and Tutorials, 2009, 11, 37-52.	39.4	294
2	Smart Water Management Platform: IoT-Based Precision Irrigation for Agriculture. Sensors, 2019, 19, 276.	3.8	281
3	Better network traffic identification through the independent combination of techniques. Journal of Network and Computer Applications, 2010, 33, 433-446.	9.1	79
4	A digital twin for smart farming. , 2019, , .		56
5	SWAMP: an IoT-based Smart Water Management Platform for Precision Irrigation in Agriculture. , 2018, , .		47
6	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
7	Architecting and Deploying IoT Smart Applications: A Performanceâ€“Oriented Approach. Sensors, 2020, 20, 84.	3.8	40
8	Application development for the Internet of Things: A context-aware mixed criticality systems development platform. Computer Communications, 2017, 104, 1-16.	5.1	39
9	Advancing IoT-Based Smart Irrigation. IEEE Internet of Things Magazine, 2019, 2, 20-25.	2.6	34
10	Context Design and Tracking for IoT-Based Energy Management in Smart Cities. IEEE Internet of Things Journal, 2018, 5, 687-695.	8.7	32
11	A Survey on Trustworthiness for the Internet of Things. IEEE Access, 2021, 9, 42493-42514.	4.2	24
12	Soil moisture forecast for smart irrigation: The primetime for machine learning. Expert Systems With Applications, 2022, 207, 117653.	7.6	22
13	Data reduction based on machine learning algorithms for fog computing in IoT smart agriculture. Biosystems Engineering, 2022, 223, 142-158.	4.3	19
14	A stratified traffic sampling methodology for seeing the big picture. Computer Networks, 2008, 52, 2677-2689.	5.1	18
15	IoT Link: An Internet of Things Prototyping Toolkit. , 2014, , .		18
16	SWAMP: Smart Water Management Platform Overview and Security Challenges. , 2018, , .		18
17	Context-aware energy efficiency management for smart buildings. , 2015, , .		17
18	Scalability of an Internet of Things Platform for Smart Water Management for Agriculture. , 2018, , .		15

#	Article	IF	Citations
19	Traffic analysis and synthetic models of second life. Multimedia Systems, 2009, 15, 33-47.	4.7	13
20	Workflow specification and scheduling with security constraints in hybrid clouds. , 2013, , .		11
21	A Nearest Neighbors based Data Filter for Fog Computing in IoT Smart Agriculture. , 2020, , .		11
22	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
23	Scalability of Real-Time IoT-based Applications for Smart Cities. , 2018, , .		10
24	The case for interdomain dynamic QoS-based service negotiation in the internet. Computer Communications, 2004, 27, 622-637.	5.1	9
25	BIoTA: A Buildout IoT Application Language. IEEE Access, 2020, 8, 126443-126459.	4.2	9
26	IoT-based Measurement for Smart Agriculture. , 2020, , .		9
27	PBMAN: A Policy-Based Management Framework for Ambient Networks. , 0, , .		8
28	Interoperability in Open IoT Platforms: WoT-FIWARE Comparison and Integration. , 2021, , .		8
29	Accurate and fast replication on the generation of fractal network traffic using alternative probability models. , 2003, 5244, 154.		7
30	XACML-Based Composition Policies for Ambient Networks. , 2007, , .		7
31	Elasticity Management in Private and Hybrid Clouds. , 2014, , .		7
32	Connecting the Internet of Things rapidly through a model driven approach. , 2016, , .		7
33	Foundations of Data Quality Assurance for IoT-based Smart Applications. , 2019, , .		7
34	A Management Architecture for IoT Smart Solutions: Design and Implementation. Journal of Network and Systems Management, 2022, 30, 1.	4.9	7
35	Strategies for provisioning end-to-end QoS-based services in a multi-domain scenario. Teletraffic Science and Engineering, 2003, , 1031-1040.	0.4	6
36	Service creation and execution with the Service Refinement Cycle. , 2010, , .		6

#	Article	IF	Citations
37	Using Virtual Worlds in distance learning environments. , 2011, , .		6
38	Enhancing Soil Measurements with a Multi-Depth Sensor for IoT-based Smart Irrigation. , 2020, , .		6
39	On the Use of Peer-to-Peer Architectures for the Management of Highly Dynamic Environments. , 0, , .		5
40	Profiling core operations for elasticity in cloud environments. , 2012, , .		5
41	Profiling of a large-scale municipal wireless network. Wireless Networks, 2020, 26, 5223-5253.	3.0	5
42	Data resilience system for fog computing. Computer Networks, 2021, 195, 108218.	5.1	5
43	The SWAMP Farmer App for IoT-based Smart Water Status Monitoring and Irrigation Control. , 2020, , .		5
44	A step towards understanding Joost IPTV. , 2008, , .		4
45	Most Wanted Internet Applications: A Framework for P2P Identification. , 2010, , .		4
46	Conducting Network Research in Large-Scale Platforms: Avoiding Pitfalls in PlanetLab. , 2014, , .		4
47	E2ECloud: Composition and execution of end-to-end services in the cloud. , 2014, , .		4
48	End-to-End Security in the IoT Computing Continuum: Perspectives in the SWAMP Project. , 2019, , .		4
49	Profiling Online Social Network Platforms: Twitter vs. Instagram. , 0, , .		4
50	A Polarization Approach for Understanding Online Conflicts in Times of Pandemic: A Brazilian Case Study. , 0, , .		4
51	Understanding the tradeoffs of LoRaWAN for IoT-based Smart Irrigation. , 2020, , .		4
52	Interoperability and Scalability Trade-offs in Open IoT Platforms. , 2022, , .		4
53	Design and implementation of a policy-based management framework for Ambient Networks: Choices and lessons learned. , 2008, , .		3
54	A path to automated service creation via semi-automation levels. Journal of the Brazilian Computer Society, 2014, 20, .	1.3	3

#	Article	IF	Citations
55	Profiling Service Function Chaining Behavior for NFV Orchestration. , 2018, , .		3
56	Mapping the NGSI-LD Context Model on Top of a SPARQL Event Processing Architecture: Implementation Guidelines. , 2019, , .		3
57	A fuzzy irrigation control system. , 2020, , .		3
58	Trends in network and device composition. , 2006, 44, 112-118.		2
59	Effective implementation of network composition for ambient networks. , 2008, , .		2
60	Policies for the Management of Ambient Networks: From Theory to Practice. , 2008, , .		2
61	Facilitating Service Creation via Partial Specification and Automated Composition. , 2011, , .		2
62	An integrated composition model for collaboration in the cloud. , 2012, , .		2
63	A flexible DHT-based directory service for information management. Peer-to-Peer Networking and Applications, 2015, 8, 512-531.	3.9	2
64	Social Networks as Real-time Data Distribution Platforms for Smart Cities. , 2018, , .		2
65	Dynamics of Conflicts on the Twitter Social Network: a case study on the use of chloroquine in Brazil. , 0, , .		2
66	Goal-Based Service Creation Using Autonomic Entities. Lecture Notes in Computer Science, 2009, , 29-43.	1.3	2
67	A Soil Moisture Calibration Service for IoT-based Smart Irrigation. , 2021, , .		2
68	SimP2P: A Peer-to-Peer System for Texture Distribution in Social Virtual Worlds. , 2011, , .		1
69	Tasks meet flows: Merging two paradigms in a Cloud applications development platform. , 2013, , .		1
70	Towards a Network Queuing Assessment for Elasticity Management of Virtualized Services. , 2021, , .		1
71	Measuring Network Polarization and Political Sectarianism During the 2020 Pandemic. IEEE Transactions on Computational Social Systems, 2022, , 1-16.	4.4	1
72	Policy Processing: Don't Take it for Granted. , 2009, , .		0

#	Article	IF	Citations
73	AltoStratus: A Collaboration Network Focused on the New Research Challenges and Opportunities in Cloud Computing. , 2011, , .		0
74	Flexible Execution of Adaptable Composed Services. , 2014, , .		0
75	The importance of geographic locality for online information diffusion. , 2014, , .		0
76	2013 IEEE Latin America Conference on Cloud Computing and Communications [Global Communications Newsletter]. IEEE Communications Magazine, 2014, 52, 1-4.	6.1	0
77	Assessing the effectiveness of automated service composition. Journal of the Brazilian Computer Society, 2016, 22, .	1.3	0
78	ElasticNFV: an Elasticity Manager for NFV using SDN. IEEE Latin America Transactions, 2019, 17, 167-173.	1.6	0
79	Managing the Future Internet. , 2010, , 197-225.		0
80	Desempenho e Escalabilidade de Plataformas Livres de IoT. , 0, , .		0
81	CaracterizaÃ§Ã£o de FunÃ§Ãµes Virtuais de Rede e AplicaÃ§Ã£o para Gerenciamento de Elasticidade de ServiÃ§os. , 0, , .		0
82	ResiliÃªncia de Dados entre a NÃ©voa e a Nuvem na Internet das Coisas. , 0, , .		0
83	IrrigaSim: An Irrigation Simulation, Processing, and Animation Environment. , 2021, , .		0
84	Data Value Extraction Mechanism in a Resilient Fog-based IoT System for Smart Irrigation. , 2021, , .		0
85	Managing Smart Agriculture: the IoT Entity Management System (IoTEMS). , 2021, , .		0
86	TW-Fogginess: A Trustworthy IoT System based on Mist and Fog Computing. , 2021, , .		0
87	IoTracker: A probabilistic event tracking approach for data-intensive IoT smart applications. Internet of Things (Netherlands), 2022, , 100556.	7.7	0