Danny Hughes

List of Publications by Year
in descending order

35	527	1163117 8	1199594 12
papers	citations	h-index	g-index

35	35	35	474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extending sensor networks into the Cloud using Amazon Web Services. , 2010, , .		75
2	LooCI. , 2009, , .		66
3	DeltaIoT: A Self-Adaptive Internet of Things Exemplar. , 2017, , .		48
4	Experiences with open overlays. , 2008, , .		39
5	A middleware platform to support river monitoring using wireless sensor networks. Journal of the Brazilian Computer Society, 2011, 17, 85-102.	1.3	37
6	Composition challenges and approaches for cyber physical systems. , 2010, , .		35
7	An experiment with reflective middleware to support gridâ€based flood monitoring. Concurrency Computation Practice and Experience, 2008, 20, 1303-1316.	2.2	34
8	Towards the provision of site specific flood warnings using wireless sensor networks. Meteorological Applications, 2009, 16, 57-64.	2.1	25
9	S The Security MicroVisor: A Formally-Verified Software-Based Security Architecture for the Internet of Things. IEEE Transactions on Dependable and Secure Computing, 2019, 16, 885-901.	5.4	21
10	S Î¼ V - the security microvisor. , 2017, , .		18
11	SecLooCI: A comprehensive security middleware architecture for shared wireless sensor networks. Ad Hoc Networks, 2015, 25, 141-169.	5.5	17
12	Measuring and Modeling the Energy Cost of Reconfiguration in Sensor Networks. IEEE Sensors Journal, 2015, 15, 3381-3389.	4.7	12
13	SPEED. , 2018, , .		11
14	Streamlining Development for Networked Embedded Systems Using Multiple Paradigms. IEEE Software, 2010, 27, 45-52.	1.8	10
15	Applying a Multi-paradigm Approach to Implementing Wireless Sensor Network Based River Monitoring. , 2010, , .		9
16	A Component and Policy-Based Approach for Efficient Sensor Network Reconfiguration. , 2012, , .		8
17	Niflheim: An end-to-end middleware for applications on a multi-tier IoT infrastructure. , 2017, , .		8
18	Fine-Grained Tailoring of Component Behaviour for Embedded Systems. Lecture Notes in Computer Science, 2009, , 156-167.	1.3	8

#	Article	IF	Citations
19	Towards fine-grained and application-centric access control for wireless sensor networks. , 2010, , .		7
20	Supporting reconfiguration and re-use through self-describing component interfaces. , 2010, , .		7
21	Experiences with open overlays. Operating Systems Review (ACM), 2008, 42, 123-136.	1.9	6
22	Middleware Support for Dynamic Sensing Applications. , 2016, , .		5
23	Towards More Scalable and Secure LPWAN Networks Using Cryptographic Frequency Hopping. , 2019, , .		5
24	A reconfigurable component model with semantic type system for dynamic WSN applications. Journal of Internet Services and Applications, 2012, 3, 277-290.	2.1	4
25	Eliminating implicit dependencies in component models. , 2011, , .		3
26	Formal analysis of policies in wireless sensor network applications. , 2012, , .		3
27	Policy-Driven Tailoring of Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 20-35.	0.3	3
28	Resource Management Middleware to Support Self Managing Wireless Sensor Networks. , 2010, , .		1
29	Enabling Massive Scale Sensing with the @LooCI Mobile Sensing Framework. , 2012, , .		1
30	Types in Their Prime: Sub-typing of Data in Resource Constrained Environments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 250-261.	0.3	1
31	Multi-network video streaming in a campus visit scenario. , 2010, , .		0
32	Building blocks for secure multiparty federated wireless sensor networks. , 2011, , .		0
33	Exploiting safe parallelism in Wireless Sensor Networks: A generic and reconfigurable approach. , 2012, , .		0
34	S-Theory: A Unified Theory of Multi-paradigm Software Development. Lecture Notes in Computer Science, 2013, , 715-722.	1.3	0
35	Safe Reparametrization of Component-Based WSNs. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 524-536.	0.3	0