Sylvain Kubler

List of Publications by Year
in descending order

61 papers	1,364 citations	471509 17 h-index	395702 33 g-index
64 all docs	64 docs citations	64 times ranked	1306 citing authors

#	Article	IF	Citations
1	A state-of the-art survey & testbed of fuzzy AHP (FAHP) applications. Expert Systems With Applications, 2016, 65, 398-422.	7.6	325
2	Opportunities for enhanced lean construction management using Internet of Things standards. Automation in Construction, 2016, 61, 86-97.	9.8	180
3	Comparison of metadata quality in open data portals using the Analytic Hierarchy Process. Government Information Quarterly, 2018, 35, 13-29.	6.8	74
4	Universal Messaging Standards for the IoT From a Lifecycle Management Perspective. IEEE Internet of Things Journal, 2014, 1, 319-327.	8.7	63
5	A Replicable Comparison Study of NER Software: StanfordNLP, NLTK, OpenNLP, SpaCy, Gate. , 2019, , .		59
6	Open IoT Ecosystem for Sporting Event Management. IEEE Access, 2017, 5, 7064-7079.	4.2	50
7	Innovative blockchain-based farming marketplace and smart contract performance evaluation. Journal of Cleaner Production, 2021, 306, 127055.	9.3	49
8	Open IoT Ecosystem for Enhanced Interoperability in Smart Citiesâ€"Example of MÃ©tropole De Lyon. Sensors, 2017, 17, 2849.	3.8	41
9	Artificial intelligence-enabled context-aware air quality prediction for smart cities. Journal of Cleaner Production, 2020, 271, 121941.	9.3	38
10	A standardized approach to deal with firewall and mobility policies in the IoT. Pervasive and Mobile Computing, 2015, 20, 100-114.	3.3	36
11	Measuring inconsistency and deriving priorities from fuzzy pairwise comparison matrices using the knowledge-based consistency index. Knowledge-Based Systems, 2018, 162, 147-160.	7.1	29
12	Enhanced Lightning Network (off-chain)-based micropayment in IoT ecosystems. Future Generation Computer Systems, 2020, 112, 283-296.	7.5	29
13	Group fuzzy AHP approach to embed relevant data on â€œcommunicating materialâ€. Computers in Industry, 2014, 65, 675-692.	9.9	24
14	P2P Data synchronization for product lifecycle management. Computers in Industry, 2015, 66, 82-98.	9.9	23
15	Enhanced Product Lifecycle Information Management using â€œcommunicating materialsâ€. CAD Computer Aided Design, 2015, 59, 192-200.	2.7	23
16	IoT-based Smart Parking System for Sporting Event Management. , 2016, , .		21
17	Open Data Portal Quality Comparison using AHP. , 2016, , .		20
18	Data quality assessment of maintenance reporting procedures. Expert Systems With Applications, 2016, 63, 145-164.	7.6	19

#	Article	IF	Citations
19	bIoTope: Building an IoT Open Innovation Ecosystem for Smart Cities. IEEE Access, 2020, 8, 224318-224342.	4.2	19
20	Embedding data on â€œcommunicating materialsâ€•from context-sensitive information analysis. Journal of Intelligent Manufacturing, 2014, 25, 1053-1064.	7.3	17
21	Linked Vocabulary Recommendation Tools for Internet of Things. ACM Computing Surveys, 2019, 51, 1-31.	23.0	15
22	O-MI/O-DF standards as interoperability enablers for Industrial Internet: A performance analysis. , 2016, , .		13
23	Opportunity to Leverage Information-as-an-Asset in the IoT -- The Road Ahead. , 2015, , .		12
24	Towards semantic interoperability in an open IoT ecosystem for connected vehicle services. , 2017, , .		12
25	Technological Theory of Cloud Manufacturing. Studies in Computational Intelligence, 2016, , 267-276.	0.9	11
26	Benefit-cost model for comparing data center performance from a biomimicry perspective. Journal of Cleaner Production, 2019, 231, 817-834.	9.3	11
27	Standardized Framework for Integrating Domain-Specific Applications into the IoT. , 2014, , .		10
28	PROFICIENT. , 2017, , .		10
29	Data supply chain in Industrial Internet. , 2015, , .		9
30	Profiling household appliance electricity usage with N-gram language modeling. , 2016, , .		9
31	Micro-billing Framework for IoT: Research &amp; Technological Foundations. , 2016, , .		9
32	BlockPerf: A Hybrid Blockchain Emulator/Simulator Framework. IEEE Access, 2021, 9, 107858-107872.	4.2	9
33	QLM Messaging Standards: Introduction and Comparison with Existing Messaging Protocols. Studies in Computational Intelligence, 2014, , 237-256.	0.9	9
34	Enriching a Situation Awareness Framework for IoT with Knowledge Base and Reasoning Components. Lecture Notes in Computer Science, 2017, , 41-54.	1.3	9
35	Method for embedding context-sensitive information on â€œcommunicating textilesâ€•via fuzzy AHP. Journal of Intelligent and Fuzzy Systems, 2014, 26, 597-610.	1.4	7
36	CAVisAP: Context-Aware Visualization of Outdoor Air Pollution with IoT Platforms. , 2019, , .		7

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37	Lifecycle Management in the Smart City Context: Smart Parking Use-Case. IFIP Advances in Information and Communication Technology, 2016, , 631-641.	0.7	7
38	MyAQI. , 2019, , .		4
39	Information dissemination process for context-aware products. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 667-672.	0.4	3
40	A fuzzy analytic hierarchy process for group decision making: Application for embedding information on communicating materials. , 2012, , .		3
41	Dual path communications over multiple spanning trees for networked control systems. Engineering Applications of Artificial Intelligence, 2012, 25, 1460-1470.	8.1	3
42	Methods of aggregation of expert opinions in the framework of intelligent products. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 163-168.	0.4	3
43	Product Specification in a Service-Oriented Holonic Manufacturing System using Petri-Nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 342-347.	0.4	3
44	Knowledge-based consistency index for fuzzy pairwise comparison matrices. , 2017, , .		3
45	Popularity-Driven Ontology Ranking Using Qualitative Features. Lecture Notes in Computer Science, 2019, , 329-346.	1.3	3
46	Building Lifecycle Management System for Enhanced Closed Loop Collaboration. IFIP Advances in Information and Communication Technology, 2016, , 423-432.	0.7	3
47	LOVBench: Ontology Ranking Benchmark. , 2020, , .		3
48	Embedding Information on Communicating Materials from Context-Sensitive Information Analysis Based on Fuzzy AHP Theory. , 2012, , .		2
49	Information dissemination framework for context-aware products. Computers and Industrial Engineering, 2013, 66, 485-500.	6.3	2
50	Combined use of lifecycle management and IoT in smart cities. , 2017, , .		2
51	O-MI/O-DF vs. MQTT: A performance analysis. , 2018, , .		2
52	Key Factors for Information Dissemination on Communicating Products and Fixed Databases. Studies in Computational Intelligence, 2012, , 89-102.	0.9	2
53	Application of Measurement-Based AHP to Product-Driven System Control. Studies in Computational Intelligence, 2017, , 249-258.	0.9	2
54	Towards data exchange interoperability in building lifecycle management. , 2014, , .		1

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55	Peer-to-Peer Data Synchronization Agents. , 2014, , .		1
56	Deferred Retrieval of IoT Information Using QLM Messaging Interface. Communications in Computer and Information Science, 2013, , 57-65.	0.5	1
57	Data Quality Assessment of Company's Maintenance Reporting: A Case Study. , 2015, , .		1
58	Reasoning over Knowledge-Based Generation of Situations in Context Spaces to Reduce Food Waste. Lecture Notes in Computer Science, 2016, , 101-114.	1.3	1
59	Dependability of switched network architectures for Networked Control Systems. , 2011, , .		0
60	Quality-by-Design-engineered pBFT Consensus Configuration for Medical Device Development. , 2020, 2020, 5709-5713.		0
61	Two-Way Communications Through Firewalls Using QLM Messaging. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 743-747.	0.3	0