Schahram Dustdar

List of Publications by Year
in descending order

708 papers	21,576 citations	26567 56 h-index	19136 118 g-index
750 all docs	750 docs citations	750 times ranked	12038 citing authors

#	Article	IF	Citations
1	Context-Aware Routing in Fog Computing Systems. IEEE Transactions on Cloud Computing, 2023, 11, 532-549.	3.1	7
2	On Distributed Computing Continuum Systems. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 4092-4105.	4.0	33
3	Task Offloading for Cloud-Assisted Fog Computing With Dynamic Service Caching in Enterprise Management Systems. IEEE Transactions on Industrial Informatics, 2023, 19, 662-672.	7.2	43
4	Distributed Redundant Placement for Microservice-based Applications at the Edge. IEEE Transactions on Services Computing, 2022, 15, 1732-1745.	3.2	50
5	A Decentralized Approach for Resource Discovery using Metadata Replication in Edge Networks. IEEE Transactions on Services Computing, 2022, 15, 2526-2537.	3.2	10
6	EdgeFlow—Developing and Deploying Latency-Sensitive IoT Edge Applications. IEEE Internet of Things Journal, 2022, 9, 3877-3888.	5.5	8
7	DPoS: Decentralized, Privacy-Preserving, and Low-Complexity Online Slicing for Multi-Tenant Networks. IEEE Transactions on Mobile Computing, 2022, 21, 4296-4309.	3.9	16
8	A Lightweight Collaborative Deep Neural Network for the Mobile Web in Edge Cloud. IEEE Transactions on Mobile Computing, 2022, 21, 2289-2305.	3.9	17
9	Edge-Based Runtime Verification for the Internet of Things. IEEE Transactions on Services Computing, 2022, 15, 2713-2727.	3.2	7
10	Adaptive Management of Volatile Edge Systems at Runtime With Satisfiability. ACM Transactions on Internet Technology, 2022, 22, 1-21.	3.0	5
11	Resource Management for Latency-Sensitive IoT Applications With Satisfiability. IEEE Transactions on Services Computing, 2022, 15, 2982-2993.	3.2	14
12	Edge AR X5: An Edge-Assisted Multi-User Collaborative Framework for Mobile Web Augmented Reality in 5G and Beyond. IEEE Transactions on Cloud Computing, 2022, 10, 2521-2537.	3.1	23
13	Edge-Based Autonomous Management of Vertical Farms. IEEE Internet Computing, 2022, 26, 68-75.	3.2	3
14	On System Stability in Multitier Roadside Computing Toward an Intelligent Transportation. IEEE Transactions on Network Science and Engineering, 2022, 9, 1128-1138.	4.1	0
15	Adaptive density peaks clustering: Towards exploratory EEG analysis. Knowledge-Based Systems, 2022, 240, 108123.	4.0	8
16	Dependent Function Embedding for Distributed Serverless Edge Computing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2346-2357.	4.0	24
17	Mobility-Aware Offloading and Resource Allocation for Distributed Services Collaboration. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2428-2443.	4.0	15
18	Spatial-Keyword Skyline Publish/Subscribe Query Processing Over Distributed Sliding Window Streaming Data. IEEE Transactions on Computers, 2022, 71, 2659-2674.	2.4	3

#	Article	IF	Citations
19	A Service Pattern-Oriented Computing Architecture for Service Ecosystems. IEEE Internet Computing, 2022, 26, 51-59.	3.2	4
20	Guest Editorial Special Issue on Secure Data Analytics for Emerging Internet of Things. IEEE Internet of Things Journal, 2022, 9, 2463-2467.	5.5	0
21	Task Partitioning and Orchestration on Heterogeneous Edge Platforms: The Case of Vision Applications. IEEE Internet of Things Journal, 2022, 9, 7418-7432.	5.5	9
22	Sharing Reputation Data Across Online Communities, Challenges and future directions. IEEE Internet Computing, 2022, , 1-1.	3.2	0
23	Roadmap for edge AI. Computer Communication Review, 2022, 52, 28-33.	1.5	29
24	Evidence fusion-based alarm system design considering coarse and fine changes of process variable. Journal of Process Control, 2022, 113, 68-79.	1.7	2
25	AI for next generation computing: Emerging trends and future directions. Internet of Things (Netherlands), 2022, 19, 100514.	4.9	202
26	DECENT: A Decentralized Configurator for Controlling Elasticity in Dynamic Edge Networks. ACM Transactions on Internet Technology, 2022, 22, 1-21.	3.0	8
27	Utilizing AI Planning on the Edge. IEEE Internet Computing, 2022, 26, 28-35.	3.2	4
28	Remote Sensing Image Interpretation With Semantic Graph-Based Methods: A Survey. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4544-4558.	2.3	5
29	A Data Protection Focused Adaptation Engine for Distributed Video Analytics Pipelines. IEEE Access, 2022, 10, 68669-68685.	2.6	1
30	PupilRec: Leveraging Pupil Morphology for Recommending on Smartphones. IEEE Internet of Things Journal, 2022, 9, 15538-15553.	5.5	26
31	IEEE Transactions on Sustainable Computing Special Issue on Sustainability of Fog/Edge Computing Systems. IEEE Transactions on Sustainable Computing, 2022, 7, 248-249.	2.2	0
32	Specification and Operation of Privacy Models for Data Streams on the Edge. , 2022, , .		4
33	AoDNN: An Auto-Offloading Approach to Optimize Deep Inference for Fostering Mobile Web. , 2022, , .		7
34	Toward Software-Defined Networking-Based IoT Frameworks: A Systematic Literature Review, Taxonomy, Open Challenges and Prospects. IEEE Access, 2022, 10, 70850-70901.	2.6	35
35	OTA-TinyML: Over the Air Deployment of TinyML Models and Execution on IoT Devices. IEEE Internet Computing, 2022, 26, 69-78.	3.2	8
36	Microservices: Migration of a Mission Critical System. IEEE Transactions on Services Computing, 2021, 14, 1464-1477.	3.2	21

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37	Optimal Application Deployment in Resource Constrained Distributed Edges. IEEE Transactions on Mobile Computing, 2021, 20, 1907-1923.	3.9	98
38	Optimized container scheduling for data-intensive serverless edge computing. Future Generation Computer Systems, 2021, 114, 259-271.	4.9	100
39	EdgeBooster: Edge-Assisted Real-Time Image Segmentation for the Mobile Web in WoT. IEEE Internet of Things Journal, 2021, 8, 7288-7302.	5.5	3
40	Revisiting the Arguments for Edge Computing Research. IEEE Internet Computing, 2021, 25, 36-42.	3.2	22
41	Towards IoT Processes on the Edge. Lecture Notes in Computer Science, 2021, , 167-178.	1.0	5
42	Connectivity Technology Selection and Deployment Strategies for IoT Service Provision Over LPWAN. IEEE Internet Computing, 2021, 25, 61-70.	3.2	5
43	Serverless Edge Computing: Vision and Challenges. , 2021, , .		92
44	The Sky is the Edgeâ€"Toward Mobile Coverage From the Sky. IEEE Internet Computing, 2021, 25, 101-108.	3.2	11
45	Towards a Platform for Smart City-Scale Cognitive Assistance Applications. , 2021, , .		8
46	A Privacy Preserving System for AI-assisted Video Analytics. , 2021, , .		6
47	Toward Distributed, Global, Deep Learning Using IoT Devices. IEEE Internet Computing, 2021, 25, 6-12.	3.2	9
48	Interhost Orchestration Platform Architecture for Ultrascale Cloud Applications. IEEE Internet Computing, 2021, 25, 23-30.	3.2	0
49	A novel nonlinear causal inference approach using vectorâ€‘based belief rule base. International Journal of Intelligent Systems, 2021, 36, 5005-5027.	3.3	9
50	Control Flow Versus Data Flow in Distributed Systems Integration: Revival of Flow-Based Programming for the Industrial Internet of Things. IEEE Internet Computing, 2021, 25, 5-12.	3.2	3
51	Running Industrial Workflow Applications in a Software-Defined Multicloud Environment Using Green Energy Aware Scheduling Algorithm. IEEE Transactions on Industrial Informatics, 2021, 17, 5645-5656.	7.2	24
52	Elastic Smart Contracts in Blockchains. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1901-1912.	8.5	29
53	A Utility-Aware General Framework With Quantifiable Privacy Preservation for Destination Prediction in LBSs. IEEE/ACM Transactions on Networking, 2021, 29, 2228-2241.	2.6	68
54	Recursive design for data-driven, self-adaptive IoT services. , 2021, , .		0

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55	Fog Robotics—Understanding the Research Challenges. IEEE Internet Computing, 2021, 25, 10-17.	3.2	10
56	An Elasticity Framework for Smart Contracts. , 2021, , .		1
57	A Novel Middleware for Efficiently Implementing Complex Cloud-Native SLOs. , 2021, , .		18
58	Polaris Scheduler: Edge Sensitive and SLO Aware Workload Scheduling in Cloud-Edge-IoT Clusters. , 2021, , .		15
59	SLO Script: A Novel Language for Implementing Complex Cloud-Native Elasticity-Driven SLOs. , 2021, , .		18
60	Edge Intelligence as a Service. , 2021, , .		8
61	Toward Sustainable Serverless Computing. IEEE Internet Computing, 2021, 25, 42-50.	3.2	18
62	A roadmap on learning and reasoning for distributed computing continuum ecosystems. , 2021, , .		12
63	Towards a new paradigm for managing computing continuum applications. , 2021, , .		6
64	A Programming Model for Hybrid Collaborative Adaptive Systems. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 6-19.	3.2	11
65	IoTSim—Edge: A simulation framework for modeling the behavior of Internet of Things and edge computing environments. Software - Practice and Experience, 2020, 50, 844-867.	2.5	69
66	Next generation technologies for smart healthcare: challenges, vision, model, trends and future directions. Internet Technology Letters, 2020, 3, e145.	1.4	77
67	Efficient Hosting of Robust IoT Applications on Edge Computing Platform. , 2020, , .		2
68	6G Vision: An AI-Driven Decentralized Network and Service Architecture. IEEE Internet Computing, 2020, 24, 33-40.	3.2	26
69	A Service-oriented Network Infrastructure for Crossover Service Ecosystems. IEEE Internet Computing, 2020, 24, 48-58.	3.2	7
70	Edge-Assisted Distributed DNN Collaborative Computing Approach for Mobile Web Augmented Reality in 5G Networks. IEEE Network, 2020, 34, 254-261.	4.9	40
71	Guest Editorial:Special Section on End—Edge—Cloud Orchestrated Algorithms, Systems and Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 4788-4790.	7.2	0
72	Edge Intelligence: The Confluence of Edge Computing and Artificial Intelligence. IEEE Internet of Things Journal, 2020, 7, 7457-7469.	5.5	480

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73	Towards Extensibility-Aware Scheduling of Industrial Applications on Fog Nodes. , 2020, , .		7
74	COM-PACE: Compliance-Aware Cloud Application Engineering Using Blockchain. IEEE Internet Computing, 2020, 24, 45-53.	3.2	17
75	A Decentralized Approach for Determining Configurator Placement in Dynamic Edge Networks. , 2020, , .		0
76	Towards Distributed Edge-based Systems. , 2020, , .		10
77	Rethinking Divide and Conquerâ€"Towards Holistic Interfaces of the Computing Stack. IEEE Internet Computing, 2020, 24, 45-57.	3.2	5
78	Modelling and Analysing Resilient Cyber-Physical Systems. , 2019, , .		19
79	Edge Intelligence: The Convergence of Humans, Things, and AI. , 2019, , .		39
80	POET: Privacy on the Edge with Bidirectional Data Transformations. , 2019, , .		11
81	Inferring Analyzable Models from Trajectories of Spatially-Distributed Internet of Things. , 2019, , .		15
82	Osmosis: The Osmotic Computing Platform for Microelements in the Cloud, Edge, and Internet of Things. Computer, 2019, 52, 14-26.	1.2	44
83	Recommendations on the Internet of Things: Requirements, Challenges, and Directions. IEEE Internet Computing, 2019, 23, 46-54.	3.2	30
84	Creating a Resilient IoT With Edge Computing. Computer, 2019, 52, 43-53.	1.2	8
85	Dependable Resource Coordination on the Edge at Runtime. Proceedings of the IEEE, 2019, 107, 1520-1536.	16.4	11
86	Automatic Application Placement and Adaptation in Cloud-Edge Environments. , 2019, , .		3
87	Architectural Considerations for Privacy on the Edge. IEEE Internet Computing, 2019, 23, 76-83.	3.2	15
88	Service level agreement specification for endâ€toâ€end IoT application ecosystems. Software - Practice and Experience, 2019, 49, 1689-1711.	2.5	7
89	Edge-to-Edge Resource Discovery using Metadata Replication. , 2019, , .		15
90	A Performance Evaluation of Data Protection Mechanisms for Resource Constrained IoT Devices. , 2019, , .		8

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91	Decentralized Resource Auctioning for Latency-Sensitive Edge Computing. , 2019, , .		29
92	A Framework for Monitoring Microservice-Oriented Cloud Applications in Heterogeneous Virtualization Environments. , 2019, , .		23
93	Context-Aware Enforcement of Privacy Policies in Edge Computing. , 2019, , .		3
94	Engineering Resilient Collaborative Edge-Enabled IoT. , 2019, , .		6
95	Introduction to the Special Issue on Human-interaction-aware Data Analytics for Cyber-physical Systems. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-2.	1.9	0
96	Mobile web augmented reality in 5G and beyond: Challenges, opportunities, and future directions. China Communications, 2019, 16, 141-154.	2.0	47
97	Invited Paper: Edge and Fog Computing: Vision and Research Challenges. , 2019, , .		26
98	Editorial Note: Multimedia Systems in Fog and Mobile Edge Computing. Multimedia Tools and Applications, 2019, 78, 24553-24553.	2.6	1
99	A Deviceless Edge Computing Approach for Streaming IoT Applications. IEEE Internet Computing, 2019, 23, 37-45.	3.2	26
100	Web AR: A Promising Future for Mobile Augmented Reality—State of the Art, Challenges, and Insights. Proceedings of the IEEE, 2019, 107, 651-666.	16.4	153
101	Welcome from the General Chairs. , 2019, , .		0
102	Engineering Heterogeneous Internet of Things Applications: From Models to Code. , 2019, , .		3
103	How Do Firms Transact? Guesstimation and Validation of Financial Transaction Networks with Satisfiability. , 2019, , .		0
104	Sensyml: Simulation Environment for large-scale IoT Applications. , 2019, , .		2
105	Towards Resilient Internet of Things: Vision, Challenges, and Research Roadmap. , 2019, , .		18
106	Application of provenance in social computing: A case study. Concurrency Computation Practice and Experience, 2019, 31, e4894.	1.4	30
107	Blockchain-Supported Smart City Platform for Social Value Co-Creation and Exchange. IEEE Internet Computing, 2019, 23, 19-28.	3.2	38
108	Osmotic computing as a distributed multi-agent system: The Body Area Network scenario. Internet of Things (Netherlands), 2019, 5, 130-139.	4.9	22

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109	CPS/IoT Ecosystem: A Platform for Research and Education. Lecture Notes in Computer Science, 2019, , 206-213.	1.0	12
110	Internet of things search engine. Communications of the ACM, 2019, 62, 66-73.	3.3	19
111	A system for operating energy-aware cloudlets. , 2019, , .		5
112	Privacy in Human Computation: User Awareness Study, Implications for Existing Platforms, Recommendations, and Research Directions. Lecture Notes in Social Networks, 2019, , 247-267.	0.8	0
113	Novel paradigms for engineering large-scale resilient IoT systems. , 2019, , .		0
114	Big data from the cloud to the edge. , 2019, , .		0
115	WITS: an IoT-endowed computational framework for activity recognition in personalized smart homes. Computing (Vienna/New York), 2018, 100, 369-385.	3.2	49
116	Blockchains for Business Process Management - Challenges and Opportunities. ACM Transactions on Management Information Systems, 2018, 9, 1-16.	2.1	404
117	From Monolithic to Microservices: An Experience Report from the Banking Domain. IEEE Software, 2018, 35, 50-55.	2.1	82
118	Osmotic Message-Oriented Middleware for the Internet of Things. IEEE Cloud Computing, 2018, 5, 17-25.	5.3	23
119	Going Back to the Rootsâ€"The Evolution of Edge Computing, An IoT Perspective. IEEE Internet Computing, 2018, 22, 5-15.	3.2	84
120	Elastic systems: Towards cyber-physical ecosystems of people, processes, and things. Computer Standards and Interfaces, 2018, 57, 76-82.	3.8	23
121	Network Neutrality and Its Impact on Innovation. IEEE Internet Computing, 2018, 22, 5-7.	3.2	27
122	eCAS 2018 Foreword. , 2018, , .		0
123	Message from the CIC 2018 General Co-Chairs. , 2018, , .		0
124	Trust and Interaction-Type Considerations in Multi-Objective Team Compositions for Human-Computation. , 2018, , .		0
125	Portable Energy-Aware Cluster-Based Edge Computers. , 2018, , .		15
126	Mobile Edge Computing â€" a Booster for the Practical Provisioning Approach of Web-Based Augmented Reality. , 2018, , .		38

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127	User feedback in the app store. , 2018, , .		26
128	Guest Editorial: Cloud Services Meet Big Data â€" Part II. IEEE Transactions on Services Computing, 2018, 11, 741-742.	3.2	0
129	Latency-aware decentralized resource management for IoT applications. , 2018, , .		7
130	A Note on the Convergence of IoT, Edge, and Cloud Computing in Smart Cities. IEEE Cloud Computing, 2018, 5, 22-24.	5.3	17
131	Traffic Differentiation on Internet of Things. , 2018, , .		3
132	EMMA: Distributed QoS-Aware MQTT Middleware for Edge Computing Applications. , 2018, , .		52
133	VTDL: A Notation for Data Stream Processing Applications. , 2018, , .		1
134	Charting Process-Based Collaboration Support in Agile Business Networks: Aligning the Need for a Dynamic Internet of Processes from Industry and Research Perspectives. IEEE Internet Computing, 2018, 22, 48-57.	3.2	15
135	A New Era for Web AR with Mobile Edge Computing. IEEE Internet Computing, 2018, 22, 46-55.	3.2	58
136	From the Cloud to Edge and IoT: a Smart Orchestration Architecture for Enabling Osmotic Computing. , 2018, , .		23
137	On Managing the Social Components in a Smart City. , 2018, , .		2
138	Guest Editorial: Cloud Services Meet Big Data. IEEE Transactions on Services Computing, 2018, 11, 599-601.	3.2	1
139	Keynote speech 1: Edge computing in context â€" Research and engineering challenges. , 2018, , .		0
140	Edge computing in context â€" Research and engineering challenges. , 2018, , .		0
141	The Next Grand Challenges: Integrating the Internet of Things and Data Science. IEEE Cloud Computing, 2018, 5, 12-26.	5.3	74
142	Towards Deviceless Edge Computing: Challenges, Design Aspects, and Models for Serverless Paradigm at the Edge. , 2018, , 121-136.		12
143	Nomadic Applications Traveling in the Fog. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 151-161.	0.2	0
144	Social Interaction Analysis for Team Collaboration. , 2018, , 2607-2621.		0

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145	Message from the IEEE ICIOT 2018 Chairs. , 2018, , .		0
146	Edge and Cloud Pricing for the Sharing Economy. IEEE Internet Computing, 2017, 21, 78-84.	3.2	14
147	Osmotic Flow: Osmotic Computing + IoT Workflow. IEEE Cloud Computing, 2017, 4, 68-75.	5.3	45
148	Smart Cities. , 2017, , .		23
149	A service computing manifesto. Communications of the ACM, 2017, 60, 64-72.	3.3	180
150	Software Defined Membrane: Policy-Driven Edge and Internet of Things Security. IEEE Cloud Computing, 2017, 4, 92-99.	5.3	24
151	Deviceless edge computing. , 2017, , .		55
152	Towards QoS-Aware Fog Service Placement. , 2017, , .		177
153	Ensuring Network Neutrality for Future Distributed Systems. , 2017, , .		7
154	A Serverless Real-Time Data Analytics Platform for Edge Computing. IEEE Internet Computing, 2017, 21, 64-71.	3.2	164
155	Analyticsâ€asâ€aâ€service in a multiâ€cloud environment through semanticallyâ€enabled hierarchical data processing. Software - Practice and Experience, 2017, 47, 1139-1156.	2.5	19
156	Ahab: A cloudâ€based distributed big data analytics framework for the Internet of Things. Software - Practice and Experience, 2017, 47, 443-454.	2.5	21
157	Data and control points: A programming model for resource-constrained iot cloud edge devices. , 2017, , .		3
158	Provenance in Social Computing: A Case Study. , 2017, , .		5
159	SOA and QoS Management for Cloud Computing. , 2017, , 277-300.		0
160	Towards the Realization of Multi-dimensional Elasticity for Distributed Cloud Systems. Procedia Computer Science, 2016, 97, 14-23.	1.2	12
161	Elastic Stream Processing for the Internet of Things. , 2016, , .		25
162	Osmotic Computing: A New Paradigm for Edge/Cloud Integration. IEEE Cloud Computing, 2016, 3, 76-83.	5.3	301

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163	Prediction-Based Prefetch Scheduling in Mobile Service Applications. , 2016, , .		2
164	A Middleware Infrastructure for Utility-Based Provisioning of IoT Cloud Systems. , 2016, , .		25
165	A Novel Vision of Cyber-Human Smart City. , 2016, , .		10
166	Managing On-Demand Sensing Resources in IoT Cloud Systems. , 2016, , .		0
167	Application Architecture for the Internet of Cities: Blueprints for Future Smart City Applications. IEEE Internet Computing, 2016, 20, 68-75.	3.2	22
168	Identifying Relevant Resources and Relevant Capabilities of Collaborations - A Case Study. , 2016, , .		0
169	Migrating Smart City Applications to the Cloud. IEEE Cloud Computing, 2016, 3, 72-79.	5.3	32
170	MARSA. ACM Transactions on Internet Technology, 2016, 16, 1-21.	3.0	33
171	The Promise of Edge Computing. Computer, 2016, 49, 78-81.	1.2	874
172	IoT Design Patterns: Computational Constructs to Design, Build and Engineer Edge Applications. , 2016, , .		46
173	A Scalable Framework for Provisioning Large-Scale IoT Deployments. ACM Transactions on Internet Technology, 2016, 16, 1-20.	3.0	49
174	Optimizing Elastic IoT Application Deployments. IEEE Transactions on Services Computing, 2016, , 1-1.	3.2	15
175	VISP: An Ecosystem for Elastic Data Stream Processing for the Internet of Things. , 2016, , .		19
176	On Engineering Analytics for Elastic IoT Cloud Platforms. Lecture Notes in Computer Science, 2016, , 267-281.	1.0	4
177	Editorial: 50th anniversary of Computing. Computing (Vienna/New York), 2016, 98, 965-966.	3.2	0
178	Service-Oriented and Cloud Computing. Lecture Notes in Computer Science, 2016, , .	1.0	1
179	rSYBL. ACM Transactions on Internet Technology, 2016, 16, 1-20.	3.0	8
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181	Asserting reliable convergence for configuration management scripts. , 2016, , .		15
182	Diameter of Things (DoT): A Protocol for Real-Time Telemetry of IoT Applications. Lecture Notes in Computer Science, 2016, , 207-222.	1.0	0
183	Smart cities â€" enabling services and applications. Journal of Internet Services and Applications, 2016, 7, .	1.6	27
184	Message from the TAIN Program Co-chairs. , 2016, , .		0
185	On Monitoring Cyber-Physical-Social Systems. , 2016, , .		9
186	An Elasticity-Aware Governance Platform for Cloud Service Delivery. , 2016, , .		4
187	Continuous elasticity: Design and operation of elastic systems. IT - Information Technology, 2016, 58, 329-348.	0.6	2
188	Keynote speech 4 abstracts]. , 2016, , .		0
189	Cost-Aware Scalability of Applications in Public Clouds. , 2016, , .		8
190	A Holistic, Interdisciplinary Decision Support System for Sustainable Smart City Design. Lecture Notes in Computer Science, 2016, , 1-10.	1.0	9
191	Non-intrusive Monitoring of Stream Processing Applications. , 2016, , .		1
192	Optimization of Complex Elastic Processes. IEEE Transactions on Services Computing, 2016, 9, 700-713.	3.2	29
193	When things matter: A survey on data-centric internet of things. Journal of Network and Computer Applications, 2016, 64, 137-153.	5.8	261
194	Service Provisioning in Content-Centric Networking: Challenges, Opportunities, and Promising Directions. IEEE Internet Computing, 2016, 20, 26-33.	3.2	6
195	Enabling a Smart City Application Ecosystem: Requirements and Architectural Aspects. IEEE Internet Computing, 2016, 20, 58-65.	3.2	46
196	CloudArmor: Supporting Reputation-Based Trust Management for Cloud Services. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 367-380.	4.0	128
197	On Energy Efficiency of BPM Enactment in the Cloud. Lecture Notes in Business Information Processing, 2016, , 489-500.	0.8	1
198	Asserting reliable convergence for configuration management scripts. ACM SIGPLAN Notices, 2016, 51, 328-343.	0.2	13

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199	On Controlling Elasticity of Cloud Applications in CELAR. , 2016, , 1937-1967.		1
200	Building Elastic Java Application Services Seamlessly in the Cloud. , 2016, , 709-732.		0
201	Crowdstore: A Crowdsourcing Graph Database. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 72-81.	0.2	0
202	A Framework for Model-Driven Execution of Collaboration Structures. Lecture Notes in Computer Science, 2016, , 18-32.	1.0	1
203	Social Interaction Analysis for Team Collaboration. , 2016, , 1-16.		0
204	SDG-Pro: a programming framework for software-defined IoT cloud gateways. Journal of Internet Services and Applications, 2015, 6, .	1.6	20
205	Elastic Stream Processing for Distributed Environments. IEEE Internet Computing, 2015, 19, 54-59.	3.2	10
206	JCloudScale. ACM Transactions on Internet Technology, 2015, 15, 1-20.	3.0	11
207	Telemetry for Elastic Data (TED): Middleware for MapReduce Job Metering and Rating. , 2015, , .		0
208	MELA: elasticity analytics for cloud services. International Journal of Big Data Intelligence, 2015, 2, 45.	0.4	9
209	Principles for Engineering IoT Cloud Systems. IEEE Cloud Computing, 2015, 2, 68-76.	5.3	141
210	Activating the Internet of Things [Guest editors' introduction]. Computer, 2015, 48, 16-20.	1.2	29
211	SmartSociety -- A Platform for Collaborative People-Machine Computation. , 2015, , .		14
212	Programming Model Elements for Hybrid Collaborative Adaptive Systems. , 2015, , .		3
213	SPEEDL - A Declarative Event-Based Language to Define the Scaling Behavior of Cloud Applications. , 2015, , .		4
214	Towards the Internet of Cities. , 2015, , .		18
215	Open Government Data as a Service (GoDaaS): Big Data Platform for Mobile App Developers. , 2015, , .		3
216	Analyzing Reliability in Hybrid Compute Units. , 2015, , .		2

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217	Message from TAIN Symposium Organizing Committee. , 2015, , .		0
218	Smart Fabric - An Infrastructure-Agnostic Artifact Topology Deployment Framework. , 2015, , .		6
219	Poster: Improving Cloud-Based Continuous Integration Environments. , 2015, , .		5
220	Governing Elastic IoT Cloud Systems under Uncertainty. , 2015, , .		12
221	Cost-Efficient Scheduling of Elastic Processes in Hybrid Clouds. , 2015, , .		26
222	Elastic Inter-organizational Processes: Maintainability, Correctness, and Reliability. , 2015, , .		0
223	Trust-Aware Elastic Social Compute Units. , 2015, , .		7
224	Supporting Cloud Service Operation Management for Elasticity. Lecture Notes in Computer Science, 2015, , 123-138.	1.0	1
225	Gatica: Linked Sensed Data Enrichment and Analytics Middleware for IoT Gateways. , 2015, , .		6
226	Comparing and Combining Predictive Business Process Monitoring Techniques. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 276-290.	5.9	89
227	Run-Time Variability for Context-Aware Smart Workflows. IEEE Software, 2015, 32, 52-60.	2.1	7
228	PRINGL â€" A domain-specific language for incentive management in crowdsourcing. Computer Networks, 2015, 90, 14-33.	3.2	4
229	Web-Based Management of the Internet of Things. IEEE Internet Computing, 2015, 19, 60-67.	3.2	62
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