

Filip De Turck

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

3,183
citations

430442

18
h-index

214527

47
g-index

83
all docs

83
docs citations

83
times ranked

3256
citing authors

#	ARTICLE	IF	CITATIONS
1	Network Function Virtualization: State-of-the-Art and Research Challenges. IEEE Communications Surveys and Tutorials, 2016, 18, 236-262.	24.8	1,383
2	VNF-P: A model for efficient placement of virtualized network functions. , 2014, , .		343
3	Cloudlets. , 2012, , .		272
4	Fog Computing: Enabling the Management and Orchestration of Smart City Applications in 5G Networks. Entropy, 2018, 20, 4.	1.1	74
5	City of Things: Enabling Resource Provisioning in Smart Cities. IEEE Communications Magazine, 2018, 56, 177-183.	4.9	71
6	Embedded Real-Time Object Detection for a UAV Warning System. , 2017, , .		58
7	Towards 6DoF HTTP Adaptive Streaming Through Point Cloud Compression. , 2019, , .		54
8	Empowering Children with ASD and Their Parents: Design of a Serious Game for Anxiety and Stress Reduction. Sensors, 2020, 20, 966.	2.1	51
9	Resource Provisioning in Fog Computing: From Theory to Practice â€. Sensors, 2019, 19, 2238.	2.1	50
10	Leveraging Cloudlets for Immersive Collaborative Applications. IEEE Pervasive Computing, 2013, 12, 30-38.	1.1	49
11	FLAGS: A methodology for adaptive anomaly detection and root cause analysis on sensor data streams by fusing expert knowledge with machine learning. Future Generation Computer Systems, 2021, 116, 30-48.	4.9	43
12	Resource Management in a Containerized Cloud: Status and Challenges. Journal of Network and Systems Management, 2020, 28, 197-246.	3.3	40
13	Efficient resource management for virtual desktop cloud computing. Journal of Supercomputing, 2012, 62, 741-767.	2.4	38
14	Accurate prediction of blood culture outcome in the intensive care unit using long short-term memory neural networks. Artificial Intelligence in Medicine, 2019, 97, 38-43.	3.8	38
15	Resource provisioning for IoT application services in smart cities. , 2017, , .		33
16	Towards Low-Latency Service Delivery in a Continuum of Virtual Resources: State-of-the-Art and Research Directions. IEEE Communications Surveys and Tutorials, 2021, 23, 2557-2589.	24.8	33
17	Using a Serious Game to Reduce Stress and Anxiety in Children with Autism Spectrum Disorder. , 2019, , .		30
18	Towards a Cascading Reasoning Framework to Support Responsive Ambient-Intelligent Healthcare Interventions. Sensors, 2018, 18, 3514.	2.1	27

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19	Semantically Enhanced Mapping Algorithm for Affinity-Constrained Service Function Chain Requests. IEEE Transactions on Network and Service Management, 2017, 14, 317-331.	3.2	26
20	Towards end-to-end resource provisioning in Fog Computing over Low Power Wide Area Networks. Journal of Network and Computer Applications, 2021, 175, 102915.	5.8	26
21	Towards delay-aware container-based Service Function Chaining in Fog Computing. , 2020, , .		24
22	Self-organizing Fog Support Services for Responsive Edge Computing. Journal of Network and Systems Management, 2021, 29, 1.	3.3	24
23	Design and evaluation of a scalable Internet of Things backend for smart ports. Software - Practice and Experience, 2021, 51, 1557-1579.	2.5	22
24	The MASSIF platform: a modular and semantic platform for the development of flexible IoT services. Knowledge and Information Systems, 2017, 51, 89-126.	2.1	19
25	Continuous Athlete Monitoring in Challenging Cycling Environments Using IoT Technologies. IEEE Internet of Things Journal, 2019, 6, 10875-10887.	5.5	19
26	Streaming MASSIF: Cascading Reasoning for Efficient Processing of IoT Data Streams. Sensors, 2018, 18, 3832.	2.1	18
27	An ontology co-design method for the co-creation of a continuous care ontology. Applied Ontology, 2014, 9, 27-64.	1.0	16
28	A scalable WebRTC-based framework for remote video collaboration applications. Multimedia Tools and Applications, 2019, 78, 7419-7452.	2.6	16
29	An ontology-based nurse call management system (oNCS) with probabilistic priority assessment. BMC Health Services Research, 2011, 11, 26.	0.9	15
30	Data Mining in the Development of Mobile Health Apps: Assessing In-App Navigation Through Markov Chain Analysis. Journal of Medical Internet Research, 2019, 21, e11934.	2.1	14
31	Facilitating the Analysis of COVID-19 Literature Through a Knowledge Graph. Lecture Notes in Computer Science, 2020, , 344-357.	1.0	14
32	INK: knowledge graph embeddings for node classification. Data Mining and Knowledge Discovery, 2022, 36, 620-667.	2.4	14
33	Prioritized Deployment of Dynamic Service Function Chains. IEEE/ACM Transactions on Networking, 2021, 29, 979-993.	2.6	12
34	Guest Editors' Introduction: Special Issue on Efficient Management of SDN/NFV-Based Systemsâ€”Part I. IEEE Transactions on Network and Service Management, 2015, 12, 1-3.	3.2	10
35	A Personalised Emotion-Based Model for Relaxation in Virtual Reality. Applied Sciences (Switzerland), 2020, 10, 6124.	1.3	10
36	Explora: Interactive Querying of Multidimensional Data in the Context of Smart Cities. Sensors, 2020, 20, 2737.	2.1	10

#	ARTICLE	IF	CITATIONS
37	A Scalable Hierarchically Distributed Architecture for Next-Generation Applications. Journal of Network and Systems Management, 2022, 30, 1.	3.3	10
38	Pluggable SDN framework for managing heterogeneous SDN networks. International Journal of Network Management, 2020, 30, e2087.	1.4	9
39	Walk Extraction Strategies for Node Embeddings with RDF2Vec in Knowledge Graphs. Communications in Computer and Information Science, 2021, , 70-80.	0.4	9
40	GENDIS: Genetic Discovery of Shapelets. Sensors, 2021, 21, 1059.	2.1	9
41	Guest Editorsâ€™ Introduction: Special Issue on Management of Softwarized Networks. IEEE Transactions on Network and Service Management, 2016, 13, 362-365.	3.2	8
42	Subset Reasoning for Event-Based Systems. IEEE Access, 2019, 7, 107533-107549.	2.6	8
43	Scalability evaluation of VPN technologies for secure container networking. , 2019, , .		8
44	An Experimental Evaluation of Flow Setup Latency in Distributed Software Defined Networks. , 2019, , .		8
45	FLEDGE: Kubernetes Compatible Container Orchestration on Low-Resource Edge Devices. Lecture Notes in Computer Science, 2020, , 174-189.	1.0	8
46	FUSE: A Microservice Approach to Cross-domain Federation using Docker Containers. , 2019, , .		8
47	Real-Time Hazard Symbol Detection and Localization Using UAV Imagery. , 2017, , .		7
48	Investigating the Influence of Personalised Gamification on Mobile Survey User Experience. Sustainability, 2021, 13, 10434.	1.6	6
49	From Patient to Musician: A Multi-Sensory Virtual Reality Rehabilitation Tool for Spatial Neglect. Applied Sciences (Switzerland), 2022, 12, 1242.	1.3	6
50	Ambient-aware continuous care through semantic context dissemination. BMC Medical Informatics and Decision Making, 2014, 14, 97.	1.5	5
51	Guest Editors' Introduction: Special issue on efficient management of SDN/NFV-based systems - Part II. IEEE Transactions on Network and Service Management, 2015, 12, 114-116.	3.2	5
52	Enabling Emergency Flow Prioritization in SDN Networks. , 2019, , .		5
53	UnifyDR: A Generic Framework for Unifying Data and Replica Placement. IEEE Access, 2020, 8, 216894-216910.	2.6	5
54	A Workload-Driven Approach for View Selection in Large Dimensional Datasets. Journal of Network and Systems Management, 2020, 28, 1161-1186.	3.3	5

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55	Personalized Real-Time Monitoring of Amateur Cyclists on Low-End Devices. , 2018, , .		4
56	A personalized Virtual Reality Experience for Relaxation Therapy. , 2019, , .		4
57	Aiding First Incident Responders Using a Decision Support System Based on Live Drone Feeds. Communications in Computer and Information Science, 2018, , 87-100.	0.4	4
58	Distributed Continuous Home Care Provisioning through Personalized Monitoring & Treatment Planning. , 2020, , .		4
59	Integrated inference and learning of neural factors in structural support vector machines. Pattern Recognition, 2016, 59, 292-301.	5.1	3
60	Elastic Resource Allocation Algorithms for Collaboration Applications. Journal of Network and Systems Management, 2017, 25, 699-734.	3.3	3
61	Guest Editorsâ€™ Introduction: Special Issue on Advances in Management of Softwarized Networks. IEEE Transactions on Network and Service Management, 2017, 14, 786-791.	3.2	3
62	BRAHMA ⁺ : A Framework for Resource Scaling of Streaming and ASAP Time-Varying Workflows. IEEE Transactions on Network and Service Management, 2018, 15, 894-908.	3.2	3
63	Trustful ad hoc cross-organizational data exchanges based on the Hyperledger Fabric framework. International Journal of Network Management, 2020, 30, e2131.	1.4	3
64	Service Relationship Orchestration: Lessons Learned From Running Large Scale Smart City Platforms on Kubernetes. IEEE Access, 2021, 9, 133387-133401.	2.6	3
65	Towards cloud-based unobtrusive monitoring in remote multi-vendor environments. Software - Practice and Experience, 2022, 52, 427-442.	2.5	3
66	Establishing the Contaminating Effect of Metadata Feature Inclusion in Machine-Learned Network Intrusion Detection Models. Lecture Notes in Computer Science, 2022, , 23-41.	1.0	3
67	Algorithms for Recollection of Search Terms Based on the Wikipedia Category Structure. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	2
68	2019 Reviewers for IEEE Transactions on Network and Service Management (TNSM). IEEE Transactions on Network and Service Management, 2020, 17, 1-11.	3.2	2
69	Enabling and Leveraging AI in the Intelligent Edge: A Review of Current Trends and Future Directions. IEEE Open Journal of the Communications Society, 2021, 2, 2311-2341.	4.4	2
70	Explora-VR: Content Prefetching for Tile-Based Immersive Video Streaming Applications. Journal of Network and Systems Management, 2022, 30, 1.	3.3	2
71	A secure cross-organizational container deployment approach to enable ad hoc collaborations. International Journal of Network Management, 0, , .	1.4	2
72	Unsupervised Anomaly Detection for Communication Networks: An Autoencoder Approach. Communications in Computer and Information Science, 2020, , 160-172.	0.4	1

#	ARTICLE	IF	CITATIONS
73	How do Users interact with Mobile Health Apps?. , 2020, , .		1
74	The Design of an Ontology-Driven mHealth Behaviour Change Ecosystem to Increase Physical Activity in Adults. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 452-468.	0.2	1
75	Bridging the gap between expressivity and efficiency in stream reasoning: a structural caching approach for IoT streams. Knowledge and Information Systems, 0, , .	2.1	1
76	Preemptive Resource Provisioning for Container-Based Audio/Video Encrypted Collaboration Applications. Journal of Network and Systems Management, 2020, 28, 1391-1426.	3.3	0
77	Towards an Evaluation Framework for Expressive Stream Reasoning. Lecture Notes in Computer Science, 2021, , 76-81.	1.0	0
78	Demonstration of a Stream Reasoning Platform on Low-End Devices to Enable Personalized Real-Time Cycling Feedback. Lecture Notes in Computer Science, 2019, , 28-32.	1.0	0
79	From 2D to Next Generation VR/AR Videos: Enabling Efficient Streaming via QoE-aware Mobile Networks. , 0, , .		0