

# Filip De Turck

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

3,183  
citations

430874

18  
h-index

206112

48  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards cloud-based unobtrusive monitoring in remote multi-vendor environments. Software - Practice and Experience, 2022, 52, 427-442.	3.6	3
2	A Scalable Hierarchically Distributed Architecture for Next-Generation Applications. Journal of Network and Systems Management, 2022, 30, 1.	4.9	10
3	INK: knowledge graph embeddings for node classification. Data Mining and Knowledge Discovery, 2022, 36, 620-667.	3.7	14
4	From Patient to Musician: A Multi-Sensory Virtual Reality Rehabilitation Tool for Spatial Neglect. Applied Sciences (Switzerland), 2022, 12, 1242.	2.5	6
5	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.	0.3	1
6	Explora-VR: Content Prefetching for Tile-Based Immersive Video Streaming Applications. Journal of Network and Systems Management, 2022, 30, 1.	4.9	2
7	Establishing the Contaminating Effect of Metadata Feature Inclusion in Machine-Learned Network Intrusion Detection Models. Lecture Notes in Computer Science, 2022, , 23-41.	1.3	3
8	Towards end-to-end resource provisioning in Fog Computing over Low Power Wide Area Networks. Journal of Network and Computer Applications, 2021, 175, 102915.	9.1	26
9	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.	7.5	43
10	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.	39.4	33
11	Service Relationship Orchestration: Lessons Learned From Running Large Scale Smart City Platforms on Kubernetes. IEEE Access, 2021, 9, 133387-133401.	4.2	3
12	Walk Extraction Strategies for Node Embeddings with RDF2Vec in Knowledge Graphs. Communications in Computer and Information Science, 2021, , 70-80.	0.5	9
13	GENDIS: Genetic Discovery of Shapelets. Sensors, 2021, 21, 1059.	3.8	9
14	Design and evaluation of a scalable Internet of Things backend for smart ports. Software - Practice and Experience, 2021, 51, 1557-1579.	3.6	22
15	Prioritized Deployment of Dynamic Service Function Chains. IEEE/ACM Transactions on Networking, 2021, 29, 979-993.	3.8	12
16	Investigating the Influence of Personalised Gamification on Mobile Survey User Experience. Sustainability, 2021, 13, 10434.	3.2	6
17	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.	6.9	2
18	Towards an Evaluation Framework for Expressive Stream Reasoning. Lecture Notes in Computer Science, 2021, , 76-81.	1.3	0

#	ARTICLE	IF	CITATIONS
19	Self-organizing Fog Support Services for Responsive Edge Computing. <i>Journal of Network and Systems Management</i> , 2021, 29, 1.	4.9	24
20	Resource Management in a Containerized Cloud: Status and Challenges. <i>Journal of Network and Systems Management</i> , 2020, 28, 197-246.	4.9	40
21	A Personalised Emotion-Based Model for Relaxation in Virtual Reality. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6124.	2.5	10
22	Trustful ad hoc cross-organizational data exchanges based on the Hyperledger Fabric framework. <i>International Journal of Network Management</i> , 2020, 30, e2131.	2.2	3
23	UnifyDR: A Generic Framework for Unifying Data and Replica Placement. <i>IEEE Access</i> , 2020, 8, 216894-216910.	4.2	5
24	Explora: Interactive Querying of Multidimensional Data in the Context of Smart Cities. <i>Sensors</i> , 2020, 20, 2737.	3.8	10
25	Preemptive Resource Provisioning for Container-Based Audio/Video Encrypted Collaboration Applications. <i>Journal of Network and Systems Management</i> , 2020, 28, 1391-1426.	4.9	0
26	Towards delay-aware container-based Service Function Chaining in Fog Computing. , 2020, , .		24
27	Empowering Children with ASD and Their Parents: Design of a Serious Game for Anxiety and Stress Reduction. <i>Sensors</i> , 2020, 20, 966.	3.8	51
28	Pluggable SDN framework for managing heterogeneous SDN networks. <i>International Journal of Network Management</i> , 2020, 30, e2087.	2.2	9
29	A Workload-Driven Approach for View Selection in Large Dimensional Datasets. <i>Journal of Network and Systems Management</i> , 2020, 28, 1161-1186.	4.9	5
30	2019 Reviewers for IEEE Transactions on Network and Service Management (TNSM). <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 1-11.	4.9	2
31	FLEDGE: Kubernetes Compatible Container Orchestration on Low-Resource Edge Devices. <i>Lecture Notes in Computer Science</i> , 2020, , 174-189.	1.3	8
32	Unsupervised Anomaly Detection for Communication Networks: An Autoencoder Approach. <i>Communications in Computer and Information Science</i> , 2020, , 160-172.	0.5	1
33	Facilitating the Analysis of COVID-19 Literature Through a Knowledge Graph. <i>Lecture Notes in Computer Science</i> , 2020, , 344-357.	1.3	14
34	How do Users interact with Mobile Health Apps?. , 2020, , .		1
35	Distributed Continuous Home Care Provisioning through Personalized Monitoring & Treatment Planning. , 2020, , .		4
36	A scalable WebRTC-based framework for remote video collaboration applications. <i>Multimedia Tools and Applications</i> , 2019, 78, 7419-7452.	3.9	16

#	ARTICLE	IF	CITATIONS
37	Towards 6DoF HTTP Adaptive Streaming Through Point Cloud Compression. , 2019, , .		54
38	Subset Reasoning for Event-Based Systems. IEEE Access, 2019, 7, 107533-107549.	4.2	8
39	A personalized Virtual Reality Experience for Relaxation Therapy. , 2019, , .		4
40	Resource Provisioning in Fog Computing: From Theory to Practice â€. Sensors, 2019, 19, 2238.	3.8	50
41	Using a Serious Game to Reduce Stress and Anxiety in Children with Autism Spectrum Disorder. , 2019, , .		30
42	Scalability evaluation of VPN technologies for secure container networking. , 2019, , .		8
43	Enabling Emergency Flow Prioritization in SDN Networks. , 2019, , .		5
44	An Experimental Evaluation of Flow Setup Latency in Distributed Software Defined Networks. , 2019, , .		8
45	Continuous Athlete Monitoring in Challenging Cycling Environments Using IoT Technologies. IEEE Internet of Things Journal, 2019, 6, 10875-10887.	8.7	19
46	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.	6.5	38
47	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.	4.3	14
48	FUSE: A Microservice Approach to Cross-domain Federation using Docker Containers. , 2019, , .		8
49	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.	1.3	0
50	BRAHMA <sup>+</sup> : A Framework for Resource Scaling of Streaming and ASAP Time-Varying Workflows. IEEE Transactions on Network and Service Management, 2018, 15, 894-908.	4.9	3
51	Personalized Real-Time Monitoring of Amateur Cyclists on Low-End Devices. , 2018, , .		4
52	Streaming MASSIF: Cascading Reasoning for Efficient Processing of IoT Data Streams. Sensors, 2018, 18, 3832.	3.8	18
53	Towards a Cascading Reasoning Framework to Support Responsive Ambient-Intelligent Healthcare Interventions. Sensors, 2018, 18, 3514.	3.8	27
54	City of Things: Enabling Resource Provisioning in Smart Cities. IEEE Communications Magazine, 2018, 56, 177-183.	6.1	71

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55	Fog Computing: Enabling the Management and Orchestration of Smart City Applications in 5G Networks. <i>Entropy</i> , 2018, 20, 4.	2.2	74
56	Aiding First Incident Responders Using a Decision Support System Based on Live Drone Feeds. <i>Communications in Computer and Information Science</i> , 2018, , 87-100.	0.5	4
57	Semantically Enhanced Mapping Algorithm for Affinity-Constrained Service Function Chain Requests. <i>IEEE Transactions on Network and Service Management</i> , 2017, 14, 317-331.	4.9	26
58	Elastic Resource Allocation Algorithms for Collaboration Applications. <i>Journal of Network and Systems Management</i> , 2017, 25, 699-734.	4.9	3
59	The MASSIF platform: a modular and semantic platform for the development of flexible IoT services. <i>Knowledge and Information Systems</i> , 2017, 51, 89-126.	3.2	19
60	Embedded Real-Time Object Detection for a UAV Warning System. , 2017, , .		58
61	Resource provisioning for IoT application services in smart cities. , 2017, , .		33
62	Guest Editorsâ€™ Introduction: Special Issue on Advances in Management of Softwarized Networks. <i>IEEE Transactions on Network and Service Management</i> , 2017, 14, 786-791.	4.9	3
63	Real-Time Hazard Symbol Detection and Localization Using UAV Imagery. , 2017, , .		7
64	Guest Editorsâ€™ Introduction: Special Issue on Management of Softwarized Networks. <i>IEEE Transactions on Network and Service Management</i> , 2016, 13, 362-365.	4.9	8
65	Integrated inference and learning of neural factors in structural support vector machines. <i>Pattern Recognition</i> , 2016, 59, 292-301.	8.1	3
66	Network Function Virtualization: State-of-the-Art and Research Challenges. <i>IEEE Communications Surveys and Tutorials</i> , 2016, 18, 236-262.	39.4	1,383
67	Guest Editors' Introduction: Special Issue on Efficient Management of SDN/NFV-Based Systemsâ€™Part I. <i>IEEE Transactions on Network and Service Management</i> , 2015, 12, 1-3.	4.9	10
68	Guest Editors' Introduction: Special issue on efficient management of SDN/NFV-based systems - Part II. <i>IEEE Transactions on Network and Service Management</i> , 2015, 12, 114-116.	4.9	5
69	Algorithms for Recollection of Search Terms Based on the Wikipedia Category Structure. <i>Scientific World Journal, The</i> , 2014, 2014, 1-12.	2.1	2
70	An ontology co-design method for the co-creation of a continuous care ontology. <i>Applied Ontology</i> , 2014, 9, 27-64.	2.0	16
71	Ambient-aware continuous care through semantic context dissemination. <i>BMC Medical Informatics and Decision Making</i> , 2014, 14, 97.	3.0	5
72	VNF-P: A model for efficient placement of virtualized network functions. , 2014, , .		343

#	ARTICLE	IF	CITATIONS
73	Leveraging Cloudlets for Immersive Collaborative Applications. IEEE Pervasive Computing, 2013, 12, 30-38.	1.3	49
74	Efficient resource management for virtual desktop cloud computing. Journal of Supercomputing, 2012, 62, 741-767.	3.6	38
75	Cloudlets. , 2012, , .		272
76	An ontology-based nurse call management system (oNCS) with probabilistic priority assessment. BMC Health Services Research, 2011, 11, 26.	2.2	15
77	From 2D to Next Generation VR/AR Videos: Enabling Efficient Streaming via QoE-aware Mobile Networks. , 0, , .		0
78	A secure cross-organizational container deployment approach to enable ad hoc collaborations. International Journal of Network Management, 0, , .	2.2	2
79	Bridging the gap between expressivity and efficiency in stream reasoning: a structural caching approach for IoT streams. Knowledge and Information Systems, 0, , .	3.2	1