

Panagiotis T Trakadas

List of Publications by Year in descending order

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60
papers

1,165
citations

430442

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414034

32
g-index

60
all docs

60
docs citations

60
times ranked

1085
citing authors

#	ARTICLE	IF	CITATIONS
1	Supporting Intelligence in Disaggregated Open Radio Access Networks: Architectural Principles, AI/ML Workflow, and Use Cases. IEEE Access, 2022, 10, 39580-39595.	2.6	20
2	Allocating Orders to Printing Machines for Defect Minimization: A Comparative Machine Learning Approach. IFIP Advances in Information and Communication Technology, 2022, , 79-88.	0.5	6
3	Towards Closed-loop Automation in 5G Open RAN: Coupling an Open-Source Simulator with xApps. , 2022, , .		12
4	Power Control in 5G Heterogeneous Cells Considering User Demands Using Deep Reinforcement Learning. IFIP Advances in Information and Communication Technology, 2021, , 95-105.	0.5	11
5	Advanced First Respondersâ€™ Services by Using FASTER Project Architectural Solution. IFIP Advances in Information and Communication Technology, 2021, , 62-70.	0.5	0
6	An Adaptive Hybrid Beamforming Approach for 5G-MIMO mmWave Wireless Cellular Networks. IEEE Access, 2021, 9, 127767-127778.	2.6	10
7	Deep Reinforcement Learning for Energy-Efficient Multi-Channel Transmissions in 5G Cognitive HetNets: Centralized, Decentralized and Transfer Learning Based Solutions. IEEE Access, 2021, 9, 129358-129374.	2.6	38
8	Impact of Classifiers to Drift Detection Method: A Comparison. Proceedings of the International Neural Networks Society, 2021, , 399-410.	0.6	4
9	Farm to fork: securing a supply chain with direct impact on food security. , 2021, , .		1
10	A KPI-Enabled NFV MANO Architecture for Network Slicing with QoS. IEEE Communications Magazine, 2021, 59, 44-50.	4.9	7
11	A Cost-Efficient 5G Non-Public Network Architectural Approach: Key Concepts and Enablers, Building Blocks and Potential Use Cases. Sensors, 2021, 21, 5578.	2.1	34
12	Cybersecurity in ICT Supply Chains: Key Challenges and a Relevant Architecture. Sensors, 2021, 21, 6057.	2.1	10
13	Comprehensive Comparison of VNE Solutions Based on Different Coordination Approaches. Telecom, 2021, 2, 390-412.	1.6	5
14	ISLAND: An Interlinked Semantically-Enriched Blockchain Data Framework. Lecture Notes in Computer Science, 2021, , 207-214.	1.0	6
15	Joint Energy-efficient and Throughput-sufficient Transmissions in 5G Cells with Deep Q-Learning. , 2021, , .		10
16	On the Performance Limitations of Realistic Massive MIMO Deployments in 5G mmWave Wireless Cellular Networks. , 2021, , .		0
17	Electrical Vehicles: Current State of the Art, Future Challenges, and Perspectives. Clean Technologies, 2020, 2, 1-16.	1.9	42
18	Tackling Faults in the Industry 4.0 Eraâ€™A Survey of Machine-Learning Solutions and Key Aspects. Sensors, 2020, 20, 109.	2.1	156

#	ARTICLE	IF	CITATIONS
19	Three-Dimensional Modeling of mmWave Doubly Massive MIMO Aerial Fading Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 1190-1202.	3.9	49
20	An Artificial Intelligence-Based Collaboration Approach in Industrial IoT Manufacturing: Key Concepts, Architectural Extensions and Potential Applications. Sensors, 2020, 20, 5480.	2.1	63
21	Benchmarking and Profiling 5G Verticals' Applications: An Industrial IoT Use Case. , 2020, , .		19
22	Non-Orthogonal Multiple Access in Multiuser MIMO Configurations via Code Reuse and Principal Component Analysis. Electronics (Switzerland), 2020, 9, 1330.	1.8	8
23	Incidents Information Sharing Platform for Distributed Attack Detection. IEEE Open Journal of the Communications Society, 2020, , 1-1.	4.4	7
24	A Comprehensive Study on Simulation Techniques for 5G Networks: State of the Art Results, Analysis, and Future Challenges. Electronics (Switzerland), 2020, 9, 468.	1.8	42
25	Comparison of Management and Orchestration Solutions for the 5G Era. Journal of Sensor and Actuator Networks, 2020, 9, 4.	2.3	39
26	A UAV-based moving 5G RAN for massive connectivity of mobile users and IoT devices. Vehicular Communications, 2020, 25, 100250.	2.7	24
27	Programmable Edge-to-Cloud Virtualization for 5G Media Industry: The 5G-MEDIA Approach. IFIP Advances in Information and Communication Technology, 2020, , 95-104.	0.5	8
28	Comparison of VNE heuristic solutions with similar objective functions. , 2020, , .		3
29	Exploiting sensing devices availability in AR/VR deployments to foster engagement. Virtual Reality, 2019, 23, 399-410.	4.1	9
30	Flex-NOMA: Exploiting Buffer-Aided Relay Selection for Massive Connectivity in the 5G Uplink. IEEE Access, 2019, 7, 88743-88755.	2.6	30
31	Secure Open Federation of IoT Platforms Through Interledger Technologies - The SOFIE Approach. , 2019, , .		11
32	Hybrid Clouds for Data-Intensive, 5G-Enabled IoT Applications: An Overview, Key Issues and Relevant Architecture. Sensors, 2019, 19, 3591.	2.1	36
33	Introducing Automated Verification and Validation for Virtualized Network Functions and Services. IEEE Communications Magazine, 2019, 57, 96-102.	4.9	26
34	An Edge-to-Cloud Virtualized Multimedia Service Platform for 5G Networks. IEEE Transactions on Broadcasting, 2019, 65, 369-380.	2.5	65
35	Full-Duplex NOMA Transmission with Single-Antenna Buffer-Aided Relays. Electronics (Switzerland), 2019, 8, 1482.	1.8	9
36	Advanced NFV Features Applied to Multimedia Real-Time Communications Use Case. , 2019, , .		3

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37	Network Slicing Over A Packet/Optical Network For Vertical Applications Applied To Multimedia Real-Time Communications. , 2019, , .		7
38	Orchestrating Live Immersive Media Services Over Cloud Native Edge Infrastructure. , 2019, , .		4
39	Embedding 5G solutions enabling new business scenarios in Media and Entertainment Industry. , 2019, , .		12
40	Data-Driven Intrusion Detection for Ambient Intelligence. Lecture Notes in Computer Science, 2019, , 235-251.	1.0	1
41	On the Performance Evaluation of a MIMOâ€“WCDMA Transmission Architecture for Building Management Systems. Sensors, 2018, 18, 155.	2.1	0
42	Preventive maintenance of critical infrastructures using 5G networks & drones. , 2017, , .		14
43	Resource and service virtualisation in M2M and IoT platforms. International Journal of Intelligent Engineering Informatics, 2015, 3, 205.	0.1	5
44	Trustâ€“aware and linkâ€“reliable routing metric composition for wireless sensor networks. Transactions on Emerging Telecommunications Technologies, 2014, 25, 539-554.	2.6	13
45	Evaluating routing metric composition approaches for QoS differentiation in low power and lossy networks. Wireless Networks, 2013, 19, 1269-1284.	2.0	42
46	A Novel Trust-Aware Geographical Routing Scheme for Wireless Sensor Networks. Wireless Personal Communications, 2013, 69, 805-826.	1.8	75
47	Managing QoS for Future Internet Applications over Virtual Sensor Networks. Lecture Notes in Computer Science, 2013, , 52-63.	1.0	2
48	Trust management in wireless sensor networks. European Transactions on Telecommunications, 2010, 21, 386-395.	1.2	77
49	Design And Implementation Of a Trust-Aware Routing Protocol For Large WSNs. International Journal of Network Security and Its Applications, 2010, 2, 52-68.	0.4	27
50	Broadband Wireless Access Base Station Performance using Smart Antenna Cell. , 2007, , .		1
51	PERFORMANCE OF A SIX-BEAM SWITCHED PARASITIC PLANAR ARRAY UNDER ONE PATH RAYLEIGH FADING ENVIRONMENT. Progress in Electromagnetics Research, 2006, 62, 89-106.	1.6	14
52	Measurements and simulation for a joint non-Gaussian fast-fading model in indoor-propagation environments. Microwave and Optical Technology Letters, 2005, 45, 515-519.	0.9	1
53	Improved Performance of Maximum Likelihood Decoding Algorithm with Efficient Use of Algebraic Decoder. Wireless Personal Communications, 2005, 32, 1-7.	1.8	1
54	Theoretical investigation of the field conditions in a vibrating reverberation chamber with an unstirred component. IEEE Transactions on Electromagnetic Compatibility, 2003, 45, 77-81.	1.4	20

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55	Computation of transmission-line immunity level in the presence of a direct-sequence spread-spectrum electromagnetic signal by using CE-FDTD method. IEEE Transactions on Electromagnetic Compatibility, 2003, 45, 2-9.	1.4	8
56	Field Prediction Describing Scattering by a One-Dimensional Smooth Random Rough Surface. Electromagnetics, 2002, 22, 27-35.	0.3	4
57	A Maximum Likelihood Decoding Algorithm for Wireless Channels. Wireless Personal Communications, 2002, 23, 283-295.	1.8	2
58	Statistical Analysis of an Arbitrarily Oriented Two-Wire Transmission Line Embedded in a Dissipative Layer. Electromagnetics, 2001, 21, 381-400.	0.3	1
59	A mixed model for the determination of normalized site attenuation in OATS. IEEE Transactions on Electromagnetic Compatibility, 2001, 43, 29-36.	1.4	10
60	Probabilistic Response of a Transmission Line in a Dissipative Medium Excited By an Oblique Plane Wave - Abstract. Journal of Electromagnetic Waves and Applications, 2001, 15, 625-626.	1.0	1