

# Dimitra Simeonidou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5768151/publications.pdf>

Version: 2024-02-01

53  
papers

1,112  
citations

567281

15  
h-index

454955

30  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1061  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Reinforcement Learning-Based Policy for Baseband Function Placement and Routing of RAN in 5G and Beyond. Journal of Lightwave Technology, 2022, 40, 470-480.	4.6	13
2	100 Gb/s dynamically programmable SDN-enabled hardware encryptor for optical networks. Journal of Optical Communications and Networking, 2022, 14, A50.	4.8	8
3	Channel-Based RSA Approaches for QoS Protection of Slices Over Elastic Optical Networks. IEEE Access, 2022, 10, 20714-20726.	4.2	2
4	DV-QKD Coexistence With 1.6 Tbps Classical Channels Over Hollow Core Fibre. Journal of Lightwave Technology, 2022, 40, 5522-5529.	4.6	8
5	Dynamic DV-QKD Networking in Trusted-Node-Free Software-Defined Optical Networks. Journal of Lightwave Technology, 2022, 40, 5816-5824.	4.6	7
6	DRL-Based Long-Term Resource Planning for Task Offloading Policies in Multiserver Edge Computing Networks. IEEE Transactions on Network and Service Management, 2022, 19, 4151-4164.	4.9	7
7	Techno-Economic Analysis of 5G Non-Public Network Architectures. IEEE Access, 2022, 10, 70204-70218.	4.2	12
8	A Novel Autonomous Profiling Method for the Next-Generation NFV Orchestrators. IEEE Transactions on Network and Service Management, 2021, 18, 642-655.	4.9	16
9	Toward Deployments of ML Applications in Optical Networks. IEEE Photonics Technology Letters, 2021, 33, 537-540.	2.5	8
10	Hybrid-learning-assisted impairments abstraction framework for service planning and provisioning over multi-domain optical networks. Journal of Optical Communications and Networking, 2021, 13, A165.	4.8	1
11	Optical Network Architecture Supporting Dynamic and End-to-End Quantum Secure Networking. , 2021, , ,		3
12	Towards Low-latent & Load-balanced VNF Placement with Hierarchical Reinforcement Learning. , 2021, , ,		1
13	Intelligent Mobile Handover Prediction for Zero Downtime Edge Application Mobility. , 2021, , ,		6
14	Validating a 5G-Enabled Neutral Host Framework in City-Wide Deployments. Sensors, 2021, 21, 8103.	3.8	9
15	Multi-Objective Deep Reinforcement Learning Assisted Service Function Chains Placement. IEEE Transactions on Network and Service Management, 2021, 18, 4134-4150.	4.9	21
16	A Software-Defined IoT Device Management Framework for Edge and Cloud Computing. IEEE Internet of Things Journal, 2020, 7, 1718-1735.	8.7	44
17	Auto-3P: An autonomous VNF performance prediction & placement framework based on machine learning. Computer Networks, 2020, 181, 107433.	5.1	11
18	IEEE TCCN Special Section Editorial: Intelligent Resource Management for 5G and Beyond. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 422-427.	7.9	0

#	ARTICLE	IF	CITATIONS
19	The UK Programmable Fixed and Mobile Internet Infrastructure: Overview, Capabilities and Use Cases Deployment. IEEE Access, 2020, 8, 175398-175411.	4.2	4
20	Optimized placement of virtualized resources for 5G services exploiting live migration. Photonic Network Communications, 2020, 40, 233-244.	2.7	4
21	Adaptive FH optimization in MEC-assisted 5G environments. Photonic Network Communications, 2020, 40, 209-220.	2.7	1
22	End-to-End Performance-Based Autonomous VNF Placement With Adopted Reinforcement Learning. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 534-547.	7.9	44
23	11.2 Tb/s Classical Channel Coexistence With DV-QKD Over a 7-Core Multicore Fiber. Journal of Lightwave Technology, 2020, 38, 5064-5070.	4.6	24
24	ANN-Based Multi-Channel QoT-Prediction Over a 563.4-km Field-Trial Testbed. Journal of Lightwave Technology, 2020, 38, 2646-2655.	4.6	22
25	End-to-End Quantum Secured Inter-Domain 5G Service Orchestration Over Dynamically Switched Flex-Grid Optical Networks Enabled by a q-ROADM. Journal of Lightwave Technology, 2020, 38, 139-149.	4.6	35
26	P4-enabled Smart NIC: Enabling Sliceable and Service-Driven Optical Data Centres. Journal of Lightwave Technology, 2020, 38, 2688-2694.	4.6	21
27	Joint Fronthaul Optimization and SDN Controller Placement in Dynamic 5G Networks. Lecture Notes in Computer Science, 2020, , 181-192.	1.3	1
28	P4-Enabled Smart NIC for Intra-Server Network Virtualization Acceleration. , 2020, , .		0
29	Dynamic Softwarised RAN Function Placement in Optical Data Centre Networks. Lecture Notes in Computer Science, 2020, , 108-117.	1.3	0
30	5GUK Exchange: Towards sustainable end-to-end multi-domain orchestration of softwarized 5G networks. Computer Networks, 2020, 178, 107297.	5.1	8
31	Towards Zero Downtime Edge Application Mobility for Ultra-Low Latency 5G Streaming. , 2020, , .		8
32	Efficiency gains in 5G softwarised radio access networks. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	4
33	Resource Allocation for Ultra-Low Latency Virtual Network Services in Hierarchical 5G Network. , 2019, , .		7
34	Scalable Service Chaining in MEC-Assisted 5G Networks. Journal of Lightwave Technology, 2019, 37, 4115-4124.	4.6	6
35	Atomic-SDN: Is Synchronous Flooding the Solution to Software-Defined Networking in IoT?. IEEE Access, 2019, 7, 96019-96034.	4.2	25
36	Deploying a Novel 5G-Enabled Architecture on City Infrastructure for Ultra-High Definition and Immersive Media Production and Broadcasting. IEEE Transactions on Broadcasting, 2019, 65, 392-403.	3.2	36

#	ARTICLE	IF	CITATIONS
37	Monitoring and Physical-Layer Attack Mitigation in SDN-Controlled Quantum Key Distribution Networks. <i>Journal of Optical Communications and Networking</i> , 2019, 11, A209.	4.8	28
38	Distributed Online Resource Allocation Using Congestion Game for 5G Virtual Network Services. , 2019, , .		3
39	Time Shared Optical Network (TSON): A Programmable Network Edge Solution for Multi-Access Support. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4786.	2.5	2
40	Optical Network Virtualisation Using Multitechnology Monitoring and SDN-Enabled Optical Transceiver. <i>Journal of Lightwave Technology</i> , 2018, 36, 1890-1898.	4.6	10
41	Co-existence of 9.6 Tb/s Classical Channels and a Quantum Key Distribution (QKD) Channel over a 7-core Multicore Optical Fibre. , 2018, , .		8
42	Compute Resource Disaggregation: An Enabler for Efficient 5G RAN Softwarisation. , 2018, , .		5
43	Provisioning of 5G services employing machine learning techniques. , 2018, , .		13
44	Converged Access/Metro Infrastructures for 5G services. , 2018, , .		3
45	Secure NFV Orchestration Over an SDN-Controlled Optical Network With Time-Shared Quantum Key Distribution Resources. <i>Journal of Lightwave Technology</i> , 2017, 35, 1357-1362.	4.6	60
46	Wireless-Optical Network Convergence: Enabling the 5G Architecture to Support Operational and End-User Services. , 2017, 55, 184-192.		84
47	Optical network democratization. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20140443.	3.4	4
48	Scalable Monitoring and Optimization Techniques for Megascale Data Centers. <i>Journal of Lightwave Technology</i> , 2016, 34, 1980-1989.	4.6	1
49	Dynamic Virtual Network Reconfiguration Over SDN Orchestrated Multitechnology Optical Transport Domains. <i>Journal of Lightwave Technology</i> , 2016, 34, 1933-1938.	4.6	31
50	Synthesis, resiliency and power efficiency of function programmable optical nodes. , 2015, , .		2
51	Survey and Evaluation of Space Division Multiplexing: From Technologies to Optical Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2015, 17, 2136-2156.	39.4	267
52	All-optical packet/circuit switching-based data center network for enhanced scalability, latency, and throughput. <i>IEEE Network</i> , 2013, 27, 14-22.	6.9	87
53	An analytical model for software defined networking: A network calculus-based approach. , 2013, , .		77