

# Vaclav Oujezsky

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

160  
citations

1478505

6  
h-index

1372567

10  
g-index

36  
all docs

36  
docs citations

36  
times ranked

119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive Optical Networks Progress: A Tutorial. Electronics (Switzerland), 2020, 9, 1081.	3.1	34
2	Simultaneous transmission of accurate time, stable frequency, data, and sensor system over one fiber with ITU 100â€GHz grid. Optical Fiber Technology, 2018, 40, 139-143.	2.7	17
3	Activation Process of ONU in EPON/GPON/XG-PON/NG-PON2 Networks. Applied Sciences (Switzerland), 2018, 8, 1934.	2.5	15
4	Efficiency Tests of DBA Algorithms in XG-PON. Electronics (Switzerland), 2019, 8, 762.	3.1	7
5	Parallel Genetic Algorithmsâ€™ Implementation Using a Scalable Concurrent Operation in Python. Sensors, 2022, 22, 2389.	3.8	7
6	Implementation of NG-PON2 transmission convergence layer into OPNET modeler. , 2017, , .		6
7	Application for GPON Frame Analysis. Electronics (Switzerland), 2019, 8, 700.	3.1	6
8	Traffic Similarity Observation Using a Genetic Algorithm and Clustering. Technologies, 2018, 6, 103.	5.1	5
9	Case study and comparison of SimPy 3 and OMNeT++ Simulation. , 2016, , .		4
10	Parallel Processing of Genetic Algorithms in Python Language. , 2019, , .		4
11	GPON Network with Simulated Rogue ONU. , 2019, , .		4
12	GPON PLOAMd Message Analysis Using Supervised Neural Networks. Applied Sciences (Switzerland), 2020, 10, 8139.	2.5	4
13	Testing of Python Models of Parallelized Genetic Algorithms. , 2020, , .		4
14	Simulations of Grant Allocation in NG-PON2 Networks Using OPNET Modeler. Journal of Communications Software and Systems, 2018, 14, .	0.8	4
15	Modeling botnet C&C traffic lifespans from NetFlow using survival analysis. , 2016, , .		3
16	Internet of Things Security Overview and Practical Demonstration. , 2018, , .		3
17	GPON Analyzer - Frame Parser Module. , 2019, , .		3
18	Comparison of Models of Parallelized Genetic Algorithms. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	New Security Improvements in Next-Generation Passive Optical Networks Stage 2. Applied Sciences (Switzerland), 2019, 9, 4430.	2.5	3
20	MongoDB Database as Storage for GPON Frames. Sensors, 2020, 20, 6208.	3.8	3
21	FPGA xPON Traffic Analysis. , 2021, , .		3
22	Modified GIANT Dynamic Bandwidth Allocation Algorithm of NG-PON. Journal of Communications Software and Systems, 2017, 13, 15.	0.8	2
23	Activation Process of ONU in EPON/GPON Networks. , 2018, , .		2
24	Fpga Network Card And System For Gpon Frames Analysis At Optical Layer. , 2019, , .		2
25	Modem network vulnerabilities and security testing &#x2014; Actual threats. , 2015, , .		1
26	GPON Parser for Database Analysis. , 2019, , .		1
27	Security Testing Of Active Optical Network Devices. , 2019, , .		1
28	Application for Determining whether IP Addresses belong to a Map by Coordinates. , 2019, , .		1
29	Key Exchange with PUF in NG-PON2 Networks. , 2019, , .		1
30	Model of Fiber Optic Transmission System Based on the Red Pitaya. , 2019, , .		1
31	Time and Memory Complexity of Next-Generation Passive Optical Networks in NS-3. , 2019, , .		1
32	GPON Frame Analysis with Artificial Immune System. , 2019, , .		1
33	GPON Frame Data Processing. , 2019, , .		1
34	Storage for Traffic from xPON Networks. , 2020, , .		1
35	GPON Traffic Analysis with TensorFlow. , 2020, , .		1
36	Hardware Utilization of Models of Genetic Algorithms. , 2020, , .		1