Michal Aibin

List of Publications by Year
in descending order

41 papers	356 citations	1478505 6 h-index	1474206 9 g-index
41 all docs	41 docs citations	41 times ranked	199 citing authors

#	Article	IF	Citations
1	Aerial Footage Analysis Using Computer Vision for Efficient Detection of Points of Interest Near Railway Tracks. Aerospace, 2022, 9, 370.	2.2	6
2	On Short- and Long-Term Traffic Prediction in Optical Networks Using Machine Learning. , 2021, , .		12
3	Privacy Preserving Occupancy Detection Using NB IoT Sensors. , 2021, , .		1
4	Survey of RPAS Autonomous Control Systems Using Artificial Intelligence. IEEE Access, 2021, 9, 167580-167591.	4.2	10
5	Slot Based Round Robin Algorithm for RMCSA Problem in a Spatially-Spectrally FONs. , 2021, , .		0
6	Deep RMCSA for Resource Allocation in Spectrally-Spatially Flexible Optical Networks. , 2021, , .		0
7	A Survey on Traffic Prediction Techniques Using Artificial Intelligence for Communication Networks. Telecom, 2021, 2, 518-535.	2.6	17
8	Traffic Prediction in Optical Networks Using Graph Convolutional Generative Adversarial Networks. , 2020, , .		20
9	Energy Consumption Reduction of the Survivable Spectrally-Spatially Flexible Optical Networks. , 2020, , .		2
10	The Weather Impact on Heating and Air Conditioning With Smart Thermostats. Canadian Journal of Electrical and Computer Engineering, 2020, 43, 190-194.	2.0	3
11	Monte Carlo Tree Search with Last-Good-Reply Policy for Cognitive Optimization of Cloud-Ready Optical Networks. Journal of Network and Systems Management, 2020, 28, 1722-1744.	4.9	12
12	Content Delivery Networks - Q-Learning Approach for Optimization of the Network Cost and the Cache Hit Ratio. , 2020, , .		2
13	On advantages of data driven traffic classification for dynamic routing in optical networks. , 2020, , .		0
14	Regenerator Placement in Survivable Optical Networks Using Deep Tensor Neural Network. , 2020, , .		1
15	Energy Consumption Reduction of the Spectrally-Spatially Flexible Optical Networks Based on the Energy Savings Algorithm. , 2020, , .		0
16	Honeybee Algorithm for Content Delivery Networks. , 2020, , .		0
17	LSTM for Cloud Data Centers Resource Allocation in Software-Defined Optical Networks. , 2020, , .		4
18	Adaptive Modulation Regenerator and Distance Aware Algorithm for Dynamic Routing in Elastic Optical Networks. , 2020, , .		0

#	Article	IF	Citations
19	Optimization of Regenerator Placement in Optical Networks Using Deep Tensor Neural Network. , 2020, , .		2
20	On Efficient Candidate Path Selection for Dynamic Routing in Elastic Optical Networks. , 2020, , .		1
21	Machine Learning for Regenerator Placement Based on the Features of the Optical Network. , 2019, , .		8
22	Drones' Face off: Authentication by Machine Learning in Autonomous IoT Systems. , 2019, , .		13
23	Monte Carlo Tree Search for Cross-Stratum Optimization of Survivable Inter-Data Center Elastic Optical Network. , 2018, , .		5
24	Traffic Prediction for Inter-Data Center Cross-Stratum Optimization Problems. , 2018, , .		11
25	Traffic prediction based on machine learning for elastic optical networks. Optical Switching and Networking, 2018, 30, 33-39.	2.0	31
26	On Faculty Supervision in Industry Projects. , 2018, , .		1
27	The Effectiveness of the Simplicity in Evolutionary Computation. Lecture Notes in Computer Science, 2017, , 392-402.	1.3	1
28	The evolutionary cost of Baldwin effect in the routing and spectrum allocation problem in elastic optical networks. Applied Soft Computing Journal, 2017, 52, 843-862.	7.2	13
29	Software-defined adaptive survivability for elastic optical networks. Optical Switching and Networking, 2017, 23, 85-96.	2.0	15
30	Analysis of inter-data center elastic optical network. , 2017, , .		1
31	Multicasting versus anycasting: How to efficiently deliver content in elastic optical networks. , 2016, , .		6
32	Resource requirements in fixed-grid and flex-grid networks for dynamic provisioning of data center traffic. , 2016, , .		8
33	An overview of security challenges in communication networks. , 2016, , .		41
34	Different strategies for dynamic multicast traffic protection in elastic optical networks. , 2016, , .		6
35	Defragmentation algorithm for joint dynamic and static routing problems in elastic optical networks with unicast and anycast traffic. , 2016, , .		6
36	Adaptive survivability algorithm for path protection with various traffic classes in elastic optical networks. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
37	Regenerator placement algorithms for cloud-ready Elastic Optical Networks. , 2015, , .		8
38	Adaptive modulation and regenerator-aware dynamic routing algorithm in elastic optical networks. , 2015, , .		34
39	Complex Elastic Optical Network Simulator (CEONS). , 2015, , .		16
40	Dynamic routing of anycast and unicast traffic in elastic optical networks with various modulation formats — Trade-off between blocking probability and network cost. , 2014, , .		12
41	Simulated Annealing algorithm for optimization of elastic optical networks with unicast and anycast traffic. , 2014, , .		21