Piotr Antonik

List of Publications by Year
in descending order

17 papers	368 citations	1040056 9 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	380 citing authors

#	Article	IF	Citations
1	Bayesian Optimisation of Large-scale Photonic Reservoir Computers. Cognitive Computation, 2023, 15, 1452-1460.	5.2	11
2	Large-Scale Spatiotemporal Photonic Reservoir Computer for Image Classification. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-12.	2.9	34
3	Impact of optical coherence on the performance of large-scale spatiotemporal photonic reservoir computing systems. Optics Express, 2020, 28, 27989.	3.4	10
4	Human action recognition with a large-scale brain-inspired photonic computer. Nature Machine Intelligence, 2019, 1, 530-537.	16.0	91
5	Comparison of Feature Extraction Techniques for Handwritten Digit Recognition with a Photonic Reservoir Computer. Lecture Notes in Computer Science, 2019, , 175-179.	1.3	0
6	Random Pattern and Frequency Generation Using a Photonic Reservoir Computer with Output Feedback. Neural Processing Letters, 2018, 47, 1041-1054.	3.2	3
7	Application of FPGA to Realâ€Time Machine Learning. Springer Theses, 2018, , .	0.1	15
8	Using a reservoir computer to learn chaotic attractors, with applications to chaos synchronization and cryptography. Physical Review E, 2018, 98, 012215.	2.1	65
9	Photonic Reservoir Computer withÂOutput Feedback. Springer Theses, 2018, , 91-121.	0.1	0
10	Towards Online-Trained Analogue Readout Layer. Springer Theses, 2018, , 123-135.	0.1	0
11	Online Training of a Photonic Reservoir Computer. Springer Theses, 2018, , 39-62.	0.1	0
12	Online Training for High-Performance Analogue Readout Layers in Photonic Reservoir Computers. Cognitive Computation, 2017, 9, 297-306.	5.2	11
13	Brain-Inspired Photonic Signal Processor for Generating Periodic Patterns and Emulating Chaotic Systems. Physical Review Applied, 2017, 7, .	3.8	47
14	Online Training of an Opto-Electronic Reservoir Computer Applied to Real-Time Channel Equalization. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2686-2698.	11.3	59
15	Towards Adjustable Signal Generation with Photonic Reservoir Computers. Lecture Notes in Computer Science, 2016, , 374-381.	1.3	3
16	Pattern and Frequency Generation Using an Opto-Electronic Reservoir Computer with Output Feedback. Lecture Notes in Computer Science, 2016, , 318-325.	1.3	3
17	Towards pattern generation and chaotic series prediction with photonic reservoir computers. Proceedings of SPIE, 2016, , .	0.8	16