Takafumi Tanaka

List of Publications by Year
in descending order

		1307594	1720034
10 papers	**842** citations	**7** h-index	**7** g-index
11 all docs	**11** docs citations	**11** times ranked	**573** citing authors

#	Article	IF	Citations
1	Distance-adaptive spectrum resource allocation in spectrum-sliced elastic optical path network [Topics in Optical Communications. , 2010, 48, 138-145.		725
2	Monitoring and diagnostic technologies using deep neural networks for predictive optical network maintenance [Invited]. Journal of Optical Communications and Networking, 2021, 13, E13.	4.8	24
3	Enabling fully programmable transponder white boxes [Invited]. Journal of Optical Communications and Networking, 2020, 12, A214.	4.8	22
4	Open whitebox architecture for smart integration of optical networking and data center technology [Invited]. Journal of Optical Communications and Networking, 2021, 13, A78.	4.8	22
5	Intelligent Monitoring of Optical Fiber Bend Using Artificial Neural Networks Trained With Constellation Data. IEEE Networking Letters, 2019, 1, 60-62.	1.9	15
6	Autonomous network diagnosis from the carrier perspective [Invited]. Journal of Optical Communications and Networking, 2020, 12, A9.	4.8	15
7	Demonstration of a Novel Framework for Proactive Maintenance Using Failure Prediction and Bit Lossless Protection With Autonomous Network Diagnosis System. Journal of Lightwave Technology, 2020, 38, 2695-2702.	4.6	10
8	Demonstration of Single-Mode Multicore Fiber Transport Network With Crosstalk-Aware In-Service Optical Path Control. Journal of Lightwave Technology, 2018, 36, 1451-1457.	4.6	9
9	CAT platform: Challenges Toward Autonomous Network Diagnosis. , 2019, , .		0
10	Light-weight Machine Learning based Intelligent Constellation Diagram Analyzer. , 2020, , .		0