June-Koo Kevin Rhee

List of Publications by Year
in descending order

66 papers	**831** citations	623734 **14** h-index	526287 **27** g-index
66 all docs	**66** docs citations	**66** times ranked	**811** citing authors

#	Article	IF	Citations
1	All optical discrete Fourier transform processor for 100 Gbps OFDM transmission. Optics Express, 2008, 16, 4023.	3.4	129
2	Quantum classifier with tailored quantum kernel. Npj Quantum Information, 2020, 6, .	6.7	91
3	Circuit-Based Quantum Random Access Memory for Classical Data. Scientific Reports, 2019, 9, 3949.	3.3	68
4	Nonlinear Equalizer Based on Neural Networks for PAM-4 Signal Transmission Using DML. IEEE Photonics Technology Letters, 2018, 30, 1416-1419.	2.5	58
5	Chirped-pulse amplification of 85-fs pulses at 250 kHz with third-order dispersion compensation by use of holographic transmission gratings. Optics Letters, 1994, 19, 1550.	3.3	51
6	Transparent ultra-long-haul DWDM networks with "broadcast-and-select" OADM/OXC architecture. Journal of Lightwave Technology, 2003, 21, 2661-2672.	4.6	40
7	Efficient Cache Placement Strategy in Two-Tier Wireless Content Delivery Network. IEEE Transactions on Multimedia, 2016, 18, 1163-1174.	7.2	40
8	DPSK 32 x 10 Gb/s transmission modeling on 5 x 90 km terrestrial system. IEEE Photonics Technology Letters, 2000, 12, 1627-1629.	2.5	37
9	Efficient Ethernet Ring Mesh Network Design. Journal of Lightwave Technology, 2011, 29, 2677-2683.	4.6	21
10	Quantum Error Mitigation With Artificial Neural Network. IEEE Access, 2020, 8, 188853-188860.	4.2	21
11	Multiview Variational Deep Learning With Application to Practical Indoor Localization. IEEE Internet of Things Journal, 2021, 8, 12375-12383.	8.7	21
12	A broadcast-and-select OADM optical network with dedicated optical-channel protection. Journal of Lightwave Technology, 2003, 21, 25-31.	4.6	18
13	Efficient Design and Scalable Control for Store-and-Forward Capable Optical Transport Networks. Journal of Optical Communications and Networking, 2017, 9, 699.	4.8	18
14	Traffic Grooming for IP-Over-WDM Networks: Energy and Delay Perspectives. Journal of Optical Communications and Networking, 2014, 6, 96.	4.8	15
15	System tolerance of all-optical sampling OFDM using AWG discrete Fourier transform. Optics Express, 2011, 19, 13590.	3.4	13
16	IP-Over-WDM Cross-Layer Design for Green Optical Networking With Energy Proportionality Consideration. Journal of Lightwave Technology, 2012, 30, 2088-2096.	4.6	12
17	Filter concatenation penalties for 10-Gb/s chirped transmitters suitable for WDM metropolitan area networks. IEEE Photonics Technology Letters, 2002, 14, 564-566.	2.5	11
18	Multigigabits per second board-level clock distribution schemes using laminated end-tapered fiber bundles. IEEE Photonics Technology Letters, 1998, 10, 884-886.	2.5	9

#	Article	IF	Citations
19	Joint optimization of cache server deployment and request routing with cooperative content replication. , 2014, , .		9
20	Security analysis of quantum key distribution on passive optical networks. Optics Express, 2017, 25, 11894.	3.4	9
21	Machine Learning for Practical Localization System Using Multiview CSI. IEEE Access, 2020, 8, 184575-184584.	4.2	9
22	Efficient network design for highly available smart grid communications. , 2012, , .		8
23	Reliable Network Design for Ethernet Ring Mesh Networks. Journal of Lightwave Technology, 2013, 31, 152-160.	4.6	8
24	Ethernet Ring Protection Using Filtering Database Flip Scheme For Minimum Capacity Requirement. ETRI Journal, 2008, 30, 874-876.	2.0	8
25	Scalable software-defined optical networking with high-performance routing and wavelength assignment algorithms. Optics Express, 2015, 23, 27354.	3.4	7
26	Cost-Effective Topology Design for HSR Resilient Mesh Networks. Journal of Optical Communications and Networking, 2015, 7, 8.	4.8	7
27	Longer distance continuous variable quantum key distribution protocol with photon subtraction at the receiver. Quantum Information Processing, 2019, 18, 1.	2.2	7
28	Greedy Local Routing Strategy for Autonomous Global Load Balancing Based on Three-Dimensional Potential Field. IEEE Communications Letters, 2010, 14, 839-841.	4.1	6
29	Introduction to the Special Issue on Optical Networking for 5G Mobile and Wireless Communications. Journal of Optical Communications and Networking, 2016, 8, FGM1.	4.8	6
30	Informatic analysis for hidden pulse attack exploiting spectral characteristics of optics in plug-and-play quantum key distribution system. Quantum Information Processing, 2016, 15, 4265-4282.	2.2	6
31	Blind nonlinearity mitigation of 10G DMLs using sparse Volterra equalizer in IM/DD PAM-4 transmission systems. Optical Fiber Technology, 2020, 59, 102322.	2.7	6
32	Optical burst add-drop multiplexing technique for sub-wavelength granularity in wavelength multiplexed ring networks. Optics Express, 2007, 15, 13256.	3.4	5
33	Energy-aware algorithms for network-assisted device-to-device content delivery networks. , 2015, , .		5
34	Unsupervised View-Selective Deep Learning for Practical Indoor Localization Using CSI. IEEE Sensors Journal, 2021, 21, 24398-24408.	4.7	5
35	Add-drop Benes network for scalable optical packet networks. Optics Express, 2011, 19, 8632.	3.4	4
36	Traffic off-balancing algorithm: Toward energy proportional datacenter network. , 2012, , .		4

#	Article	IF	Citations
37	Green IP over WDM network design considering energy-load proportionality. , 2012, , .		4
38	Experimental Demonstration of a Photonic Frame Based Packet-Switched Optical Network for Data Centers. Journal of Lightwave Technology, 2020, 38, 1113-1124.	4.6	4
39	CompFi: Partially Connected Neural Network Using Complex CSI Data for Indoor Localization. , 2020, , .		4
40	Autonomous load balancing anycast routing protocol for wireless mesh networks. , 2009, , .		3
41	Lightweight caching strategy for wireless content delivery networks. IEICE Communications Express, 2014, 3, 150-155.	0.4	3
42	Energy efficient network planning: Issues and prospects in wired/wireless network. , 2011, , .		2
43	Flush optimization in Ethernet ring protection network. , 2011, , .		2
44	30-Gb/s PAM-8 Transmission with Directly-Modulated Laser using Machine Learning Equalizer. , 2018, , .		2
45	Photonic-Frame-Based TCP proxy architecture in optically interconnected data center networks. Computer Networks, 2018, 147, 14-26.	5.1	2
46	Blind nonlinear equalizer using artificial neural networks for PAM-4 signal transmissions with DMLs. Optical Fiber Technology, 2021, 64, 102582.	2.7	2
47	Analysis of PLR for Shared Switch Fabrics. ETRI Journal, 2011, 33, 136-139.	2.0	1
48	Energy efficient basestation operation with traffic-specific energy consumption. , 2013, , .		1
49	Efficient cache placement strategy for wireless content delivery networks. , 2013, , .		1
50	Theories and applications of chromatic dispersion penalty mitigation in all optical OFDM transmission system. Optics Express, 2013, 21, 1669.	3.4	1
51	A low-cost OFDMA-PON upstream architecture using direct-detection for front-haul service in cloud radio access networks. , 2015, , .		1
52	A Wireless Link-Up Augmentation Design for Disaster-Resilient Optical Networks. Journal of Lightwave Technology, 2015, 33, 3516-3524.	4.6	1
53	The Error Tolerance Bound for Secure Multi-Qubit QKD Against Incoherent Attack. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 178-186.	2.9	1
54	Zadoffâ€"Chu sequence-based hitless ranging scheme for OFDMA-PON configured 5G fronthaul uplinks. Optical Engineering, 2017, 56, 056110.	1.0	1

#	Article	IF	Citations
55	Mixed Quantum State Dynamics Estimation with Artificial Neural Network. , 2018, , .		1
56	Quantum-classical reinforcement learning for decoding noisy classical parity information. Quantum Machine Intelligence, 2020, 2, 1.	4.8	1
57	Terabit-Per-Second Optical Super-Channel Receiver Models for Partial Demultiplexing of an OFDM Spectrum. Journal of the Optical Society of Korea, 2015, 19, 334-339.	0.6	1
58	Novel Statistical OSNR Budgeting for Optically Amplified DWDM Circuits With Polarization-Dependent Loss. IEEE Photonics Technology Letters, 2007, 19, 354-356.	2.5	0
59	Ethernet ring protection networks. , 2010, , .		0
60	CDNI field trial on ISP networks. , 2014, , .		0
61	Tbps optical super-channel receiver models for partial demultiplexing of OFDM spectrum. , 2014, , .		0
62	Dynamically reconfigurable low-cost sub-band OFDMA for front-haul downlink in cloud radio access networks. , 2015, , .		0
63	Optimal Multicast Control for Simple Network Coding. IEEE Transactions on Vehicular Technology, 2015, 64, 2375-2386.	6.3	0
64	A simple M-branch diversity receiver model for PMD-induced penalty mitigation in IM-DD optical transmission systems. , 2016, , .		0
65	Optimal dynamic subcarrier allocation for dual-band OFDMA-PON supporting integrated fronthaul and backhaul in 5G networks. ICT Express, 2018, 4, 138-143.	4.8	0
66	Zadoff-Chu sequence-based upstream ranging in OFDMA-PON mobile radio access networks. Optics Express, 2018, 26, 17662.	3.4	0