June-Koo Kevin Rhee

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Unsupervised View-Selective Deep Learning for Practical Indoor Localization Using CSI. IEEE Sensors Journal, 2021, 21, 24398-24408.	4.7	5
2	Blind nonlinear equalizer using artificial neural networks for PAM-4 signal transmissions with DMLs. Optical Fiber Technology, 2021, 64, 102582.	2.7	2
3	Multiview Variational Deep Learning With Application to Practical Indoor Localization. IEEE Internet of Things Journal, 2021, 8, 12375-12383.	8.7	21
4	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
5	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
6	Quantum-classical reinforcement learning for decoding noisy classical parity information. Quantum Machine Intelligence, 2020, 2, 1.	4.8	1
7	Quantum Error Mitigation With Artificial Neural Network. IEEE Access, 2020, 8, 188853-188860.	4.2	21
8	Machine Learning for Practical Localization System Using Multiview CSI. IEEE Access, 2020, 8, 184575-184584.	4.2	9
9	Quantum classifier with tailored quantum kernel. Npj Quantum Information, 2020, 6, .	6.7	91
10	CompFi: Partially Connected Neural Network Using Complex CSI Data for Indoor Localization. , 2020, , .		4
11	Longer distance continuous variable quantum key distribution protocol with photon subtraction at the receiver. Quantum Information Processing, 2019, 18, 1.	2.2	7
12	Circuit-Based Quantum Random Access Memory for Classical Data. Scientific Reports, 2019, 9, 3949.	3.3	68
13	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
14	30-Gb/s PAM-8 Transmission with Directly-Modulated Laser using Machine Learning Equalizer. , 2018, , .		2
15	Mixed Quantum State Dynamics Estimation with Artificial Neural Network. , 2018, , .		1
16	Photonic-Frame-Based TCP proxy architecture in optically interconnected data center networks. Computer Networks, 2018, 147, 14-26.	5.1	2
17	Nonlinear Equalizer Based on Neural Networks for PAM-4 Signal Transmission Using DML. IEEE Photonics Technology Letters, 2018, 30, 1416-1419.	2.5	58
18	Zadoff-Chu sequence-based upstream ranging in OFDMA-PON mobile radio access networks. Optics Express, 2018, 26, 17662.	3.4	0

#	Article	IF	Citations
19	Zadoffâ€“Chu sequence-based hitless ranging scheme for OFDMA-PON configured 5G fronthaul uplinks. Optical Engineering, 2017, 56, 056110.	1.0	1
20	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
21	Security analysis of quantum key distribution on passive optical networks. Optics Express, 2017, 25, 11894.	3.4	9
22	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
23	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
24	A simple M-branch diversity receiver model for PMD-induced penalty mitigation in IM-DD optical transmission systems. , 2016, , .		0
25	Efficient Cache Placement Strategy in Two-Tier Wireless Content Delivery Network. IEEE Transactions on Multimedia, 2016, 18, 1163-1174.	7.2	40
26	Scalable software-defined optical networking with high-performance routing and wavelength assignment algorithms. Optics Express, 2015, 23, 27354.	3.4	7
27	Dynamically reconfigurable low-cost sub-band OFDMA for front-haul downlink in cloud radio access networks. , 2015, , .		0
28	A low-cost OFDMA-PON upstream architecture using direct-detection for front-haul service in cloud radio access networks. , 2015, , .		1
29	Energy-aware algorithms for network-assisted device-to-device content delivery networks. , 2015, , .		5
30	Cost-Effective Topology Design for HSR Resilient Mesh Networks. Journal of Optical Communications and Networking, 2015, 7, 8.	4.8	7
31	Optimal Multicast Control for Simple Network Coding. IEEE Transactions on Vehicular Technology, 2015, 64, 2375-2386.	6.3	0
32	A Wireless Link-Up Augmentation Design for Disaster-Resilient Optical Networks. Journal of Lightwave Technology, 2015, 33, 3516-3524.	4.6	1
33	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
34	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
35	Joint optimization of cache server deployment and request routing with cooperative content replication. , 2014, , .		9
36	CDNI field trial on ISP networks. , 2014, , .		0

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37	Tbps optical super-channel receiver models for partial demultiplexing of OFDM spectrum. , 2014, , .		0
38	Traffic Grooming for IP-Over-WDM Networks: Energy and Delay Perspectives. Journal of Optical Communications and Networking, 2014, 6, 96.	4.8	15
39	Lightweight caching strategy for wireless content delivery networks. IEICE Communications Express, 2014, 3, 150-155.	0.4	3
40	Energy efficient basestation operation with traffic-specific energy consumption. , 2013, , .		1
41	Efficient cache placement strategy for wireless content delivery networks. , 2013, , .		1
42	Reliable Network Design for Ethernet Ring Mesh Networks. Journal of Lightwave Technology, 2013, 31, 152-160.	4.6	8
43	Theories and applications of chromatic dispersion penalty mitigation in all optical OFDM transmission system. Optics Express, 2013, 21, 1669.	3.4	1
44	Traffic off-balancing algorithm: Toward energy proportional datacenter network. , 2012, , .		4
45	Green IP over WDM network design considering energy-load proportionality. , 2012, , .		4
46	Efficient network design for highly available smart grid communications. , 2012, , .		8
47	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
48	Energy efficient network planning: Issues and prospects in wired/wireless network. , 2011, , .		2
49	Flush optimization in Ethernet ring protection network. , 2011, , .		2
50	Efficient Ethernet Ring Mesh Network Design. Journal of Lightwave Technology, 2011, 29, 2677-2683.	4.6	21
51	Add-drop Benes network for scalable optical packet networks. Optics Express, 2011, 19, 8632.	3.4	4
52	System tolerance of all-optical sampling OFDM using AWG discrete Fourier transform. Optics Express, 2011, 19, 13590.	3.4	13
53	Analysis of PLR for Shared Switch Fabrics. ETRI Journal, 2011, 33, 136-139.	2.0	1
54	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

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55	Ethernet ring protection networks. , 2010, , .		0
56	Autonomous load balancing anycast routing protocol for wireless mesh networks. , 2009, , .		3
57	All optical discrete Fourier transform processor for 100 Gbps OFDM transmission. Optics Express, 2008, 16, 4023.	3.4	129
58	Ethernet Ring Protection Using Filtering Database Flip Scheme For Minimum Capacity Requirement. ETRI Journal, 2008, 30, 874-876.	2.0	8
59	Optical burst add-drop multiplexing technique for sub-wavelength granularity in wavelength multiplexed ring networks. Optics Express, 2007, 15, 13256.	3.4	5
60	Novel Statistical OSNR Budgeting for Optically Amplified DWDM Circuits With Polarization-Dependent Loss. IEEE Photonics Technology Letters, 2007, 19, 354-356.	2.5	0
61	A broadcast-and-select OADM optical network with dedicated optical-channel protection. Journal of Lightwave Technology, 2003, 21, 25-31.	4.6	18
62	Transparent ultra-long-haul DWDM networks with "broadcast-and-select" OADM/OXC architecture. Journal of Lightwave Technology, 2003, 21, 2661-2672.	4.6	40
63	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
64	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
65	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
66	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