Yeung, Lk

List of Publications by Year
in descending order

87 papers	895 citations	686830 13 h-index	552369 26 g-index
87 all docs	87 docs citations	87 times ranked	590 citing authors

#	Article	IF	Citations
1	Wideband Monostatic Co-Horizontally Polarized Simultaneous Transmit and Receive Antenna Subsystem With Integrated Beamforming Network. IEEE Transactions on Antennas and Propagation, 2022, 70, 1505-1510.	3.1	6
2	Dipole Antenna With Both Odd and Even Modes Excited and Tuned. IEEE Transactions on Antennas and Propagation, 2022, 70, 1643-1652.	3.1	6
3	Decoupling and Matching Network for Dual-Band MIMO Antennas. IEEE Transactions on Antennas and Propagation, 2022, 70, 1764-1775.	3.1	24
4	Novel CMA Scheme to Design Self-Decoupled MIMO Dipole Pair for Base-Station Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 2480-2489.	3.1	10
5	A Low-Profile Fabry–Pérot Cavity Antenna Using Anisotropic Metasurface. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 356-360.	2.4	5
6	A Novel Dipole Configuration With Improved Out-of-Band Rejection and its Applications in Low-Profile Dual-Band Dual-Polarized Stacked Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 3517-3522.	3.1	20
7	Isolation Enhancement for MIMO Patch Antennas Sharing a Common Thick Substrate: Using a Dielectric Block to Control Space-Wave Coupling to Cancel Surface-Wave Coupling. IEEE Transactions on Antennas and Propagation, 2021, 69, 1853-1863.	3.1	38
8	Design of Small Multiband Full-Screen Smartwatch Antenna for IoT Applications. IEEE Internet of Things Journal, 2021, 8, 17724-17733.	5.5	25
9	Roulette Wheel Balancing Algorithm With Dynamic Flowlet Switching for Multipath Datacenter Networks. IEEE/ACM Transactions on Networking, 2021, 29, 834-847.	2.6	4
10	Fragmentation-Aware Entanglement Routing for Quantum Networks. Journal of Lightwave Technology, 2021, 39, 4584-4591.	2.7	11
11	LBFA: A Load-Balanced and Fragmentation-Aware Resource Allocation Algorithm in Space-Division Multiplexing Elastic Optical Networks. Photonics, 2021, 8, 456.	0.9	8
12	Penta-band Dual-fed Smart Glasses IoT Antenna. , 2020, , .		5
13	A General and Systematic Method to Design Neutralization Lines for Isolation Enhancement in MIMO Antenna Arrays. IEEE Transactions on Vehicular Technology, 2020, 69, 6242-6253.	3.9	57
14	Dynamic service provisioning in space-division multiplexing elastic optical networks. Journal of Optical Communications and Networking, 2020, 12, 335.	3.3	13
15	ILP Formulation for Designing Rings in Routerless Network-on-Chip. , 2019, , .		1
16	Effect of the screen to metal-frame smartphone antennas. , 2019, , .		8
17	Flexible Wideband Microstrip-Slotline-Microstrip Power Divider and its Application to Antenna Array. IEEE Access, 2019, 7, 143973-143979.	2.6	8
18	MiniForest: Distributed and Dynamic Multicasting in Datacenter Networks. IEEE Transactions on Network and Service Management, 2019, 16, 1268-1281.	3.2	5

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19	Metal-Frame Antenna for Big-Screen Smartphones Using Characteristic Mode Analysis. IEEE Access, 2019, 7, 122224-122231.	2.6	10
20	Traffic Engineering in Segment Routing using MILP. , 2019, , .		6
21	Routing in Black Box: Modularized Load Balancing for Multipath Data Center Networks. , 2019, , .		16
22	Novel and Efficient Parasitic Decoupling Network for Closely Coupled Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 3574-3585.	3.1	92
23	Onion: An Efficient Heuristic for Designing Routerless Network-on-Chip. , 2019, , .		1
24	A Wideband Dual-Polarized Inductor-End Slot Antenna With Stable Beamwidth. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 608-612.	2.4	16
25	Highest Rank First: A New Class of Single-Iteration Scheduling Algorithms for Input-Queued Switches. IEEE Access, 2018, 6, 11046-11062.	2.6	11
26	A New Scheduling Algorithm for Input-Queued Switches with Mixed Unicast and Multicast Traffic. , 2018, , .		2
27	Scheduling Mixed Unicast and Multicast Traffic with Variable-Size Packets in Input-Queued Switches. , 2018, , .		0
28	Global Round Robin: Efficient Routing With Cut-Through Switching in Fat-Tree Data Center Networks. IEEE/ACM Transactions on Networking, 2018, 26, 2230-2241.	2.6	10
29	LLE: A timer extension mechanism for alarm-triggered traffic in IEEE 802.11ah WLANs. , 2017, , .		5
30	Iterative multicast scheduling algorithm for input-queued switch with variable packet size. , 2017, , .		3
31	Designing Network Monitoring Schemes Based on Segment Routing. , 2017, , .		4
32	An Efficient Routing Algorithm in Fat-Tree Data Center Networks. , 2016, , .		7
33	On Iterative Scheduling for Input-Queued Switches With a Speedup of $2-1/N$. IEEE/ACM Transactions on Networking, 2016, 24, 3565-3577.	2.6	11
34	Distributed and dynamic multicast scheduling in fat-tree data center networks. , 2016, , .		5
35	Pipelined Scheduler for Unicast and Multicast Traffic in Input-Queued Switches. , 2016, , .		6
36	Overlay Topology as Random-Walk Cache. , 2015, , .		0

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37	LRB: An Efficient Fast Local Rerouting Algorithm for Fat-Tree Networks. , 2015, , .		1
38	DLI: A dynamic listen interval scheme for infrastructure-based IEEE 802.11 WLANs. , 2015, , .		6
39	A novel delayed wakeup scheme for efficient power management in infrastructure-based IEEE 802.11 WLANs. , 2015, , .		4
40	Ultra-large feedback-based switch implementation for data center networks. , 2015, , .		0
41	On iterative scheduling for input-queued switches with a speedup of 2−1/N. , 2014, , .		1
42	Packet-based load-balancing in fat-tree based data center networks. , 2014, , .		2
43	LRB: An Efficient Fast Local Rerouting Algorithm for Fat-Tree Networks. , 2014, , .		0
44	Link quality based EDCA MAC protocol for WAVE vehicular networks. , 2013, , .		0
45	FTMS: An efficient multicast scheduling algorithm for feedback-based two-stage switch. , 2012, , .		0
46	Enhancing TCP performance in IP fast reroute. , 2012, , .		1
47	Request-peer selection for load-balancing in P2P live streaming systems. , 2012, , .		5
48	Variable power broadcasting based on local information for source-dependent broadcasting protocols. , 2011, , .		1
49	Closest Playback-Point First: A New Peer Selection Algorithm for P2P VoD Systems. , 2011, , .		11
50	Achieving 100% Throughput for Multicast Traffic in Input-Queued Switches. , 2011, , .		0
51	A New Phase for Screening Redundant Broadcast Nodes in Source-Independent Broadcasting Protocols. , 2011, , .		1
52	Minimizing the Communication Overhead of Iterative Scheduling Algorithms for Input-Queued Switches. , 2011, , .		1
53	Two-step routing for dynamic traffic protection in WDM networks with wavelength continuity constraint. , 2011, , .		0
54	On Maximizing the Throughput of Opportunistic Multicast in Wireless Cellular Networks with Erasure Codes. , 2011, , .		12

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55	D-LQF: An Efficient Distributed Scheduling Algorithm for Input-Queued Switches. , 2011, , .		7
56	Enhanced Variable Power Broadcasting Based on Local Information in Mobile Ad Hoc Networks. , 2010, , .		1
57	On RTO timer implementation in TCP. , 2010, , .		1
58	On Detection Algorithms for Spurious Retransmissions in TCP. , 2010, , .		0
59	Optimization of resource allocation for the downlink of multiuser MISO-OFDM systems. , 2010, , .		2
60	Load-Balanced Optical Switch for High-Speed Router Design. Journal of Lightwave Technology, 2010, 28, 1969-1977.	2.7	6
61	ILP Formulations for p-Cycle Design Without Candidate Cycle Enumeration. IEEE/ACM Transactions on Networking, 2010, 18, 284-295.	2.6	53
62	Feedback-Based Scheduling for Load-Balanced Two-Stage Switches. IEEE/ACM Transactions on Networking, 2010, 18, 1077-1090.	2.6	34
63	Interface Placement in Constructing Widest Spanning Tree for Multi-Channel Multi-Interface Wireless Mesh Networks. , 2009, , .		5
64	Multicast scheduling in feedback-based two-stage switch. , 2009, , .		4
65	J-CAR: An efficient joint channel assignment and routing protocol for IEEE 802.11-based multi-channel multi-interface mobile Ad Hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 1706-1715.	6.1	53
66	Self-Pruning Broadcasting for Mobile Ad Hoc Networks. , 2009, , .		15
67	Monitoring Trail: On Fast Link Failure Localization in All-Optical WDM Mesh Networks. Journal of Lightwave Technology, 2009, 27, 4175-4185.	2.7	71
68	Minimum Delay Scheduling for Performance Guaranteed Switches With Optical Fabrics. Journal of Lightwave Technology, 2009, 27, 3453-3465.	2.7	18
69	Throughput-Optimized Opportunistic Scheduling for Rate-Guaranteed and Best-Effort Users in Wireless Networks. , 2009, , .		0
70	Minimizing Internal Speedup for Performance Guaranteed Switches With Optical Fabrics. IEEE/ACM Transactions on Networking, 2009, 17, 632-645.	2.6	28
71	ILP-based design of survivable broadcast trees. , 2009, , .		0
72	On joint sequence design for feedback-based two-stage switch architecture. , 2008, , .		4

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73	Maximizing Broadcast Load in Multi-Channel Multi-Interface Wireless Mesh Networks. , 2008, , .		5
74	Monitoring Trail: A New Paradigm for Fast Link Failure Localization in WDM Mesh Networks. , 2008, , .		16
75	Widest Spanning Tree for Multi-Channel Multi-Interface Wireless Mesh Networks. , 2008, , .		11
76	Achieving 100% throughput in two-stage switch with feedback. , 2008, , .		0
77	On Performance Modeling of TCP New-Reno. , 2007, , .		4
78	ILP Formulation for p-Cycle Construction Based on Flow Conservation. , 2007, , .		11
79	On Optimization of Joint Channel Assignment and Routing in Mobile Ad Hoc Networks. , 2007, , .		4
80	Load Balanced Two-Stage Switches Using Arrayed Waveguide Grating Routers. , 2007, , .		2
81	OPN03-5: Light-Trail Assignment in WDM Optical Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	14
82	NXG05-6: Minimum Delay Scheduling in Scalable Hybrid Electronic/Optical Packet Switches. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	13
83	NXG07-4: On Minimizing Feedback Overhead for Two-stage Switches. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
84	OPN07-5: M^{2}-CYCLE: an Optical Layer Algorithm for Fast Link Failure Detection in All-Optical Mesh Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
85	NXG06-4: Improving Scheduling Efficiency for High-Speed Routers with Optical Switch Fabrics. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	5
86	BGP Ingress-to-Egress Route Configuration in a Capacity-constrained AS. , 0, , .		0
87	Fast-response Receiver-driven Layered Multicast with Multiple Servers. , 0, , .		3