Choong Seon Hong

List of Publications by Citations

566 papers	7,362 citations	39 h-index	64 g-index
684 ext. papers	9,860 ext. citations	3.5 avg, IF	6.95 L-index

#	Paper	IF	Citations
566	Caching in the Sky: Proactive Deployment of Cache-Enabled Unmanned Aerial Vehicles for Optimized Quality-of-Experience. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 1046-1061	14.2	483
565	Federated Learning over Wireless Networks: Optimization Model Design and Analysis **2019**,		268
564	Security in wireless sensor networks: issues and challenges **2006**,		192
563	Internet of things forensics: Recent advances, taxonomy, requirements, and open challenges. *Future Generation Computer Systems*, **2019**, 92, 265-275	7.5	134
562	. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1935-1949	9.6	121
561	Edge-Computing-Enabled Smart Cities: A Comprehensive Survey. *IEEE Internet of Things Journal*, **2020**, 7, 10200-10232	10.7	104
560	Traffic-Aware and Energy-Efficient vNF Placement for Service Chaining: Joint Sampling and Matching Approach. *IEEE Transactions on Services Computing*, **2020**, 13, 172-185	4.8	99
559	Data-centric multiobjective QoS-aware routing protocol for body sensor networks. *Sensors*, **2011**, 11, 917-37	3.8	98
558	eMBB-URLLC Resource Slicing: A Risk-Sensitive Approach. *IEEE Communications Letters*, **2019**, 23, 740-743	3.8	93
557	Federated Learning for Edge Networks: Resource Optimization and Incentive Mechanism. *IEEE Communications Magazine*, **2020**, 58, 88-93	9.1	93
556	Game Theory for Cyber Security and Privacy. *ACM Computing Surveys*, **2017**, 50, 1-37	13.4	92
555	Joint Communication, Computation, Caching, and Control in Big Data Multi-Access Edge Computing. *IEEE Transactions on Mobile Computing*, **2020**, 19, 1359-1374	4.6	88
554	Mode Selection and Resource Allocation in Device-to-Device Communications: A Matching Game Approach. *IEEE Transactions on Mobile Computing*, **2017**, 16, 3126-3141	4.6	87
553	Decentralized Computation Offloading and Resource Allocation for Mobile-Edge Computing: A Matching Game Approach. *IEEE Access*, **2018**, 6, 75868-75885	3.5	77
552	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. *IEEE Access*, **2020**, 8, 147029-147044	3.5	76
551	A Crowdsourcing Framework for On-Device Federated Learning. *IEEE Transactions on Wireless Communications*, **2020**, 19, 3241-3256	9.6	75
550	Ultra-Reliable and Low Latency Communication in mmWave-Enabled Massive MIMO Networks. *IEEE Communications Letters*, **2017**, 21, 2041-2044	3.8	70

549	Resource Allocation for Ultra-Reliable and Enhanced Mobile Broadband IoT Applications in Fog Network. *IEEE Transactions on Communications*, **2019**, 67, 489-502	6.9	70
548	Federated Learning for Internet of Things: Recent Advances, Taxonomy, and Open Challenges. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 1759-1799	37.1	67
547	Federated Learning Over Wireless Networks: Convergence Analysis and Resource Allocation. *IEEE/ACM Transactions on Networking*, **2021**, 29, 398-409	3.8	60
546	A proximal algorithm for joint resource allocation and minimizing carbon footprint in geo-distributed fog computing **2015**,		57
545	Autonomous Driving Cars in Smart Cities: Recent Advances, Requirements, and Challenges. *IEEE Network*, **2020**, 34, 174-181	11.4	57
544	An Efficient Time Slot Acquisition on the Hybrid TDMA/CSMA Multichannel MAC in VANETs. *IEEE Communications Letters*, **2016**, 20, 970-973	3.8	55
543	Network Slicing: Recent Advances, Taxonomy, Requirements, and Open Research Challenges. *IEEE Access*, **2020**, 8, 36009-36028	3.5	52
542	Multi-agent and reinforcement learning based code offloading in mobile fog **2016**,		51
541	Coordinated Device-to-Device Communication With Non-Orthogonal Multiple Access in Future Wireless Cellular Networks. *IEEE Access*, **2018**, 6, 39860-39875	3.5	51
540	An Efficient and Reliable MAC in VANETs. *IEEE Communications Letters*, **2014**, 18, 616-619	3.8	46
539	QoE-Driven Channel Allocation and Handoff Management for Seamless Multimedia in Cognitive 5G Cellular Networks. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 6569-6585	6.8	46
538	Offloading in HetNet: A Coordination of Interference Mitigation, User Association, and Resource Allocation. *IEEE Transactions on Mobile Computing*, **2017**, 16, 2276-2291	4.6	46
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536	Blockchain for IoT-based smart cities: Recent advances, requirements, and future challenges. *Journal of Network and Computer Applications*, **2021**, 181, 103007	7.9	44
535	Deep Learning Based Caching for Self-Driving Cars in Multi-Access Edge Computing. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 2862-2877	6.1	44
534	A Lightweight NEMO Protocol to Support 6LoWPAN. *ETRI Journal*, **2008**, 30, 685-695	1.4	43
533	QoE-Enabled Unlicensed Spectrum Sharing in 5G: A Game-Theoretic Approach. *IEEE Access*, **2018**, 6, 50538-50554	3.5	43
532	FLchain: Federated Learning via MEC-enabled Blockchain Network **2019**,		42

513	An Architecture of IoT Service Delegation and Resource Allocation Based on Collaboration between Fog and Cloud Computing. *Mobile Information Systems*, **2016**, 2016, 1-15	1.4	32
512	SERP: secure energy-efficient routing protocol for densely deployed wireless sensor networks. *Annales Des Telecommunications/Annals of Telecommunications*, **2008**, 63, 529-541	2	31
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510	A Fog based system model for cooperative IoT node pairing using matching theory **2015**,		30
509	Multi-Constrained QoS Geographic Routing for Heterogeneous Traffic in Sensor Networks. *IEICE Transactions on Communications*, **2008**, E91-B, 2589-2601	0.5	30
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507	An intelligent approach for virtual machine and QoS provisioning in cloud computing **2013**,		29
506	. *IEEE Transactions on Consumer Electronics*, **2008**, 54, 179-185	4.8	29
505	Energy-Efficient Resource Management in UAV-Assisted Mobile Edge Computing. *IEEE Communications Letters*, **2021**, 25, 249-253	3.8	29
504	Dynamic Resource Allocation for Optimized Latency and Reliability in Vehicular Networks. *IEEE Access*, **2018**, 6, 63843-63858	3.5	29
503	A 6LoWPAN Sensor Node Mobility Scheme Based on Proxy Mobile IPv6. *IEEE Transactions on Mobile Computing*, **2012**, 11, 2060-2072	4.6	28
502	Coexistence Mechanism Between eMBB and uRLLC in 5G Wireless Networks. *IEEE Transactions on Communications*, **2021**, 69, 1736-1749	6.9	27
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500	Dynamics of service selection and provider pricing game in heterogeneous cloud market. *Journal of Network and Computer Applications*, **2016**, 69, 152-165	7.9	25
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465	Digital-Twin-Enabled 6G: Vision, Architectural Trends, and Future Directions. *IEEE Communications Magazine*, **2022**, 60, 74-80	9.1	19
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444	Mobile charger billing system using lightweight Blockchain **2017**,		16
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436	Hop-by-Hop Traceback in Wireless Sensor Networks. *IEEE Communications Letters*, **2012**, 16, 242-245	3.8	15
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421	In-Network Caching for Paid Contents in Content Centric Networking **2017**,		13
420	Multipath Congestion Control for Heterogeneous Traffic in Wireless Sensor Network. *International Conference on Advanced Communication Technology*, **2008**,		13
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373	Intelligent service fulfillment for software defined networks in smart city **2018**,		9
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352	A mechanism for building Ad-hoc social network based on user's interest **2011**,		8

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