

# Kwok-Yan Lam

## List of Publications by Year in descending order

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99  
papers

2,438  
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304701  
22  
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243610  
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all docs

99  
docs citations

99  
times ranked

2020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Privacy-Preserving Aggregation in Federated Learning: A Survey. IEEE Transactions on Big Data, 2024, , 1-20.	6.1	16
2	Asymmetric Modality Translation for Face Presentation Attack Detection. IEEE Transactions on Multimedia, 2023, 25, 62-76.	7.2	7
3	Efficient Dropout-Resilient Aggregation for Privacy-Preserving Machine Learning. IEEE Transactions on Information Forensics and Security, 2023, 18, 1839-1854.	6.9	22
4	BitAnalysis: A Visualization System for Bitcoin Wallet Investigation. IEEE Transactions on Big Data, 2023, 9, 621-636.	6.1	3
5	ANT-Centric IoT Security Reference Architecture—Security-by-Design for Satellite-Enabled Smart Cities. IEEE Internet of Things Journal, 2022, 9, 5895-5908.	8.7	32
6	ZkRep: A Privacy-Preserving Scheme for Reputation-Based Blockchain System. IEEE Internet of Things Journal, 2022, 9, 4330-4342.	8.7	8
7	Conditional Anonymous Authentication With Abuse-Resistant Tracing and Distributed Trust for Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 8749-8762.	8.7	7
8	Secure Hot Path Crowdsourcing With Local Differential Privacy Under Fog Computing Architecture. IEEE Transactions on Services Computing, 2022, 15, 2188-2201.	4.6	9
9	Distributed Deep Reinforcement Learning-Based Spectrum and Power Allocation for Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2022, 21, 6935-6948.	9.2	21
10	Dynamic Spectrum Access for Internet-of-Things Based on Federated Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 7952-7956.	6.3	6
11	One-Class Knowledge Distillation for Face Presentation Attack Detection. IEEE Transactions on Information Forensics and Security, 2022, 17, 2137-2150.	6.9	12
12	Database Watermarking Algorithm Based on Decision Tree Shift Correction. IEEE Internet of Things Journal, 2022, 9, 24373-24387.	8.7	1
13	$\epsilon$ -Means Clustering With Local $\epsilon$ -Privacy for Privacy-Preserving Data Analysis. IEEE Transactions on Information Forensics and Security, 2022, 17, 2524-2537.	6.9	8
14	Autonomous Vehicle: Security by Design. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7015-7029.	8.0	61
15	Privacy Preserving Location-Aware Personalized Web Service Recommendations. IEEE Transactions on Services Computing, 2021, 14, 791-804.	4.6	38
16	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. IEEE Internet of Things Journal, 2021, 8, 4157-4185.	8.7	213
17	Local Differential Privacy for data collection and analysis. Neurocomputing, 2021, 426, 114-133.	5.9	11
18	Reconfigurable Intelligent Surface Aided Power Control for Physical-Layer Broadcasting. IEEE Transactions on Communications, 2021, 69, 7821-7836.	7.8	14

#	ARTICLE	IF	CITATIONS
19	A Survey of 6G Wireless Communications: Emerging Technologies. Advances in Intelligent Systems and Computing, 2021, , 150-170.	0.6	23
20	Agent-Based Spectrum Management Scheme in Satellite Communication Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 2877-2881.	6.3	5
21	Federated-Learning-Empowered Collaborative Data Sharing for Vehicular Edge Networks. IEEE Network, 2021, 35, 116-124.	6.9	36
22	A Blockchain-Based Approach for Saving and Tracking Differential-Privacy Cost. IEEE Internet of Things Journal, 2021, 8, 8865-8882.	8.7	12
23	An Improved Vulnerability Exploitation Prediction Model with Novel Cost Function and Custom Trained Word Vector Embedding. Sensors, 2021, 21, 4220.	3.8	5
24	Local Differential Privacy-Based Federated Learning for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 8836-8853.	8.7	159
25	Privacy-Preserving Federated Learning for UAV-Enabled Networks: Learning-Based Joint Scheduling and Resource Management. IEEE Journal on Selected Areas in Communications, 2021, 39, 3144-3159.	14.0	102
26	Blockchain for Future Smart Grid: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 18-43.	8.7	286
27	Privacy-Enhanced Federated Learning with Weighted Aggregation. Communications in Computer and Information Science, 2021, , 93-109.	0.5	7
28	Spectrum Optimization for Satellite Communication Systems With Heterogeneous User Preferences. IEEE Systems Journal, 2020, 14, 2187-2191.	4.6	12
29	Privacy-Preserving User Profile Matching in Social Networks. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1572-1585.	5.7	17
30	Blockchain-based mechanism for fine-grained authorization in data crowdsourcing. Future Generation Computer Systems, 2020, 106, 121-134.	7.5	28
31	Spectral Efficiency Enhancement in Satellite Mobile Communications: A Game-Theoretical Approach. IEEE Wireless Communications, 2020, 27, 200-205.	9.0	11
32	Advances and Emerging Challenges in Cognitive Internet-of-Things. IEEE Transactions on Industrial Informatics, 2020, 16, 5489-5496.	11.3	61
33	Resource Allocation in Satellite-Based Internet of Things Using Pattern Search Method. IEEE Access, 2020, 8, 110908-110914.	4.2	7
34	Unseen Face Presentation Attack Detection with Hypersphere Loss. , 2020, , .		9
35	Resource Optimization in Satellite-Based Internet of Things. , 2020, , .		4
36	Deep Reinforcement Learning Based Intelligent Reflecting Surface for Secure Wireless Communications. , 2020, , .		7

#	ARTICLE	IF	CITATIONS
37	New Threats Against Object Detector with Non-local Block. Lecture Notes in Computer Science, 2020, , 481-497.	1.3	1
38	An Analysis of Blockchain Consistency in Asynchronous Networks: Deriving a Neat Bound. , 2020, , .		10
39	Spectrum pricing for cognitive radio networks with user's stochastic distribution. Wireless Networks, 2019, 25, 2091-2099.	3.0	4
40	A New Blind ECDSA Scheme for Bitcoin Transaction Anonymity. , 2019, , .		20
41	Trading-Based Dynamic Spectrum Access and Allocation in Cognitive Internet of Things. IEEE Access, 2019, 7, 125952-125959.	4.2	17
42	BitVis: An Interactive Visualization System for Bitcoin Accounts Analysis. , 2019, , .		12
43	Energy Efficiency Optimization for NOMA-Based Cognitive Radio With Energy Harvesting. IEEE Access, 2019, 7, 139172-139180.	4.2	36
44	Improving Spectrum Management for Satellite Communication Systems With Hunger Marketing. IEEE Wireless Communications Letters, 2019, 8, 797-800.	5.0	14
45	Using Blockchain to Control Access to Cloud Data. Lecture Notes in Computer Science, 2019, , 274-288.	1.3	2
46	Efficient threshold password-authenticated secret sharing protocols for cloud computing. Journal of Parallel and Distributed Computing, 2019, 128, 57-70.	4.1	5
47	Adaptive Differentially Private Data Stream Publishing in Spatio-temporal Monitoring of IoT. , 2019, , .		3
48	Attacking Object Detectors Without Changing the Target Object. Lecture Notes in Computer Science, 2019, , 3-15.	1.3	2
49	Spectrum Optimization for Cognitive Satellite Communications With Cournot Game Model. IEEE Access, 2018, 6, 1624-1634.	4.2	17
50	Spectrum Allocation With Asymmetric Monopoly Model for Multibeam-Based Cognitive Satellite Networks. IEEE Access, 2018, 6, 9713-9722.	4.2	20
51	Wireless Communication and Security Issues for Cyber-Physical Systems and the Internet-of-Things. Proceedings of the IEEE, 2018, 106, 38-60.	21.3	184
52	A Blockchain Framework for Insurance Processes. , 2018, , .		97
53	Dynamic Spectrum Access Networks With Heterogeneous Users: How to Price the Spectrum?. IEEE Transactions on Vehicular Technology, 2018, 67, 5203-5216.	6.3	18
54	Joint Pricing and Power Allocation for Multibeam Satellite Systems With Dynamic Game Model. IEEE Transactions on Vehicular Technology, 2018, 67, 2398-2408.	6.3	73

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55	Power allocation in cognitive radio networks over Rayleigh-fading channels with hybrid intelligent algorithms. <i>Wireless Networks</i> , 2018, 24, 2397-2407.	3.0	4
56	Secure and Lightweight Compressive Sensing Using Stream Cipher. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018, 65, 371-375.	3.0	20
57	BLIC: A Blockchain Protocol for Manufacturing and Supply Chain Management of ICS. , 2018, , .		8
58	Behavior-Interior-Aware User Preference Analysis Based on Social Networks. <i>Complexity</i> , 2018, 2018, 1-18.	1.6	2
59	CoLPUF : A Novel Configurable LFSR-based PUF. , 2018, , .		12
60	From the Perspective of CNN to Adversarial Iris Images. , 2018, , .		1
61	Privacy Preserving User Based Web Service Recommendations. <i>IEEE Access</i> , 2018, 6, 56647-56657.	4.2	17
62	Q-Learning-Based Dynamic Spectrum Access in Cognitive Industrial Internet of Things. <i>Mobile Networks and Applications</i> , 2018, 23, 1636-1644.	3.3	24
63	Spectrum Trading for Satellite Communication Systems with Dynamic Bargaining. <i>IEEE Transactions on Communications</i> , 2018, , 1-1.	7.8	23
64	Caching Efficiency Enhancement at Wireless Edges with Concerns on User's Quality of Experience. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-10.	1.2	3
65	Efficient and Lightweight Quantized Compressive Sensing using $\hat{1}/4$ -Law. , 2018, , .		1
66	A Comparative Study of Transactional and Semantic Approaches for Predicting Cascades on Twitter. , 2018, , .		5
67	Security of autonomous vehicle as a cyber-physical system. , 2017, , .		20
68	Survey of secure processors. , 2017, , .		9
69	Energy-Efficient Key Distribution Using Electrocardiograph Biometric Set for Secure Communications in Wireless Body Healthcare Networks. <i>Journal of Medical Systems</i> , 2011, 35, 745-753.	3.6	4
70	Self-healing key management service for Mobile Ad hoc Networks. , 2009, , .		6
71	Self-initialized Distributed Certificate Authority for Mobile Ad Hoc Network. <i>Lecture Notes in Computer Science</i> , 2009, , 392-401.	1.3	6
72	An ID-based multisignature scheme without reblocking and predetermined signing order. <i>Computer Standards and Interfaces</i> , 2005, 27, 407-413.	5.4	6

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73	Efficient vector quantization using genetic algorithm. Neural Computing and Applications, 2005, 14, 203-211.	5.6	24
74	On identification secret sharing schemes. Information and Computation, 2003, 184, 298-310.	0.7	10
75	Lightweight security for mobile commerce transactions. Computer Communications, 2003, 26, 2052-2060.	5.1	27
76	Security middleware for enhancing interoperability of Public Key Infrastructure. Computers and Security, 2003, 22, 535-546.	6.0	3
77	Decomposing Attacks on Asymmetric Cryptography Based on Mapping Compositions. Journal of Cryptology, 2001, 14, 137-150.	2.8	10
78	The Weight Distribution of $C_5(1, n)$ . Designs, Codes, and Cryptography, 2001, 24, 181-191.	1.6	2
79	Duadic sequences of prime lengths. Discrete Mathematics, 2000, 218, 33-49.	0.7	4
80	Constructions of authentication codes from algebraic curves over finite fields. IEEE Transactions on Information Theory, 2000, 46, 886-892.	2.4	20
81	A fast algorithm for determining the linear complexity of a sequence with period $p/\sup n/$ over $GF(q)$ . IEEE Transactions on Information Theory, 2000, 46, 2203-2206.	2.4	50
82	Construction and Enumeration of All Binary Duadic Codes of Length $pm$ . Fundamenta Informaticae, 1999, 38, 149-161.	0.4	9
83	Constructions of algebraic-geometry codes. IEEE Transactions on Information Theory, 1999, 45, 1186-1193.	2.4	20
84	Sequences with almost perfect linear complexity profiles and curves over finite fields. IEEE Transactions on Information Theory, 1999, 45, 1267-1270.	2.4	26
85	A generalization of algebraic-geometry codes. IEEE Transactions on Information Theory, 1999, 45, 2498-2501.	2.4	39
86	Several classes of binary sequences with three-level autocorrelation. IEEE Transactions on Information Theory, 1999, 45, 2606-2612.	2.4	100
87	Constructions of Sequences with Almost Perfect Linear Complexity Profile from Curves over Finite Fields. Finite Fields and Their Applications, 1999, 5, 301-313.	1.0	11
88	A New Construction of Algebraic Geometry Codes. Applicable Algebra in Engineering, Communications and Computing, 1999, 9, 373-381.	0.5	25
89	On the efficient implementation of fair non-repudiation. Computer Communication Review, 1998, 28, 50-60.	1.8	15
90	An optimized protocol for mobile network authentication and security. Mobile Computing and Communications Review, 1998, 2, 37-39.	1.7	12

#	ARTICLE	IF	CITATIONS
91	Hash function based on block cipher. Electronics Letters, 1997, 33, 1938.	1.0	13
92	Global optimisation in neural network training. Neural Computing and Applications, 1997, 5, 58-64.	5.6	8
93	Implementing a highly available network directory service. Journal of Systems and Software, 1997, 37, 41-47.	4.5	0
94	A data reduction method for intrusion detection. Journal of Systems and Software, 1996, 33, 101-108.	4.5	12
95	Designing a system infrastructure for distributed programs. Computer Communications, 1996, 19, 754-762.	5.1	0
96	Efficient nearer-ancestor algorithm for network routing. Computer Communications, 1996, 19, 1014-1019.	5.1	0
97	Replay tolerance of authentication protocols. Computer Communications, 1995, 18, 988-992.	5.1	2
98	Multivariate data analysis software for enhancing system security. Journal of Systems and Software, 1995, 31, 267-275.	4.5	10
99	Spectrum optimization in cognitive satellite networks with graph coloring method. Wireless Networks, 0, , 1.	3.0	0