

# Xiaohu Tang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6194524/publications.pdf>

Version: 2024-02-01

88  
papers

1,517  
citations

361413

20  
h-index

361022

35  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Achieving Efficient and Privacy-Preserving Cross-Domain Big Data Deduplication in Cloud. IEEE Transactions on Big Data, 2022, 8, 73-84.	6.1	32
2	Achieving Efficient Secure Deduplication With User-Defined Access Control in Cloud. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 591-606.	5.4	29
3	A Construction of Maximally Recoverable Codes With Order-Optimal Field Size. IEEE Transactions on Information Theory, 2022, 68, 204-212.	2.4	17
4	A Generic Transformation to Generate MDS Array Codes With $\hat{t}$ -Optimal Access Property. IEEE Transactions on Communications, 2022, 70, 759-768.	7.8	5
5	A Generic Transformation for Optimal Node Repair in MDS Array Codes Over $F_{2^k}$ . IEEE Transactions on Communications, 2022, 70, 727-738.	7.8	6
6	Adaptive Gradient Coding. IEEE/ACM Transactions on Networking, 2022, 30, 717-734.	3.8	6
7	Multi-User Blind Symmetric Private Information Retrieval From Coded Servers. IEEE Journal on Selected Areas in Communications, 2022, 40, 815-831.	14.0	3
8	Symmetric Private Polynomial Computation From Lagrange Encoding. IEEE Transactions on Information Theory, 2022, 68, 2704-2718.	2.4	4
9	Low Ambiguity Zone: Theoretical Bounds and Doppler-Resilient Sequence Design in Integrated Sensing and Communication Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 1809-1822.	14.0	11
10	Optimal Locally Repairable Codes: An Improved Bound and Constructions. IEEE Transactions on Information Theory, 2022, 68, 5060-5074.	2.4	6
11	A Subfield-Based Construction of Optimal Linear Codes Over Finite Fields. IEEE Transactions on Information Theory, 2022, 68, 4408-4421.	2.4	5
12	Layered Bit-Flipping Algorithms for Decoding LDPC Codes. , 2022, , .		1
13	Achieving Efficient and Privacy-Preserving Multi-Domain Big Data Deduplication in Cloud. IEEE Transactions on Services Computing, 2021, 14, 1292-1305.	4.6	20
14	A Systematic Construction of MDS Codes With Small Sub-Packetization Level and Near-Optimal Repair Bandwidth. IEEE Transactions on Information Theory, 2021, 67, 2162-2180.	2.4	9
15	Improved Constructions for Secure Multi-Party Batch Matrix Multiplication. IEEE Transactions on Communications, 2021, 69, 7673-7690.	7.8	14
16	Linear Coded Caching Scheme for Centralized Networks. IEEE Transactions on Information Theory, 2021, 67, 1732-1742.	2.4	12
17	Secure Batch Matrix Multiplication From Grouping Lagrange Encoding. IEEE Communications Letters, 2021, 25, 1119-1123.	4.1	13
18	Explicit Construction of $(k+r, k)$ MDS Code with Small Sub-packetization level and Optimal Access Property for All Nodes. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	An Improved Bound for Optimal Locally Repairable Codes. , 2021, , .		1
20	Capacity-Achieving Private Information Retrieval Schemes From Uncoded Storage Constrained Servers With Low Sub-Packetization. IEEE Transactions on Information Theory, 2021, 67, 5370-5386.	2.4	3
21	NOMA for Wireless-Powered Communication Networks With Buffered Sources. IEEE Transactions on Vehicular Technology, 2021, 70, 9088-9102.	6.3	2
22	Achieve efficient position-heap-based privacy-preserving substring-of-keyword query over cloud. Computers and Security, 2021, 110, 102432.	6.0	1
23	Reconfigurable Intelligent Surface Assisted Spatial Modulation for Symbiotic Radio. IEEE Transactions on Vehicular Technology, 2021, 70, 12918-12931.	6.3	21
24	Parity Check Matrix Partitioning for Layered Decoding of QC-LDPC Codes. , 2021, , .		1
25	Reliable Coded Caching Design Over Wireless Networks. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 1224-1239.	2.5	0
26	A New Capacity-Achieving Private Information Retrieval Scheme With (Almost) Optimal File Length for Coded Servers. IEEE Transactions on Information Forensics and Security, 2020, 15, 1248-1260.	6.9	21
27	On Optimal Locally Repairable Codes With Multiple Disjoint Repair Sets. IEEE Transactions on Information Theory, 2020, 66, 2402-2416.	2.4	17
28	Decentralized Coded Caching Scheme With Heterogeneous File Sizes. IEEE Transactions on Vehicular Technology, 2020, 69, 818-827.	6.3	11
29	SDCN: Sparsity and Diversity Driven Correlation Networks for Traffic Demand Forecasting. , 2020, , .		1
30	A Fundamental Storage-Communication Tradeoff for Distributed Computing With Straggling Nodes. IEEE Transactions on Communications, 2020, 68, 7311-7327.	7.8	10
31	On Optimal Locally Repairable Codes With Super-Linear Length. IEEE Transactions on Information Theory, 2020, 66, 4853-4868.	2.4	35
32	Some Variant of Known Coded Caching Schemes With Good Performance. IEEE Transactions on Communications, 2020, 68, 1370-1377.	7.8	30
33	On Optimal Locally Repairable Codes with Super-Linear Length. , 2019, , .		2
34	Delivery Design for Coded Caching Over Wireless Multicast Networks. IEEE Access, 2019, 7, 72803-72817.	4.2	2
35	Placement Delivery Array Design for Coded Caching Scheme in D2D Networks. IEEE Transactions on Communications, 2019, 67, 3388-3395.	7.8	19
36	Optimal Power Allocation for Wireless Sensor Powered by Dedicated RF Energy Source. IEEE Transactions on Vehicular Technology, 2019, 68, 2791-2801.	6.3	30

#	ARTICLE	IF	CITATIONS
37	Reducing Search Complexity of Coded Caching by Shrinking Search Space. IEEE Communications Letters, 2019, 23, 568-571.	4.1	2
38	Constructions of Coded Caching Schemes With Flexible Memory Size. IEEE Transactions on Communications, 2019, 67, 4166-4176.	7.8	41
39	Deep Learning Based Modified Message Passing Algorithm for Sparse Code Multiple Access. , 2019, , .		5
40	An Efficient One-to-One Piggybacking Design for Distributed Storage Systems. IEEE Transactions on Communications, 2019, 67, 8193-8205.	7.8	8
41	Achieving Efficient and Privacy-Preserving Multi-Keyword Conjunctive Query Over Cloud. IEEE Access, 2019, 7, 165862-165872.	4.2	5
42	An Efficient and Privacy-Preserving Disease Risk Prediction Scheme for E-Healthcare. IEEE Internet of Things Journal, 2019, 6, 3284-3297.	8.7	29
43	An Efficient Optimal Algorithm for the Successive Minima Problem. IEEE Transactions on Communications, 2019, 67, 1424-1436.	7.8	9
44	Optimal Locally Repairable Systematic Codes Based on Packings. IEEE Transactions on Communications, 2019, 67, 39-49.	7.8	12
45	Generic Construction of Binary Sequences of Period $2N$ With Optimal Odd Correlation Magnitude Based on Quaternary Sequences of Odd Period $N$ . IEEE Transactions on Information Theory, 2018, 64, 384-392.	2.4	9
46	Adaptive Buffer-Aided Wireless Powered Relay Communication With Energy Storage. IEEE Transactions on Green Communications and Networking, 2018, 2, 432-445.	5.5	17
47	SMDP-Based Coordinated Virtual Machine Allocations in Cloud-Fog Computing Systems. IEEE Internet of Things Journal, 2018, 5, 1977-1988.	8.7	59
48	A Time- and Energy-Aware Collision Tree Protocol for Efficient Large-Scale RFID Tag Identification. IEEE Transactions on Industrial Informatics, 2018, 14, 2406-2417.	11.3	41
49	Placement Delivery Array Design Through Strong Edge Coloring of Bipartite Graphs. IEEE Communications Letters, 2018, 22, 236-239.	4.1	83
50	An Efficient Bit-Detecting Protocol for Continuous Tag Recognition in Mobile RFID Systems. IEEE Transactions on Mobile Computing, 2018, 17, 503-516.	5.8	49
51	A More Efficient Conditional Private Preservation Scheme in Vehicular Ad Hoc Networks. Applied Sciences (Switzerland), 2018, 8, 2546.	2.5	2
52	Placement Delivery Array and Its Applications. , 2018, , .		13
53	SMDP-Based Downlink Packet Scheduling Scheme for Solar Energy Assisted Heterogeneous Networks. , 2018, , .		0
54	Achievable Rate Region of the Buffer-Aided Two-Way Energy Harvesting Relay Network. IEEE Transactions on Vehicular Technology, 2018, 67, 11127-11142.	6.3	31

#	ARTICLE	IF	CITATIONS
55	Explicit Constructions of High-Rate MSR Codes with Optimal Access Property over Small Finite Fields. IEEE Transactions on Communications, 2018, , 1-1.	7.8	6
56	Enhanced Adaptive Network Coded Cooperation for Wireless Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 11988-12002.	6.3	8
57	A Generic Transformation to Enable Optimal Repair in MDS Codes for Distributed Storage Systems. IEEE Transactions on Information Theory, 2018, 64, 6257-6267.	2.4	45
58	Secure Communication Over Finite State Multiple-Access Wiretap Channel With Delayed Feedback. IEEE Journal on Selected Areas in Communications, 2018, 36, 723-736.	14.0	15
59	Relaying protocols for buffer-aided energy harvesting wireless cooperative networks. IET Networks, 2018, 7, 109-118.	1.8	24
60	Modified Sphere Decoding for Sparse Code Multiple Access. IEEE Communications Letters, 2018, 22, 1544-1547.	4.1	12
61	Online Coded Caching With Random Access. IEEE Communications Letters, 2017, 21, 552-555.	4.1	11
62	On the Placement Delivery Array Design for Centralized Coded Caching Scheme. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	159
63	An efficient optimal algorithm for integer-forcing linear MIMO receivers design. , 2017, , .		3
64	On the Buffer Energy Aware Adaptive Relaying in Multiple Relay Network. IEEE Transactions on Wireless Communications, 2017, 16, 6248-6263.	9.2	25
65	A Time-Efficient Pair-Wise Collision-Resolving Protocol for Missing Tag Identification. IEEE Transactions on Communications, 2017, 65, 5348-5361.	7.8	13
66	A generic transformation for optimal repair bandwidth and rebuilding access in MDS codes. , 2017, , .		34
67	Further Results on the Optimal Sequence Family $\mathcal{IP}_{\{8\}}$ Over 8-Ary Q-PAM Constellation. IEEE Transactions on Information Theory, 2017, 63, 7813-7820.	2.4	0
68	An Improved Algorithm for Testing the Membership of Gaussian Multiple-Access Channel Capacity Region. IEEE Communications Letters, 2016, 20, 2137-2140.	4.1	0
69	On the greedy coded caching scheme. , 2016, , .		0
70	Optimal Exact Repair Strategy for the Parity Nodes of the $(k+2,k)$ Zigzag Code. IEEE Transactions on Information Theory, 2016, 62, 4848-4856.	2.4	14
71	On the coded caching based wireless video transmission scheme. , 2016, , .		2
72	On the transmit power and delivery delay tradeoff in buffer-aided two-way relay networks. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
73	SFPM: A Secure and Fine-Grained Privacy-Preserving Matching Protocol for Mobile Social Networking. Big Data Research, 2016, 3, 2-9.	4.2	13
74	A Framework of Constructions of Minimal Storage Regenerating Codes With the Optimal Access/Update Property. IEEE Transactions on Information Theory, 2015, 61, 1920-1932.	2.4	45
75	A New Repair Strategy for the Hadamard Minimum Storage Regenerating Codes for Distributed Storage Systems. IEEE Transactions on Information Theory, 2015, 61, 5271-5279.	2.4	18
76	A Systematic Piggybacking Design for Minimum Storage Regenerating Codes. IEEE Transactions on Information Theory, 2015, 61, 5779-5786.	2.4	20
77	An Adaptive Anti-Collision Protocol for Large-Scale RFID Tag Identification. IEEE Wireless Communications Letters, 2014, 3, 601-604.	5.0	26
78	Group strategy for remaining tags in anti-collision algorithm for RFID system. , 2014, , .		0
79	Prefix-maximized query-tree anti-collision algorithm with robust estimation for RFID system. , 2014, , .		0
80	Wiretap Channel with Action-Dependent Channel State Information. Entropy, 2013, 15, 445-473.	2.2	13
81	An efficient tag anti-collision protocol for RFID systems. , 2012, , .		1
82	Generic Construction of Quaternary Sequences of Period $2N$ With Low Correlation From Quaternary Sequences of Odd Period $N$ . IEEE Transactions on Information Theory, 2011, 57, 2295-2300.	2.4	3
83	On the Correlation Distributions of the Optimal Quaternary Sequence Family $\mathcal{U}$ and the Optimal Binary Sequence Family $\mathcal{V}$ . IEEE Transactions on Information Theory, 2011, 57, 3815-3824.	2.4	4
84	New p-Ary Sequences with Low Correlation and Large Family Size. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2245-2250.	0.3	0
85	New Constructions of Binary Sequences With Optimal Autocorrelation Value/Magnitude. IEEE Transactions on Information Theory, 2010, 56, 1278-1286.	2.4	66
86	A New Set of Optimal Frequency-Hopping Sequences. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2332-2336.	0.3	3
87	A New Class of Sequences With Zero or Low Correlation Zone Based on Interleaving Technique. IEEE Transactions on Information Theory, 2008, 54, 4267-4273.	2.4	93
88	Trusted Computing-Based Security Architecture For 4G Mobile Networks. , 2005, , .		24