Shi-Chun Tsai

List of Publications by Year
in descending order

41 papers	**466** citations	840776 **11** h-index	752698 **20** g-index
41 all docs	**41** docs citations	**41** times ranked	**326** citing authors

#	Article	IF	Citations
1	Permutation Arrays Under the Chebyshev Distance. IEEE Transactions on Information Theory, 2010, 56, 2611-2617.	2.4	101
2	RL-Routing: An SDN Routing Algorithm Based on Deep Reinforcement Learning. IEEE Transactions on Network Science and Engineering, 2020, 7, 3185-3199.	6.4	64
3	Distance-preserving mappings from binary vectors to permutations. IEEE Transactions on Information Theory, 2003, 49, 1054-1059.	2.4	51
4	Decoding Frequency Permutation Arrays Under Chebyshev Distance. IEEE Transactions on Information Theory, 2010, 56, 5730-5737.	2.4	32
5	Detecting P2P Botnet in Software Defined Networks. Security and Communication Networks, 2018, 2018, 1-13.	1.5	21
6	Lower Bounds on Representing Boolean Functions as Polynomials in Z_m. SIAM Journal on Discrete Mathematics, 1996, 9, 55-62.	0.8	20
7	Extracting Randomness from Multiple Independent Sources. IEEE Transactions on Information Theory, 2005, 51, 2224-2227.	2.4	16
8	Detecting amplification attacks with Software Defined Networking. , 2017, , .		14
9	On the Jensen–Shannon Divergence and Variational Distance. IEEE Transactions on Information Theory, 2005, 51, 3333-3336.	2.4	13
10	Enhancing 5G/IoT Transport Security Through Content Permutation. IEEE Access, 2019, 7, 94293-94299.	4.2	13
11	JGAP: a Java-based graph algorithms platform. Software - Practice and Experience, 2001, 31, 615-635.	3.6	12
12	Key establishment schemes against storage-bounded adversaries in wireless sensor networks. IEEE Transactions on Wireless Communications, 2009, 8, 1218-1222.	9.2	12
13	On the inapproximability of maximum intersection problems. Information Processing Letters, 2012, 112, 723-727.	0.6	11
14	A Note on Iterating an $alpha$-ary Gray Code. SIAM Journal on Discrete Mathematics, 2001, 14, 237-239.	0.8	10
15	Computing the ball size of frequency permutations under chebyshev distance. , 2011, , .		9
16	Network security management with traffic pattern clustering. Soft Computing, 2014, 18, 1757-1770.	3.6	9
17	Efficient encoding and decoding with permutation arrays. , 2008, , .		8
18	Complexity of Hard-Core Set Proofs. Computational Complexity, 2011, 20, 145-171.	0.3	7

#	Article	IF	Citations
19	Exact solution of a minimal recurrence. Information Processing Letters, 2000, 75, 61-64.	0.6	5
20	On the Construction of Permutation Arrays via Mappings from Binary Vectors to Permutations. Designs, Codes, and Cryptography, 2006, 40, 139-155.	1.6	5
21	SDN Soft Computing Application for Detecting Heavy Hitters. IEEE Transactions on Industrial Informatics, 2019, 15, 5690-5699.	11.3	5
22	Simple Distance-Preserving Mappings From Ternary Vectors to Permutations. IEEE Transactions on Information Theory, 2008, 54, 3251-3256.	2.4	4
23	Computing the ball size of frequency permutations under Chebyshev distance. Linear Algebra and Its Applications, 2012, 437, 324-332.	0.9	4
24	Two results on the bit extraction problem. Discrete Applied Mathematics, 2000, 99, 443-454.	0.9	3
25	Forwarding path discovery with software defined networking. , 2017, , .		3
26	Dual-Stack Network Management Through One-Time Authentication Mechanism. IEEE Access, 2020, 8, 34706-34716.	4.2	3
27	Decoding frequency permutation arrays under infinite norm. , 2009, , .		2
28	Deploying WLAN service with OpenFlow technology. International Journal of Network Management, 2017, 27, e1970.	2.2	2
29	A Monte Carlo Method for Estimating the Extended All-Terminal Reliability. , 2008, , .		1
30	Decoding permutation arrays with ternary vectors. Designs, Codes, and Cryptography, 2011, 61, 1-9.	1.6	1
31	More on the one-dimensional sliding-coin puzzle. Discrete Applied Mathematics, 2014, 162, 32-41.	0.9	1
32	Efficient Exploration in Side-Scrolling Video Games with Trajectory Replay. The Computer Games Journal, 2020, 9, 263-280.	1.0	1
33	OAuth-Based Access Control Framework for IoT Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 208-219.	0.3	1
34	Efficient Detection of Link-Flooding Attacks with Deep Learning. Sustainability, 2021, 13, 12514.	3.2	1
35	Solving hard-exploration problems with counting and replay approach. Engineering Applications of Artificial Intelligence, 2022, 110, 104701.	8.1	1
36	A note on unscrambling address lines. Information Processing Letters, 2003, 85, 185-189.	0.6	0

#	Article	IF	Citations
37	Deterministic Extractors for Independent-Symbol Sources. IEEE Transactions on Information Theory, 2010, 56, 6501-6512.	2.4	0
38	On the minimum weight problem of permutation codes under Chebyshev distance. , 2010, , .		0
39	Extracting Computational Entropy and Learning Noisy Linear Functions. IEEE Transactions on Information Theory, 2011, 57, 5485-5496.	2.4	0
40	Inapproximability Results for the Weight Problems of Subgroup Permutation Codes. IEEE Transactions on Information Theory, 2012, 58, 6907-6915.	2.4	0
41	The complexity of comparing optimal solutions. Information Processing Letters, 2022, 177, 106266.	0.6	0