Kung-Jui Pai

List of Publications by Year
in descending order

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39 papers	416 citations	687363 13 h-index	839539 18 g-index
40 all docs	40 docs citations	40 times ranked	84 citing authors

#	Article	IF	Citations
1	Constructing two completely independent spanning trees in hypercube-variant networks. Theoretical Computer Science, 2016, 652, 28-37.	0.9	35
2	The 4-component connectivity of alternating group networks. Theoretical Computer Science, 2019, 766, 38-45.	0.9	32
3	Completely Independent Spanning Trees on Some Interconnection Networks. IEICE Transactions on Information and Systems, 2014, E97.D, 2514-2517.	0.7	26
4	Dual-CISTs: Configuring a Protection Routing on Some Cayley Networks. IEEE/ACM Transactions on Networking, 2019, 27, 1112-1123.	3.8	25
5	A protection routing with secure mechanism in MÃ¶bius cubes. Journal of Parallel and Distributed Computing, 2020, 140, 1-12.	4.1	24
6	Completely Independent Spanning Trees on BCCC Data Center Networks With an Application to Fault-Tolerant Routing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1939-1952.	5.6	24
7	Completely Independent Spanning Trees on Complete Graphs, Complete Bipartite Graphs and Complete Tripartite Graphs. Smart Innovation, Systems and Technologies, 2013, , 107-113.	0.6	20
8	A comment on â€œIndependent spanning trees in crossed cubesâ€• Information Processing Letters, 2014, 114, 734-739.	0.6	19
9	A two-stages tree-searching algorithm for finding three completely independent spanning trees. Theoretical Computer Science, 2019, 784, 65-74.	0.9	18
10	Amortized efficiency of constructing multiple independent spanning trees on bubble-sort networks. Journal of Combinatorial Optimization, 2019, 38, 972-986.	1.3	17
11	Three completely independent spanning trees of crossed cubes with application to secure-protection routing. Information Sciences, 2020, 541, 516-530.	6.9	17
12	Improving the diameters of completely independent spanning trees in locally twisted cubes. Information Processing Letters, 2019, 141, 22-24.	0.6	14
13	Completely Independent Spanning Trees on 4-Regular Chordal Rings. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 1932-1935.	0.3	14
14	A loopless algorithm for generating multiple binary tree sequences simultaneously. Theoretical Computer Science, 2014, 556, 25-33.	0.9	11
15	Vertex-transitivity on folded crossed cubes. Information Processing Letters, 2016, 116, 689-693.	0.6	11
16	Constructing dual-CISTs of pancake graphs and performance assessment of protection routings on some Cayley networks. Journal of Supercomputing, 2021, 77, 990-1014.	3.6	11
17	A note on path embedding in crossed cubes with faulty vertices. Information Processing Letters, 2017, 121, 34-38.	0.6	9
18	A well-equalized 3-CIST partition of alternating group graphs. Information Processing Letters, 2020, 155, 105874.	0.6	9

#	Article	IF	Citations
19	Constructing dual-CISTs of folded divide-and-swap cubes. Theoretical Computer Science, 2021, 856, 75-87.	0.9	9
20	Constructing Two Completely Independent Spanning Trees in Balanced Hypercubes. IEICE Transactions on Information and Systems, 2019, E102.D, 2409-2412.	0.7	9
21	Restricted power domination and fault-tolerant power domination on grids. Discrete Applied Mathematics, 2010, 158, 1079-1089.	0.9	8
22	Upper bounds on the queuenumber of k-ary n-cubes. Information Processing Letters, 2009, 110, 50-56.	0.6	6
23	Amortized efficiency of generation, ranking and unranking left-child sequences in lexicographic order. Discrete Applied Mathematics, 2019, 268, 223-236.	0.9	6
24	Comments on â€œA Hamilton sufficient condition for completely independent spanning treeâ€• Discrete Applied Mathematics, 2020, 283, 730-733.	0.9	6
25	Configuring Protection Routing via Completely Independent Spanning Trees in Dense Gaussian On-Chip Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 932-946.	6.4	6
26	A Note on â€œAn improved upper bound on the queuenumber of the hypercubeâ€• Information Processing Letters, 2008, 108, 107-109.	0.6	5
27	A new upper bound on the queuenumber of hypercubes. Discrete Mathematics, 2010, 310, 935-939.	0.7	5
28	Constructing dual-CISTs with short diameters using a generic adjustment scheme on bicubes. Theoretical Computer Science, 2021, 878-879, 102-112.	0.9	5
29	A Parallel Algorithm for Constructing Two Edge-Disjoint Hamiltonian Cycles in Crossed Cubes. Lecture Notes in Computer Science, 2020, , 448-455.	1.3	5
30	A Parallel Algorithm for Constructing Two Edge-disjoint Hamiltonian Cycles in Locally Twisted Cubes. , 2020, , .		4
31	Three Completely Independent Spanning Trees of Crossed Cubes with Application to Secure-Protection Routing. , 2019, , .		2
32	Constructing Three Completely Independent Spanning Trees in Locally Twisted Cubes. Lecture Notes in Computer Science, 2019, , 88-99.	1.3	2
33	Designing an Algorithm to Improve the Diameters of Completely Independent Spanning Trees in Crossed Cubes. Communications in Computer and Information Science, 2019, , 433-439.	0.5	1
34	Constructing tri-CISTs in shuffle-cubes. Journal of Combinatorial Optimization, 2022, 44, 3194-3211.	1.3	1
35	Folded crossed cube with five or more dimensions is not vertex-transitive. , 2015, , .		0
36	The Wide Diameters of Regular Hyper-Stars and Folded Hyper-Stars. Computer Journal, 2018, 61, 121-128.	2.4	0

#	Article	IF	Citations
37	Constructing Tri-CISTs in Shuffle-Cubes. Lecture Notes in Computer Science, 2021, , 330-342.	1.3	0
38	Queue Layouts of Toroidal Grids. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1180-1186.	0.3	0
39	Three Edge-Disjoint Hamiltonian Cycles in Crossed Cubes with Applications to Fault-Tolerant Data Broadcasting. , 2021, , .		0