

Rastislav KrÄ;loviÄ•

List of Publications by Year in descending order

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55
papers

700
citations

567281

15
h-index

580821

25
g-index

62
all docs

62
docs citations

62
times ranked

190
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Advice Complexity of Online Problems. Lecture Notes in Computer Science, 2009, , 331-340.	1.3	70
2	Information Complexity of Online Problems. Lecture Notes in Computer Science, 2010, , 24-36.	1.3	59
3	On time versus size for monotone dynamic monopolies in regular topologies. Journal of Discrete Algorithms, 2003, 1, 129-150.	0.7	55
4	Black hole search in common interconnection networks. Networks, 2006, 47, 61-71.	2.7	50
5	On the Advice Complexity of the k -Server Problem. Lecture Notes in Computer Science, 2011, , 207-218.	1.3	48
6	Measuring the problem-relevant information in input. RAIRO - Theoretical Informatics and Applications, 2009, 43, 585-613.	0.5	43
7	How Much Information about the Future Is Needed?. , 2008, , 247-258.		38
8	Online algorithms with advice: The tape model. Information and Computation, 2017, 254, 59-83.	0.7	22
9	Black Hole Search in Asynchronous Rings Using Tokens. Lecture Notes in Computer Science, 2006, , 139-150.	1.3	21
10	Online Graph Exploration with Advice. Lecture Notes in Computer Science, 2012, , 267-278.	1.3	21
11	Exploring an unknown dangerous graph using tokens. Theoretical Computer Science, 2013, 472, 28-45.	0.9	20
12	Black Hole Search in Directed Graphs. Lecture Notes in Computer Science, 2010, , 182-194.	1.3	20
13	Periodic Data Retrieval Problem in Rings Containing a Malicious Host. Lecture Notes in Computer Science, 2010, , 157-167.	1.3	18
14	Minimum feedback vertex sets in shuffle-based interconnection networks. Information Processing Letters, 2003, 86, 191-196.	0.6	16
15	On the advice complexity of the k -server problem. Journal of Computer and System Sciences, 2017, 86, 159-170.	1.2	16
16	Exploring an Unknown Graph to Locate a Black Hole Using Tokens. , 2006, , 131-150.		14
17	Treasure Hunt with Advice. Lecture Notes in Computer Science, 2015, , 328-341.	1.3	13
18	Sparse topologies with small spectrum size. Theoretical Computer Science, 2003, 307, 549-565.	0.9	10

#	ARTICLE	IF	CITATIONS
19	Antibandwidth and Cyclic Antibandwidth of Hamming Graphs. <i>Electronic Notes in Discrete Mathematics</i> , 2009, 34, 295-300.	0.4	10
20	Disjoint Path Allocation with Sublinear Advice. <i>Lecture Notes in Computer Science</i> , 2015, , 417-429.	1.3	10
21	On Majority Voting Games in Trees. <i>Lecture Notes in Computer Science</i> , 2001, , 282-291.	1.3	10
22	The complexity of shortest path and dilation bounded interval routing. <i>Theoretical Computer Science</i> , 2000, 234, 85-107.	0.9	9
23	Advice Complexity of Maximum Independent set in Sparse and Bipartite Graphs. <i>Theory of Computing Systems</i> , 2015, 56, 197-219.	1.1	8
24	Online Bandwidth Allocation. , 2007, , 546-557.		8
25	Eliminating graphs by means of parallel knock-out schemes. <i>Discrete Applied Mathematics</i> , 2007, 155, 92-102.	0.9	7
26	Antibandwidth and cyclic antibandwidth of Hamming graphs. <i>Discrete Applied Mathematics</i> , 2013, 161, 1402-1408.	0.9	6
27	Independent Set with Advice: The Impact of Graph Knowledge. <i>Lecture Notes in Computer Science</i> , 2013, , 2-15.	1.3	6
28	Local 7-Coloring for Planar Subgraphs of Unit Disk Graphs. <i>Lecture Notes in Computer Science</i> , 2008, , 170-181.	1.3	5
29	Local 7-coloring for planar subgraphs of unit disk graphs. <i>Theoretical Computer Science</i> , 2011, 412, 1696-1704.	0.9	4
30	DETERMINISM VS. NONDETERMINISM FOR TWO-WAY AUTOMATA: Representing the Meaning of States by Logical Formulas. <i>International Journal of Foundations of Computer Science</i> , 2013, 24, 955-978.	1.1	4
31	Improved analysis of the online set cover problem with advice. <i>Theoretical Computer Science</i> , 2017, 689, 96-107.	0.9	4
32	Online Graph Coloring Against a Randomized Adversary. <i>International Journal of Foundations of Computer Science</i> , 2018, 29, 551-569.	1.1	4
33	Efficient routing in carrier-based mobile networks. <i>Theoretical Computer Science</i> , 2013, 509, 113-121.	0.9	3
34	Routing in Carrier-Based Mobile Networks. <i>Lecture Notes in Computer Science</i> , 2011, , 222-233.	1.3	3
35	On Fractional Dynamic Faults with Threshold. <i>Lecture Notes in Computer Science</i> , 2006, , 197-211.	1.3	3
36	On Semi-perfect 1-Factorizations. <i>Lecture Notes in Computer Science</i> , 2005, , 216-230.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Ranks of graphs: The size of acyclic orientation cover for deadlock-free packet routing. Theoretical Computer Science, 2007, 374, 203-213.	0.9	2
38	Determinism and Nondeterminism in Finite Automata with Advice. Lecture Notes in Computer Science, 2018, , 3-16.	1.3	2
39	Rapid almost-complete broadcasting in faulty networks. Theoretical Computer Science, 2009, 410, 1377-1387.	0.9	1
40	A Linear-Time Algorithm for the Isometric Reconciliation of Unrooted Trees. Algorithms, 2020, 13, 225.	2.1	1
41	Interval Routing on Layered Cross Product of Trees and Cycles. Lecture Notes in Computer Science, 1999, , 1231-1239.	1.3	1
42	Scalable Sparse Topologies with Small Spectrum. Lecture Notes in Computer Science, 2001, , 218-229.	1.3	1
43	Determinism vs. Nondeterminism for Two-Way Automata. Lecture Notes in Computer Science, 2012, , 24-39.	1.3	1
44	The Complexity of Paging Against a Probabilistic Adversary. Lecture Notes in Computer Science, 2016, , 265-276.	1.3	1
45	On the Cost of Waking Up. International Journal of Networking and Computing, 2017, 7, 336-348.	0.4	1
46	Rapid Almost-Complete Broadcasting in Faulty Networks. , 2007, , 246-260.		1
47	Time optimal self-stabilizing algorithms. Lecture Notes in Computer Science, 1997, , 464-472.	1.3	0
48	On fractional dynamic faults with thresholds. Theoretical Computer Science, 2008, 399, 101-117.	0.9	0
49	On the Complexity of Distributed Wake-Up. , 2016, , .		0
50	Tight hierarchy of data-independent multi-head automata. Journal of Computer and System Sciences, 2020, 114, 126-136.	1.2	0
51	Two-Way Non-uniform Finite Automata. Lecture Notes in Computer Science, 2021, , 155-166.	1.3	0
52	Leader Election in Extremely Unreliable Rings and Complete Networks. Lecture Notes in Computer Science, 2008, , 512-526.	1.3	0
53	Edge-Editing to a Dense and a Sparse Graph Class. Lecture Notes in Computer Science, 2016, , 562-575.	1.3	0
54	Exploration of Time-Varying Connected Graphs with Silent Agents. Lecture Notes in Computer Science, 2020, , 146-162.	1.3	0

#	ARTICLE	IF	CITATIONS
55	Deterministic Models of Communication Faults. Lecture Notes in Computer Science, 2008, , 52-67.	1.3	0