

Janusz A Brzozowski

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,094
citations

759055

12
h-index

414303

32
g-index

43
all docs

43
docs citations

43
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Derivatives of Regular Expressions. Journal of the ACM, 1964, 11, 481-494.	1.8	688
2	IN SEARCH OF MOST COMPLEX REGULAR LANGUAGES. International Journal of Foundations of Computer Science, 2013, 24, 691-708.	0.8	40
3	Theory of Automata. Theoretical Computer Science, 2014, 539, 13-27.	0.5	36
4	Quotient complexity of ideal languages. Theoretical Computer Science, 2013, 470, 36-52.	0.5	29
5	Quotient Complexity of Closed Languages. Theory of Computing Systems, 2014, 54, 277-292.	0.7	29
6	Syntactic Complexity of Ideal and Closed Languages. Lecture Notes in Computer Science, 2011, , 117-128.	1.0	26
7	Syntactic complexity of prefix-, suffix-, bifix-, and factor-free regular languages. Theoretical Computer Science, 2012, 449, 37-53.	0.5	19
8	CLOSURES IN FORMAL LANGUAGES AND KURATOWSKI'S THEOREM. International Journal of Foundations of Computer Science, 2011, 22, 301-321.	0.8	18
9	A Characterization of Ternary Simulation of Gate Networks. IEEE Transactions on Computers, 1987, C-36, 1318-1327.	2.4	17
10	QUOTIENT COMPLEXITY OF STAR-FREE LANGUAGES. International Journal of Foundations of Computer Science, 2012, 23, 1261-1276.	0.8	16
11	COMPLEXITY OF ATOMS OF REGULAR LANGUAGES. International Journal of Foundations of Computer Science, 2013, 24, 1009-1027.	0.8	16
12	Decision problems for convex languages. Information and Computation, 2011, 209, 353-367.	0.5	12
13	Quotient Complexity of Bifix-, Factor-, and Subword-free Regular Language. Acta Cybernetica, 2014, 21, 507-527.	0.5	12
14	Definite Asynchronous Sequential Circuits. IEEE Transactions on Computers, 1968, C-17, 18-26.	2.4	10
15	REPRESENTATION OF SEMIAUTOMATA BY CANONICAL WORDS AND EQUIVALENCES. International Journal of Foundations of Computer Science, 2005, 16, 831-850.	0.8	10
16	Symmetric Groups and Quotient Complexity of Boolean Operations. Lecture Notes in Computer Science, 2014, , 1-12.	1.0	9
17	Quotient Complexities of Atoms in Regular Ideal Languages. Acta Cybernetica, 2015, 22, 293-311.	0.5	9
18	Upper Bound on Syntactic Complexity of Suffix-Free Languages. Lecture Notes in Computer Science, 2015, , 33-45.	1.0	8

#	ARTICLE	IF	CITATIONS
19	SYNTACTIC COMPLEXITY OF $\hat{\lambda}$ - AND λ -TRIVIAL REGULAR LANGUAGES. International Journal of Foundations of Computer Science, 2014, 25, 807-821.	0.8	7
20	Unrestricted State Complexity of Binary Operations on Regular Languages. Lecture Notes in Computer Science, 2016, , 60-72.	1.0	7
21	Complexity of Right-Ideal, Prefix-Closed, and Prefix-Free Regular Languages. Acta Cybernetica, 2017, 23, 9-41.	0.5	7
22	SIMULATION OF FEEDBACK-FREE CIRCUITS IN THE ALGEBRA OF TRANSIENTS. International Journal of Foundations of Computer Science, 2003, 14, 1033-1054.	0.8	6
23	Syntactic Complexity of Regular Ideals. Theory of Computing Systems, 2018, 62, 1175-1202.	0.7	6
24	Complexity of Suffix-Free Regular Languages. Lecture Notes in Computer Science, 2015, , 146-159.	1.0	5
25	Complexity of Left-Ideal, Suffix-Closed and Suffix-Free Regular Languages. Lecture Notes in Computer Science, 2017, , 171-182.	1.0	5
26	Complexity in Convex Languages. Lecture Notes in Computer Science, 2010, , 1-15.	1.0	5
27	Quotient Complexity of Closed Languages. Lecture Notes in Computer Science, 2010, , 84-95.	1.0	5
28	Predictable semiautomata. Theoretical Computer Science, 2009, 410, 3236-3249.	0.5	4
29	Complexity of suffix-free regular languages. Journal of Computer and System Sciences, 2017, 89, 270-287.	0.9	4
30	Upper Bounds on Syntactic Complexity of Left and Two-Sided Ideals. Lecture Notes in Computer Science, 2014, , 13-24.	1.0	4
31	Syntactic Complexity of \mathcal{R} - and \mathcal{J} -Trivial Regular Languages. Lecture Notes in Computer Science, 2013, , 160-171.	1.0	4
32	In Search of Most Complex Regular Languages. Lecture Notes in Computer Science, 2012, , 5-24.	1.0	4
33	Most Complex Deterministic Union-Free Regular Languages. Lecture Notes in Computer Science, 2018, , 37-48.	1.0	3
34	Most Complex Regular Right-Ideal Languages. Lecture Notes in Computer Science, 2014, , 90-101.	1.0	3
35	Complexity of proper prefix-convex regular languages. Theoretical Computer Science, 2019, 787, 2-13.	0.5	2
36	Complexity of Proper Prefix-Convex Regular Languages. Lecture Notes in Computer Science, 2017, , 52-63.	1.0	2

#	ARTICLE	IF	CITATIONS
37	ON THE COMPLEXITY OF THE EVALUATION OF TRANSIENT EXTENSIONS OF BOOLEAN FUNCTIONS. International Journal of Foundations of Computer Science, 2012, 23, 21-35.	0.8	1
38	Most Complex Non-Returning Regular Languages. International Journal of Foundations of Computer Science, 2019, 30, 921-957.	0.8	1
39	Syntactic Complexities of Some Classes of Star-Free Languages. Lecture Notes in Computer Science, 2012, , 117-129.	1.0	1
40	Maximally Atomic Languages. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 151, 151-161.	0.8	1
41	Most Complex Non-returning Regular Languages. Lecture Notes in Computer Science, 2017, , 89-101.	1.0	1
42	Syntactic complexity of suffix-free languages. Information and Computation, 2018, 259, 174-190.	0.5	0