

# Wojciech Rytter

## List of Publications by Year in descending order

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114  
papers

2,305  
citations

304368

22  
h-index

264894

42  
g-index

120  
all docs

120  
docs citations

120  
times ranked

586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circular pattern matching with $k$ mismatches. Journal of Computer and System Sciences, 2021, 115, 73-85.	0.9	0
2	String Covers of a Tree. Lecture Notes in Computer Science, 2021, , 68-82.	1.0	1
3	Internal Dictionary Matching. Algorithmica, 2021, 83, 2142-2169.	1.0	3
4	Shortest covers of all cyclic shifts of a string. Theoretical Computer Science, 2021, 866, 70-81.	0.5	1
5	String periods in the order-preserving model. Information and Computation, 2020, 270, 104463.	0.5	1
6	A Linear-Time Algorithm for Seeds Computation. ACM Transactions on Algorithms, 2020, 16, 1-23.	0.9	11
7	Efficient Enumeration of Distinct Factors Using Package Representations. Lecture Notes in Computer Science, 2020, , 247-261.	1.0	0
8	Internal Quasiperiod Queries. Lecture Notes in Computer Science, 2020, , 60-75.	1.0	0
9	Shortest Covers of All Cyclic Shifts of a String. Lecture Notes in Computer Science, 2020, , 69-80.	1.0	1
10	Efficient enumeration of non-equivalent squares in partial words with few holes. Journal of Combinatorial Optimization, 2019, 37, 501-522.	0.8	0
11	Efficient Representation and Counting of Antipower Factors in Words. Lecture Notes in Computer Science, 2019, , 421-433.	1.0	6
12	Weighted Shortest Common Supersequence Problem Revisited. Lecture Notes in Computer Science, 2019, , 221-238.	1.0	0
13	Circular Pattern Matching with $k$ Mismatches. Lecture Notes in Computer Science, 2019, , 213-228.	1.0	2
14	Syntactic View of Sigma-Tau Generation of Permutations. Lecture Notes in Computer Science, 2019, , 447-459.	1.0	0
15	Efficient algorithms for shortest partial seeds in words. Theoretical Computer Science, 2018, 710, 139-147.	0.5	8
16	On semi-perfect de Bruijn words. Theoretical Computer Science, 2018, 720, 55-63.	0.5	1
17	Faster Recovery of Approximate Periods over Edit Distance. Lecture Notes in Computer Science, 2018, , 233-240.	1.0	0
18	Efficient Indexes for Jumbled Pattern Matching with Constant-Sized Alphabet. Algorithmica, 2017, 77, 1194-1215.	1.0	7

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19	Fast algorithms for Abelian periods in words and greatest common divisor queries. Journal of Computer and System Sciences, 2017, 84, 205-218.	0.9	7
20	Efficient Enumeration of Non-Equivalent Squares in Partial Words with Few Holes. Lecture Notes in Computer Science, 2017, , 99-111.	1.0	1
21	Covering problems for partial words and for indeterminate strings. Theoretical Computer Science, 2017, 698, 25-39.	0.5	7
22	String Powers in Trees. Algorithmica, 2017, 79, 814-834.	1.0	6
23	Efficient Ranking of Lyndon Words and Decoding Lexicographically Minimal de Bruijn Sequence. SIAM Journal on Discrete Mathematics, 2016, 30, 2027-2046.	0.4	5
24	Order-preserving indexing. Theoretical Computer Science, 2016, 638, 122-135.	0.5	15
25	Polynomial-time approximation algorithms for weighted LCS problem. Discrete Applied Mathematics, 2016, 204, 38-48.	0.5	7
26	On the greedy algorithm for the Shortest Common Superstring problem with reversals. Information Processing Letters, 2016, 116, 245-251.	0.4	3
27	Internal Pattern Matching Queries in a Text and Applications. , 2015, , .		20
28	Fast Algorithm for Partial Covers in Words. Algorithmica, 2015, 73, 217-233.	1.0	15
29	Searching for Zimin patterns. Theoretical Computer Science, 2015, 571, 50-57.	0.5	4
30	A note on the longest common compatible prefix problem for partial words. Journal of Discrete Algorithms, 2015, 34, 49-53.	0.7	3
31	Tight Bound for the Number of Distinct Palindromes in a Tree. Lecture Notes in Computer Science, 2015, , 270-276.	1.0	6
32	Computing the number of cubic runs in standard Sturmian words. Discrete Applied Mathematics, 2014, 163, 361-372.	0.5	0
33	Efficient counting of square substrings in a tree. Theoretical Computer Science, 2014, 544, 60-73.	0.5	9
34	Extracting powers and periods in a word from its runs structure. Theoretical Computer Science, 2014, 521, 29-41.	0.5	44
35	New simple efficient algorithms computing powers and runs in strings. Discrete Applied Mathematics, 2014, 163, 258-267.	0.5	7
36	A linear time algorithm for consecutive permutation pattern matching. Information Processing Letters, 2013, 113, 430-433.	0.4	63

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37	A note on efficient computation of all Abelian periods in a string. Information Processing Letters, 2013, 113, 74-77.	0.4	20
38	Efficient seed computation revisited. Theoretical Computer Science, 2013, 483, 171-181.	0.5	8
39	A note on a simple computation of the maximal suffix of a string. Journal of Discrete Algorithms, 2013, 20, 61-64.	0.7	1
40	Computing the Longest Previous Factor. European Journal of Combinatorics, 2013, 34, 15-26.	0.5	21
41	On the maximum number of cubic subwords in a word. European Journal of Combinatorics, 2013, 34, 27-37.	0.5	9
42	ASYMPTOTIC BEHAVIOUR OF THE MAXIMAL NUMBER OF SQUARES IN STANDARD STURMIAN WORDS. International Journal of Foundations of Computer Science, 2012, 23, 303-321.	0.8	3
43	The maximal number of cubic runs in a word. Journal of Computer and System Sciences, 2012, 78, 1828-1836.	0.9	12
44	On the structure of compacted subword graphs of Thue's Morse words and their applications. Journal of Discrete Algorithms, 2012, 11, 15-24.	0.7	5
45	Efficient algorithms for three variants of the LPF table. Journal of Discrete Algorithms, 2012, 11, 51-61.	0.7	23
46	On the maximal sum of exponents of runs in a string. Journal of Discrete Algorithms, 2012, 14, 29-36.	0.7	14
47	A Linear Time Algorithm for Seeds Computation. , 2012, , .		11
48	On the Maximal Number of Cubic Runs in a String. Lecture Notes in Computer Science, 2010, , 227-238.	1.0	3
49	Extracting Powers and Periods in a String from Its Runs Structure. Lecture Notes in Computer Science, 2010, , 258-269.	1.0	26
50	USEFULNESS OF DIRECTED ACYCLIC SUBWORD GRAPHS IN PROBLEMS RELATED TO STANDARD STURMIAN WORDS. International Journal of Foundations of Computer Science, 2009, 20, 1005-1023.	0.8	9
51	Improved methods for extracting frequent itemsets from interim-support trees. Software - Practice and Experience, 2009, 39, 551-571.	2.5	0
52	Compressed string-matching in standard Sturmian words. Theoretical Computer Science, 2009, 410, 2804-2810.	0.5	7
53	Repetitions in strings: Algorithms and combinatorics. Theoretical Computer Science, 2009, 410, 5227-5235.	0.5	56
54	The number of runs in a string. Information and Computation, 2007, 205, 1459-1469.	0.5	39

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55	Broadcasting algorithms in radio networks with unknown topology. Journal of Algorithms, 2006, 60, 115-143.	0.9	83
56	Prime normal form and equivalence of simple grammars. Theoretical Computer Science, 2006, 363, 124-134.	0.5	7
57	The structure of subword graphs and suffix trees of Fibonacci words. Theoretical Computer Science, 2006, 363, 211-223.	0.5	20
58	Prime Normal Form and Equivalence of Simple Grammars. Lecture Notes in Computer Science, 2006, , 78-89.	1.0	5
59	A FIRST APPROACH TO FINDING COMMON MOTIFS WITH GAPS. International Journal of Foundations of Computer Science, 2005, 16, 1145-1154.	0.8	23
60	A randomized algorithm for gossiping in radio networks. Networks, 2004, 43, 119-124.	1.6	18
61	Grammar Compression, LZ-Encodings, and String Algorithms with Implicit Input. Lecture Notes in Computer Science, 2004, , 15-27.	1.0	31
62	On special families of morphisms related to $\hat{\Gamma}$ -matching and don't care symbols. Information Processing Letters, 2003, 85, 227-233.	0.4	8
63	The complexity of compressing subsegments of images described by finite automata. Discrete Applied Mathematics, 2003, 125, 235-254.	0.5	5
64	On maximal suffixes and constant-space linear-time versions of KMP algorithm. Theoretical Computer Science, 2003, 299, 763-774.	0.5	22
65	Application of Lempel-Ziv factorization to the approximation of grammar-based compression. Theoretical Computer Science, 2003, 302, 211-222.	0.5	222
66	LINEAR-TIME PRIME DECOMPOSITION OF REGULAR PREFIX CODES. International Journal of Foundations of Computer Science, 2003, 14, 1019-1031.	0.8	18
67	Optimal Prefix-Free Codes for Unequal Letter Costs: Dynamic Programming with the Monge Property. Journal of Algorithms, 2002, 42, 277-303.	0.9	20
68	On the Complexity of Pattern Matching for Highly Compressed Two-Dimensional Texts. Journal of Computer and System Sciences, 2002, 65, 332-350.	0.9	27
69	Deterministic broadcasting in ad hoc radio networks. Distributed Computing, 2002, 15, 27-38.	0.7	145
70	Fast broadcasting and gossiping in radio networks. Journal of Algorithms, 2002, 43, 177-189.	0.9	135
71	Application of Lempel-Ziv Factorization to the Approximation of Grammar-Based Compression. Lecture Notes in Computer Science, 2002, , 20-31.	1.0	8
72	Compressed and fully compressed pattern matching in one and two dimensions. Proceedings of the IEEE, 2000, 88, 1769-1778.	16.4	12

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73	Fast practical multi-pattern matching. Information Processing Letters, 1999, 71, 107-113.	0.4	52
74	The Compression of Subsegments of Images Described by Finite Automata. Lecture Notes in Computer Science, 1999, , 186-195.	1.0	3
75	A Constant Time Optimal Parallel Algorithm for Two-Dimensional Pattern Matching. SIAM Journal on Computing, 1998, 27, 668-681.	0.8	13
76	Constant-Time Randomized Parallel String Matching. SIAM Journal on Computing, 1997, 26, 950-960.	0.8	11
77	Sequential and Parallel Approximation of Shortest Superstrings. Journal of Algorithms, 1997, 23, 74-100.	0.9	10
78	On the complexity of pattern matching for highly compressed two-dimensional texts. Lecture Notes in Computer Science, 1997, , 40-51.	1.0	16
79	A simple randomized parallel algorithm for maximal $\mathcal{A}^2$ -matchings. Information Processing Letters, 1996, 57, 83-87.	0.4	1
80	Parallel tree-contraction and Fibonacci numbers. Information Processing Letters, 1996, 59, 267-271.	0.4	1
81	Efficient algorithms for Lempel-Ziv encoding. Lecture Notes in Computer Science, 1996, , 392-403.	1.0	59
82	Polynomial Size Test Sets For Context-Free Languages. Journal of Computer and System Sciences, 1995, 50, 11-19.	0.9	11
83	Squares, cubes, and time-space efficient string searching. Algorithmica, 1995, 13, 405-425.	1.0	120
84	Pattern-matching for strings with short descriptions. Lecture Notes in Computer Science, 1995, , 205-214.	1.0	28
85	Speeding up two string-matching algorithms. Algorithmica, 1994, 12, 247-267.	1.0	162
86	An optimal sublinear time parallel algorithm for some dynamic programming problems. Information Processing Letters, 1994, 52, 31-34.	0.4	3
87	Two-dimensional pattern matching by sampling. Information Processing Letters, 1993, 46, 159-162.	0.4	5
88	Observations on $\log(n)$ time parallel recognition of unambiguous cfl's. Information Processing Letters, 1992, 44, 267-272.	0.4	9
89	Efficient parallel algorithms to test square-freeness and factorize strings. Information Processing Letters, 1991, 38, 57-60.	0.4	48
90	On the complexity of the recognition of parallel 2D-image languages. Information Processing Letters, 1991, 38, 225-229.	0.4	2

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91	Parallel construction of minimal suffix and factor automata. Information Processing Letters, 1990, 35, 121-128.	0.4	5
92	Optimal parallel algorithms for dynamic expression evaluation and context-free recognition. Information and Computation, 1989, 81, 32-45.	0.5	34
93	A note on optimal parallel transformations of regular expressions to nondeterministic finite automata. Information Processing Letters, 1989, 31, 103-109.	0.4	10
94	Parallel algorithms for a class of graphs generated recursively. Information Processing Letters, 1989, 30, 225-231.	0.4	1
95	On efficient parallel computations of costs of paths on a grid graph. Information Processing Letters, 1988, 29, 71-74.	0.4	8
96	Parallel $O(\log n)$ time edge-colouring of trees and Halin graphs. Information Processing Letters, 1988, 27, 43-51.	0.4	10
97	Parallel time $O(\log n)$ recognition of unambiguous context-free languages. Information and Computation, 1987, 73, 75-86.	0.5	24
98	Remarks on string-matching and one-way multihead automata. Information Processing Letters, 1987, 24, 325-329.	0.4	6
99	Unique Decipherability for Partially Commutative Alphabets. Fundamenta Informaticae, 1987, 10, 323-336.	0.3	15
100	An application of Mehlhorn's algorithm for bracket languages to $\log(n)$ space recognition of input-driven languages. Information Processing Letters, 1986, 23, 81-84.	0.4	13
101	The space complexity of the unique decipherability problem. Information Processing Letters, 1986, 23, 1-3.	0.4	7
102	Fast recognition of pushdown automaton and context-free languages. Information and Control, 1985, 67, 12-22.	1.3	31
103	On linear context-free languages and one-way multihead automata. Information Processing Letters, 1984, 19, 163-166.	0.4	0
104	Some Properties of Trace Languages. Fundamenta Informaticae, 1984, 7, 117-127.	0.3	7
105	Time complexity of loop-free two-way pushdown automata. Information Processing Letters, 1983, 16, 127-129.	0.4	8
106	A simulation result for two-way pushdown automata. Information Processing Letters, 1983, 16, 199-202.	0.4	4
107	Time complexity of unambiguous path systems. Information Processing Letters, 1982, 15, 102-104.	0.4	4
108	A note on two-way nondeterministic pushdown automata. Information Processing Letters, 1982, 15, 5-9.	0.4	8

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109	An effective simulation of deterministic pushdown automata with many two-way and one-way heads. Information Processing Letters, 1981, 12, 234-236.	0.4	5
110	The dynamic simulation of recursive and stack manipulating programs. Information Processing Letters, 1981, 13, 58-63.	0.4	6
111	Time complexity of languages recognized by one-way multihead pushdown automata. Information Processing Letters, 1981, 13, 142-144.	0.4	2
112	A Correct Preprocessing Algorithm for Boyer's Moore String-Searching. SIAM Journal on Computing, 1980, 9, 509-512.	0.8	46
113	Functional automata. Fundamenta Informaticae, 1980, 3, 37-44.	0.3	0
114	The dimension of stability of stochastic automata. Information and Control, 1974, 24, 201-211.	1.3	4