Michael Domaratzki

List of Publications by Year
in descending order

39	486	840776 11	752698 20
papers	citations	h-index	g-index

44	44	44	660
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MicroRNA-guided regulation of heat stress response in wheat. BMC Genomics, 2019, 20, 488.	2.8	78
2	Continent-wide effects of urbanization on bird and mammal genetic diversity. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192497.	2.6	63
3	Deep sequencing of wheat sRNA transcriptome reveals distinct temporal expression pattern of miRNAs in response to heat, light and UV. Scientific Reports, 2016, 6, 39373.	3.3	51
4	State complexity of power. Theoretical Computer Science, 2009, 410, 2377-2392.	0.9	41
5	Deletion along trajectories. Theoretical Computer Science, 2004, 320, 293-313.	0.9	36
6	Competitive Fitness of Essential Gene Knockdowns Reveals a Broad-Spectrum Antibacterial Inhibitor of the Cell Division Protein FtsZ. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	28
7	Trajectory-based codes. Acta Informatica, 2004, 40, 491-527.	0.5	19
8	Neptune: a bioinformatics tool for rapid discovery of genomic variation in bacterial populations. Nucleic Acids Research, 2017, 45, e159-e159.	14.5	16
9	Simulating finite automata with context-free grammars. Information Processing Letters, 2002, 84, 339-344.	0.6	13
10	Decidability of trajectory-based equations. Theoretical Computer Science, 2005, 345, 304-330.	0.9	13
11	Transition complexity of language operations. Theoretical Computer Science, 2007, 387, 147-154.	0.9	12
12	Minimality in template-guided recombination. Information and Computation, 2009, 207, 1209-1220.	0.7	12
13	Semantic Shuffle on and Deletion Along Trajectories. Lecture Notes in Computer Science, 2004, , 163-174.	1.3	9
14	Metabolic network prediction through pairwise rational kernels. BMC Bioinformatics, 2014, 15, 318.	2.6	8
15	Lower bounds for the transition complexity of NFAs. Journal of Computer and System Sciences, 2008, 74, 1116-1130.	1.2	7
16	INTRA-MOLECULAR TEMPLATE-GUIDED RECOMBINATION. International Journal of Foundations of Computer Science, 2007, 18, 1177-1186.	1.1	6
17	Hairpin Structures Defined by DNA Trajectories. Lecture Notes in Computer Science, 2006, , 182-194.	1.3	6
18	Assessing feature selection method performance with class imbalance data. Machine Learning With Applications, 2021, 6, 100170.	4.4	6

#	Article	IF	Citations
19	NON-UNIQUENESS AND RADIUS OF CYCLIC UNARY NFAs. International Journal of Foundations of Computer Science, 2005, 16, 883-896.	1.1	5
20	RESTRICTED SETS OF TRAJECTORIES AND DECIDABILITY OF SHUFFLE DECOMPOSITIONS. International Journal of Foundations of Computer Science, 2005, 16, 897-912.	1.1	5
21	Codes defined by multiple sets of trajectories. Theoretical Computer Science, 2006, 366, 182-193.	0.9	5
22	Bond-free DNA language classes. Natural Computing, 2007, 6, 371-402.	3.0	5
23	Equivalence in template-guided recombination. Natural Computing, 2008, 7, 439-449.	3.0	5
24	Hairpin Structures Defined by DNA Trajectories. Theory of Computing Systems, 2009, 44, 432-454.	1.1	5
25	ABELIAN PRIMITIVE WORDS. International Journal of Foundations of Computer Science, 2012, 23, 1021-1033.	1.1	5
26	IMPROVED BOUNDS ON THE NUMBER OF AUTOMATA ACCEPTING FINITE LANGUAGES. International Journal of Foundations of Computer Science, 2004, 15, 143-161.	1.1	4
27	Representing recursively enumerable languages by iterated deletion. Theoretical Computer Science, 2004, 314, 451-457.	0.9	4
28	Somatic Copy Number Alteration-Based Prediction of Molecular Subtypes of Breast Cancer Using Deep Learning Model. Lecture Notes in Computer Science, 2017, , 57-63.	1.3	4
29	Composition and orbits of language operations: finiteness and upper bounds. International Journal of Computer Mathematics, 2013, 90, 1171-1196.	1.8	3
30	Abelian Primitive Words. Lecture Notes in Computer Science, 2011, , 204-215.	1.3	3
31	Characterizing DNA Bond Shapes Using Trajectories. Lecture Notes in Computer Science, 2006, , 180-191.	1.3	2
32	Decidability of Trajectory-Based Equations. Lecture Notes in Computer Science, 2004, , 723-734.	1.3	2
33	Template-Guided Recombination: FromÂTheoryÂto Laboratory. Natural Computing Series, 2009, , 117-137.	2.2	2
34	On codes defined by bio-operations. Theoretical Computer Science, 2007, 378, 3-16.	0.9	1
35	Pairwise Rational Kernels Obtained by Automaton Operations. Lecture Notes in Computer Science, 2014, , 332-345.	1.3	1
36	On Language Decompositions and Primality. Lecture Notes in Computer Science, 2011, , 63-75.	1.3	1

#	Article	IF	Citations
37	Algebraic properties of substitution on trajectories. Theoretical Computer Science, 2006, 369, 183-196.	0.9	0
38	Identification of significantly mutated subnetworks in the breast cancer genome. Scientific Reports, 2021, 11, 642.	3.3	0
39	On Codes Defined by Bio-operations. Lecture Notes in Computer Science, 2004, , 127-138.	1.3	0