Stavros Konstantinidis

List of Publications by Year
in descending order

46 papers	435 citations	11 h-index	18 g-index
		840585	839398

48 all docs	48 docs citations	48 times ranked	148 citing authors

#	Article	IF	Citations
1	Codes1. , 1997, , 511-607.		63
2	Computing the edit distance of a regular language. Information and Computation, 2007, 205, 1307-1316.	0.5	43
3	Sticky-free and overhang-free DNA languages. Acta Informatica, 2003, 40, 119-157.	0.5	41
4	Coding properties of DNA languages. Theoretical Computer Science, 2003, 290, 1557-1579.	0.5	40
5	On properties of bond-free DNA languages. Theoretical Computer Science, 2005, 334, 131-159.	0.5	23
6	An investigation into inter- and intragenomic variations of graphic genomic signatures. BMC Bioinformatics, 2015, 16, 246.	1.2	23
7	Additive methods for genomic signatures. BMC Bioinformatics, 2016, 17, 313.	1.2	19
8	Coding Properties of DNA Languages. Lecture Notes in Computer Science, 2002, , 57-69.	1.0	18
9	On Hairpin-Free Words and Languages. Lecture Notes in Computer Science, 2005, , 296-307.	1.0	17
10	Hairpin Structures in DNA Words. Lecture Notes in Computer Science, 2006, , 158-170.	1.0	17
11	BOND-FREE LANGUAGES: FORMALIZATIONS, MAXIMALITY AND CONSTRUCTION METHODS. International Journal of Foundations of Computer Science, 2005, 16, 1039-1070.	0.8	12
12	An Algebra of Discrete Channels That Involve Combinations of Three Basic Error Types. Information and Computation, 2001, 167, 120-131.	0.5	11
13	Language equations, maximality and error-detection. Journal of Computer and System Sciences, 2005, 70, 157-178.	0.9	10
14	FORMAL DESCRIPTIONS OF CODE PROPERTIES: DECIDABILITY, COMPLEXITY, IMPLEMENTATION. International Journal of Foundations of Computer Science, 2012, 23, 67-85.	0.8	9
15	Computing Maximal Error-detecting Capabilities and Distances of Regular Languages. Fundamenta Informaticae, 2010, 101, 257-270.	0.3	8
16	Bond-Free Languages: Formalizations, Maximality and Construction Methods. Lecture Notes in Computer Science, 2005, , 169-181.	1.0	8
17	Structural analysis of error-correcting codes for discrete channels that involve combinations of three basic error types. IEEE Transactions on Information Theory, 1999, 45, 60-77.	1.5	7
18	Error-detecting properties of languages. Theoretical Computer Science, 2002, 276, 355-375.	0.5	7

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19	On a simple method for detecting synchronization errors in coded messages. IEEE Transactions on Information Theory, 2003, 49, 1355-1363.	1.5	7
20	On the maximality of languages with combined types of code properties. Theoretical Computer Science, 2014, 550, 79-89.	0.5	5
21	Relationships between different error-correcting capabilities of a code. IEEE Transactions on Information Theory, 2001, 47, 2065-2069.	1.5	4
22	OPERATIONS ON TRAJECTORIES WITH APPLICATIONS TO CODING AND BIOINFORMATICS. International Journal of Foundations of Computer Science, 2005, 16, 531-546.	0.8	4
23	Applications of Transducers in Independent Languages, Word Distances, Codes. Lecture Notes in Computer Science, 2017, , 45-62.	1.0	4
24	STATE COMPLEXITY OF THE SUBWORD CLOSURE OPERATION WITH APPLICATIONS TO DNA CODING. International Journal of Foundations of Computer Science, 2008, 19, 1099-1112.	0.8	3
25	Transducer Descriptions of DNA Code Properties and Undecidability of Antimorphic Problems. Lecture Notes in Computer Science, 2015, , 141-152.	1.0	3
26	Substitutions, Trajectories and Noisy Channels. Lecture Notes in Computer Science, 2005, , 202-212.	1.0	3
27	Regular Expressions and Transducers over Alphabet-Invariant and User-Defined Labels. Lecture Notes in Computer Science, 2018, , 4-27.	1.0	3
28	Representation and uniformization of algebraic transductions. Acta Informatica, 2006, 43, 395-417.	0.5	2
29	Randomized generation of error control codes with automata and transducers. RAIRO - Theoretical Informatics and Applications, 2018, 52, 169-184.	0.5	2
30	On the size of partial derivatives and the word membership problem. Acta Informatica, 2021, 58, 357-375.	0.5	2
31	Implementation of Code Properties via Transducers. Lecture Notes in Computer Science, 2016, , 189-201.	1.0	2
32	DNA Coding Using the Subword Closure Operation. , 2007, , 284-289.		2
33	Regular Expressions and Transducers Over Alphabet-Invariant and User-Defined Labels. International Journal of Foundations of Computer Science, 2020, 31, 983-1019.	0.8	2
34	(Near-)inverses of sequences. International Journal of Computer Mathematics, 2006, 83, 203-222.	1.0	1
35	On the definition of stochastic λ-transducers. International Journal of Computer Mathematics, 2009, 86, 1300-1310.	1.0	1
36	On implementing recognizable transductions. International Journal of Computer Mathematics, 2010, 87, 260-277.	1.0	1

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37	Transducer descriptions of DNA code properties and undecidability of antimorphic problems. Information and Computation, 2018, 259, 237-258.	0.5	1
38	Partitioning a Symmetric Rational Relation into Two Asymmetric Rational Relations. Lecture Notes in Computer Science, 2019, , 171-183.	1.0	1
39	Substitution on Trajectories. Lecture Notes in Computer Science, 2004, , 145-158.	1.0	1
40	Computing Maximal Kleene Closures That Are Embeddable in a Given Constrained DNA Language. Lecture Notes in Computer Science, 2011, , 115-129.	1.0	1
41	State-complexity hierarchies of uniform languages of alphabet-size length. Theoretical Computer Science, 2009, 410, 3223-3235.	0.5	0
42	Computing maximal Kleene closures that are embeddable in a given subword-closed language. Natural Computing, 2013, 12, 211-222.	1.8	0
43	Implementation and Application of Automata (CIAA 2013). Theoretical Computer Science, 2015, 578, 1.	0.5	0
44	Efficient Algorithms for Computing the Inner Edit Distance of a Regular Language via Transducers. Algorithms, 2018, 11, 165.	1.2	0
45	Zero-Avoiding Transducers, Length Separable Relations, and the Rational Asymmetric Partition Problem. International Journal of Foundations of Computer Science, 2021, 32, 455-480.	0.8	0
46	Theoretical and Implementational Aspects of the Formal Language Server (LaSer). Lecture Notes in Computer Science, 2020, , 289-295.	1.0	0