

Lucian Ilie

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,169
citations

394421

19
h-index

395702

33
g-index

41
all docs

41
docs citations

41
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	ALeS: adaptive-length spaced-seed design. <i>Bioinformatics</i> , 2021, 37, 1206-1210.	4.1	2
2	SAGE2: parallel human genome assembly. <i>Bioinformatics</i> , 2018, 34, 678-680.	4.1	2
3	HISEA: Hierarchical SEed Aligner for PacBio data. <i>BMC Bioinformatics</i> , 2017, 18, 564.	2.6	9
4	LASER: Large genome ASsembly EvaluatoR. <i>BMC Research Notes</i> , 2015, 8, 709.	1.4	5
5	E-MEM: efficient computation of maximal exact matches for very large genomes. <i>Bioinformatics</i> , 2015, 31, 509-514.	4.1	26
6	Correcting Illumina data. <i>Briefings in Bioinformatics</i> , 2015, 16, 588-599.	6.5	29
7	SAGE: String-overlap Assembly of GENomes. <i>BMC Bioinformatics</i> , 2014, 15, 302.	2.6	23
8	BOND: Basic OligoNucleotide Design. <i>BMC Bioinformatics</i> , 2013, 14, 69.	2.6	19
9	RACER: Rapid and accurate correction of errors in reads. <i>Bioinformatics</i> , 2013, 29, 2490-2493.	4.1	64
10	Computing the Longest Previous Factor. <i>European Journal of Combinatorics</i> , 2013, 34, 15-26.	0.8	21
11	A comparison of index-based lempel-Ziv LZ77 factorization algorithms. <i>ACM Computing Surveys</i> , 2012, 45, 1-17.	23.0	24
12	Minimum Unique Substrings and Maximum Repeats. <i>Fundamenta Informaticae</i> , 2011, 110, 183-195.	0.4	12
13	Seeds for effective oligonucleotide design. <i>BMC Genomics</i> , 2011, 12, 280.	2.8	9
14	The "runs" conjecture. <i>Theoretical Computer Science</i> , 2011, 412, 2931-2941.	0.9	30
15	SpEED: fast computation of sensitive spaced seeds. <i>Bioinformatics</i> , 2011, 27, 2433-2434.	4.1	46
16	HiTEC: accurate error correction in high-throughput sequencing data. <i>Bioinformatics</i> , 2011, 27, 295-302.	4.1	111
17	Fast computation of neighbor seeds. <i>Bioinformatics</i> , 2009, 25, 822-823.	4.1	4
18	Repetitions in strings: Algorithms and combinatorics. <i>Theoretical Computer Science</i> , 2009, 410, 5227-5235.	0.9	56

#	ARTICLE	IF	CITATIONS
19	LPF Computation Revisited. Lecture Notes in Computer Science, 2009, , 158-169.	1.3	38
20	Computing Longest Previous Factor in linear time and applications. Information Processing Letters, 2008, 106, 75-80.	0.6	109
21	Maximal repetitions in strings. Journal of Computer and System Sciences, 2008, 74, 796-807.	1.2	51
22	A Simple Algorithm for Computing the Lempel Ziv Factorization. Proceedings of the Data Compression Conference, 2008, , .	0.0	52
23	Towards a Solution to the "Runs" Conjecture. , 2008, , 290-302.		21
24	THE STRUCTURE OF FACTOR ORACLES. International Journal of Foundations of Computer Science, 2007, 18, 781-797.	1.1	12
25	Multiple spaced seeds for homology search. Bioinformatics, 2007, 23, 2969-2977.	4.1	46
26	The Lempel-Ziv Complexity of Fixed Points of Morphisms. SIAM Journal on Discrete Mathematics, 2007, 21, 466-481.	0.8	8
27	A note on the number of squares in a word. Theoretical Computer Science, 2007, 380, 373-376.	0.9	55
28	Analysis of Maximal Repetitions in Strings. Lecture Notes in Computer Science, 2007, , 465-476.	1.3	12
29	Periodic and Sturmian languages. Information Processing Letters, 2006, 98, 242-246.	0.6	0
30	The Lempel-Ziv Complexity of Fixed Points of Morphisms. Lecture Notes in Computer Science, 2006, , 280-291.	1.3	1
31	A simple proof that a word of length n has at most $\frac{n}{2}$ squares. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://journal-of-combinatorics.org/xml/journal-of-combinatorics/dtd"</small>	0.8	49
32	WORD COMPLEXITY AND REPETITIONS IN WORDS. International Journal of Foundations of Computer Science, 2004, 15, 41-55.	1.1	11
33	Follow automata. Information and Computation, 2003, 186, 140-162.	0.7	102
34	Reducing NFAs by invariant equivalences. Theoretical Computer Science, 2003, 306, 373-390.	0.9	36
35	ON GENERALIZED SLENDERNESS OF CONTEXT-FREE LANGUAGES. , 2001, , 189-202.		3
36	A characterization of poly-slender context-free languages. RAIRO - Theoretical Informatics and Applications, 2000, 34, 77-86.	0.5	18

#	ARTICLE	IF	CITATIONS
37	On lengths of words in context-free languages. Theoretical Computer Science, 2000, 242, 327-359.	0.9	12
38	On strongly context-free languages. Discrete Applied Mathematics, 2000, 103, 153-165.	0.9	6
39	Uniformly Scattered Factors. , 2000, , 187-198.		1
40	Generalized Factors of Words. Fundamenta Informaticae, 1998, 33, 239-247.	0.4	1
41	On a conjecture about slender context-free languages. Theoretical Computer Science, 1994, 132, 427-434.	0.9	33