

Edita Pelantová

List of Publications by Year in descending order

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76
papers

551
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758635

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752256

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79
all docs

79
docs citations

79
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	On positional representation of integer vectors. <i>Linear Algebra and Its Applications</i> , 2022, 633, 316-331.	0.4	1
2	On Morphisms Preserving Palindromic Richness. <i>Fundamenta Informaticae</i> , 2022, 185, 1-25.	0.3	0
3	On Balanced Sequences and Their Asymptotic Critical Exponent. <i>Lecture Notes in Computer Science</i> , 2021, , 293-304.	1.0	2
4	On Sturmian substitutions closed under derivation. <i>Theoretical Computer Science</i> , 2021, 867, 128-139.	0.5	0
5	On the Markov numbers: Fixed numerator, denominator, and sum conjectures. <i>Advances in Applied Mathematics</i> , 2021, 130, 102227.	0.4	2
6	On generalized self-similarities of cut-and-project sets. <i>Linear Algebra and Its Applications</i> , 2021, 625, 279-321.	0.4	0
7	On non-repetitive complexity of Arnoux-Rauzy words. <i>Discrete Applied Mathematics</i> , 2020, 285, 423-433.	0.5	1
8	Morphisms generating antipalindromic words. <i>European Journal of Combinatorics</i> , 2020, 89, 103160.	0.5	0
9	Palindromic length of words and morphisms in class $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \langle \text{mml:mi mathvariant="script"} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$. <i>Theoretical Computer Science</i> , 2019, 780, 74-83.	0.5	3
10	Derived sequences of complementary symmetric Rote sequences. <i>RAIRO - Theoretical Informatics and Applications</i> , 2019, 53, 125-151.	0.5	3
11	On Palindromic Length of Sturmian Sequences. <i>Lecture Notes in Computer Science</i> , 2019, , 244-250.	1.0	1
12	Two applications of the spectrum of numbers. <i>Acta Mathematica Hungarica</i> , 2018, 156, 391-407.	0.3	3
13	Fixed points of Sturmian morphisms and their derivated words. <i>Theoretical Computer Science</i> , 2018, 743, 23-37.	0.5	6
14	On the Zero Defect Conjecture. <i>European Journal of Combinatorics</i> , 2017, 62, 132-146.	0.5	1
15	Exchange of three intervals: Substitutions and palindromicity. <i>European Journal of Combinatorics</i> , 2017, 62, 217-231.	0.5	5
16	On Words with the Zero Palindromic Defect. <i>Lecture Notes in Computer Science</i> , 2017, , 59-71.	1.0	3
17	On periodic representations in non-Pisot bases. <i>Monatshefte Fur Mathematik</i> , 2017, 184, 1-19.	0.5	9
18	ITINERARIES INDUCED BY EXCHANGE OF THREE INTERVALS. <i>Acta Polytechnica</i> , 2016, 56, 462-471.	0.3	1

#	ARTICLE	IF	CITATIONS
19	On-line Multiplication and Division in Real and Complex Bases. , 2016, , .		1
20	Palindromic sequences generated from marked morphisms. European Journal of Combinatorics, 2016, 51, 200-214.	0.5	9
21	Markov constant and quantum instabilities. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 155201.	0.7	3
22	Spectral properties of cubic complex Pisot units. Mathematics of Computation, 2015, 85, 401-421.	1.1	7
23	Description of spectra of quadratic Pisot units. Journal of Number Theory, 2015, 150, 168-190.	0.2	3
24	Balances of m-bonacci Words. Fundamenta Informaticae, 2014, 132, 33-61.	0.3	3
25	Palindromic closures using multiple antimorphisms. Theoretical Computer Science, 2014, 533, 37-45.	0.5	3
26	Parallel algorithms for addition in non-standard number systems. , 2014, , .		0
27	k -Block parallel addition versus 1-block parallel addition in non-standard numeration systems. Theoretical Computer Science, 2014, 543, 52-67.	0.5	8
28	Palindromic richness for languages invariant under more symmetries. Theoretical Computer Science, 2014, 518, 42-63.	0.5	7
29	Languages invariant under more symmetries: Overlapping factors versus palindromic richness. Discrete Mathematics, 2013, 313, 2432-2445.	0.4	12
30	Purely periodic expansions in systems with negative base. Acta Mathematica Hungarica, 2013, 139, 208-227.	0.3	5
31	Optimal number representations in negative base. Acta Mathematica Hungarica, 2013, 140, 329-340.	0.3	0
32	Enumerating Abelian Returns to Prefixes of Sturmian Words. Lecture Notes in Computer Science, 2013, , 193-204.	1.0	1
33	ITINERARIES INDUCED BY EXCHANGE OF TWO INTERVALS. Acta Polytechnica, 2013, 53, 444-449.	0.3	0
34	ALMOST RICH WORDS AS MORPHIC IMAGES OF RICH WORDS. International Journal of Foundations of Computer Science, 2012, 23, 1067-1083.	0.8	6
35	Numbers with integer expansion in the numeration system with negative base. Functiones Et Approximatio, Commentarii Mathematici, 2012, 47, .	0.1	4
36	Parallel addition in non-standard numeration systems. Theoretical Computer Science, 2011, 412, 5714-5727.	0.5	19

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37	Infinite words with finite defect. <i>Advances in Applied Mathematics</i> , 2011, 47, 562-574.	0.4	12
38	Note on powers in three interval exchange transformations. <i>Theoretical Computer Science</i> , 2011, 412, 3788-3794.	0.5	0
39	Morphisms fixing words associated with exchange of three intervals. <i>RAIRO - Theoretical Informatics and Applications</i> , 2010, 44, 3-17.	0.5	1
40	Sturmian jungle (or garden?) on multiliteral alphabets. <i>RAIRO - Theoretical Informatics and Applications</i> , 2010, 44, 443-470.	0.5	15
41	Factor Complexity of Infinite Words Associated with Non-Simple Parry Numbers. <i>Integers</i> , 2009, 9, .	0.3	4
42	Repetitions in Beta-Integers. <i>Letters in Mathematical Physics</i> , 2009, 87, 181-195.	0.5	3
43	A note on symmetries in the Rauzy graph and factor frequencies. <i>Theoretical Computer Science</i> , 2009, 410, 2779-2783.	0.5	2
44	Relation between powers of factors and the recurrence function characterizing Sturmian words. <i>Theoretical Computer Science</i> , 2009, 410, 3589-3596.	0.5	1
45	Palindromes in infinite ternary words. <i>RAIRO - Theoretical Informatics and Applications</i> , 2009, 43, 687-702.	0.5	3
46	Asymptotic Behavior of Beta-Integers. <i>Letters in Mathematical Physics</i> , 2008, 84, 179-198.	0.5	5
47	Sequences with constant number of return words. <i>Monatshefte Fur Mathematik</i> , 2008, 155, 251-263.	0.5	25
48	Classification of the conditionally observable spectra exhibiting central symmetry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 1986-1989.	0.9	5
49	Fine Group Gradings of the Real Forms of $sl(4, \mathbb{C})$, $sp(4, \mathbb{C})$, and $o(4, \mathbb{C})$. <i>Journal of Mathematical Physics</i> , 2007, 48, 093503.	0.5	2
50	Factor versus palindromic complexity of uniformly recurrent infinite words. <i>Theoretical Computer Science</i> , 2007, 380, 266-275.	0.5	28
51	On a class of infinite words with affine factor complexity. <i>Theoretical Computer Science</i> , 2007, 389, 12-25.	0.5	6
52	Combinatorial and arithmetical properties of infinite words associated with non-simple quadratic Parry numbers. <i>RAIRO - Theoretical Informatics and Applications</i> , 2007, 41, 307-328.	0.5	6
53	Fine grading of $sl(p, \mathbb{C})$ generated by tensor product of generalized Pauli matrices and its symmetries. <i>Journal of Mathematical Physics</i> , 2006, 47, 013512.	0.5	10
54	Palindromic complexity of infinite words associated with simple Parry numbers. <i>Annales De L'Institut Fourier</i> , 2006, 56, 2131-2160.	0.2	22

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55	Integers with a maximal number of Fibonacci representations. RAIRO - Theoretical Informatics and Applications, 2005, 39, 343-359.	0.5	1
56	The Meyer property of cut-and-project sets. Journal of Physics A, 2004, 37, 8853-8864.	1.6	0
57	On Pauli graded contractions of $sl(3, \mathbb{C})$. Journal of Nonlinear Mathematical Physics, 2004, 11, 37.	0.8	3
58	Fine gradings of $o(4, \mathbb{C})$. Journal of Mathematical Physics, 2004, 45, 2188-2198.	0.5	12
59	Complexity of infinite words associated with beta-expansions. RAIRO - Theoretical Informatics and Applications, 2004, 38, 163-185.	0.5	15
60	Combinatorial properties of infinite words associated with cut-and-project sequences. Journal De Theorie Des Nombres De Bordeaux, 2003, 15, 697-725.	0.0	18
61	The eight fine gradings of $sl(4, \mathbb{C})$ and $o(6, \mathbb{C})$. Journal of Mathematical Physics, 2002, 43, 6353-6378.	0.5	10
62	Automorphisms of the fine grading of $sl(n, \mathbb{C})$ associated with the generalized Pauli matrices. Journal of Mathematical Physics, 2002, 43, 1083-1094.	0.5	24
63	Exceptional algebraic properties of the three quadratic irrationalities observed in quasicrystals. Canadian Journal of Physics, 2001, 79, 687-696.	0.4	1
64	Cut-and-project sequences and substitution rules. Ferroelectrics, 2001, 250, 165-168.	0.3	0
65	On fine gradings and their symmetries. European Physical Journal D, 2001, 51, 383-391.	0.4	11
66	Fine gradings of $o(5, \mathbb{C})$, $sp(4, \mathbb{C})$ and of their real forms. Journal of Mathematical Physics, 2001, 42, 3839-3853.	0.5	8
67	On Lie gradings III. Gradings of the real forms of classical Lie algebras. Linear Algebra and Its Applications, 2000, 314, 1-47.	0.4	31
68	Characterization of Cut-and-Project Sets Using a Binary Operation. Letters in Mathematical Physics, 2000, 54, 1-10.	0.5	3
69	Substitution rules for aperiodic sequences of the cut and project type. Journal of Physics A, 2000, 33, 8867-8886.	1.6	5
70	On Lie gradings II. Linear Algebra and Its Applications, 1998, 277, 97-125.	0.4	63
71	Quasicrystal Lie algebras. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 246, 209-213.	0.9	16
72	Tau-wavelets in the plane. Journal of Mathematical Physics, 1998, 39, 4201-4212.	0.5	9

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73	Inflation centres of the cut and project quasicrystals. Journal of Physics A, 1998, 31, 1443-1453.	1.6	20
74	Self-similar Delone sets and quasicrystals. Journal of Physics A, 1998, 31, 4927-4946.	1.6	9
75	On the Fine Gradings of Simple Classical Lie Algebras. International Journal of Modern Physics A, 1997, 12, 189-194.	0.5	4
76	Title is missing!. European Physical Journal D, 1997, 47, 13-16.	0.4	3