

Miroslav Ciric

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

1,122
citations

430874

18
h-index

454955

30
g-index

81
all docs

81
docs citations

81
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	Bisimulations for fuzzy automata. <i>Fuzzy Sets and Systems</i> , 2012, 186, 100-139.	2.7	90
2	Determinization of fuzzy automata with membership values in complete residuated lattices. <i>Information Sciences</i> , 2008, 178, 164-180.	6.9	86
3	Myhill's Nerode type theory for fuzzy languages and automata. <i>Fuzzy Sets and Systems</i> , 2010, 161, 1288-1324.	2.7	71
4	Computation of the greatest simulations and bisimulations between fuzzy automata. <i>Fuzzy Sets and Systems</i> , 2012, 208, 22-42.	2.7	69
5	Fuzzy relation equations and reduction of fuzzy automata. <i>Journal of Computer and System Sciences</i> , 2010, 76, 609-633.	1.2	56
6	Fuzzy equivalence relations and their equivalence classes. <i>Fuzzy Sets and Systems</i> , 2007, 158, 1295-1313.	2.7	47
7	On the greatest solutions to weakly linear systems of fuzzy relation inequalities and equations. <i>Fuzzy Sets and Systems</i> , 2010, 161, 3081-3113.	2.7	40
8	Determinization of weighted finite automata over strong bimonoids. <i>Information Sciences</i> , 2010, 180, 3497-3520.	6.9	39
9	Fuzzy relation equations and subsystems of fuzzy transition systems. <i>Knowledge-Based Systems</i> , 2013, 38, 48-61.	7.1	34
10	Uniform fuzzy relations and fuzzy functions. <i>Fuzzy Sets and Systems</i> , 2009, 160, 1054-1081.	2.7	31
11	Bisimulations for weighted automata over an additively idempotent semiring. <i>Theoretical Computer Science</i> , 2014, 534, 86-100.	0.9	31
12	Reduction of fuzzy automata by means of fuzzy quasi-orders. <i>Information Sciences</i> , 2014, 275, 168-198.	6.9	28
13	Outer and (b,c) inverses of tensors. <i>Linear and Multilinear Algebra</i> , 2020, 68, 940-971.	1.0	28
14	Weakly linear systems of fuzzy relation inequalities and their applications: A brief survey. <i>Filomat</i> , 2012, 26, 207-241.	0.5	26
15	Fuzzy homomorphisms of algebras. <i>Fuzzy Sets and Systems</i> , 2009, 160, 2345-2365.	2.7	25
16	Formal power series and regular operations on fuzzy languages. <i>Information Sciences</i> , 2010, 180, 1104-1120.	6.9	24
17	An improved algorithm for determinization of weighted and fuzzy automata. <i>Information Sciences</i> , 2011, 181, 1358-1368.	6.9	23
18	Fuzzy relational inequalities and equations, fuzzy quasi-orders, closures and openings of fuzzy sets. <i>Fuzzy Sets and Systems</i> , 2015, 260, 1-24.	2.7	23

#	ARTICLE	IF	CITATIONS
19	Determinization of Fuzzy Automata by Means of the Degrees of Language Inclusion. IEEE Transactions on Fuzzy Systems, 2015, 23, 2144-2153.	9.8	20
20	Construction of fuzzy automata from fuzzy regular expressions. Fuzzy Sets and Systems, 2012, 199, 1-27.	2.7	19
21	Conditions for Existence, Representations, and Computation of Matrix Generalized Inverses. Complexity, 2017, 2017, 1-27.	1.6	19
22	Weakly linear systems of fuzzy relation inequalities: The heterogeneous case. Fuzzy Sets and Systems, 2012, 199, 64-91.	2.7	18
23	Brzozowski type determinization for fuzzy automata. Fuzzy Sets and Systems, 2014, 249, 73-82.	2.7	17
24	Approximate Bisimulations for Fuzzy Automata Over Complete Heyting Algebras. IEEE Transactions on Fuzzy Systems, 2022, 30, 437-447.	9.8	16
25	Decompositions of semigroups induced by identities. Semigroup Forum, 1993, 46, 329-346.	0.6	15
26	Semilattice decompositions of semigroups. Semigroup Forum, 1996, 52, 119-132.	0.6	14
27	Nondeterministic automata: Equivalence, bisimulations, and uniform relations. Information Sciences, 2014, 261, 185-218.	6.9	14
28	Factorization of Fuzzy Automata. Lecture Notes in Computer Science, 2007, , 213-225.	1.3	14
29	Further improvements of determinization methods for fuzzy finite automata. Fuzzy Sets and Systems, 2016, 301, 79-102.	2.7	13
30	Representations and symbolic computation of generalized inverses over fields. Applied Mathematics and Computation, 2021, 406, 126287.	2.2	12
31	Fuzzy relation equations and inequalities with two unknowns and their applications. Fuzzy Sets and Systems, 2017, 322, 86-105.	2.7	11
32	Adjoint Mappings and Inverses of Matrices. Algebra Colloquium, 2006, 13, 421-432.	0.2	9
33	Ranks of fuzzy matrices. Applications in state reduction of fuzzy automata. Fuzzy Sets and Systems, 2018, 333, 124-139.	2.7	9
34	Determinization of fuzzy automata by factorizations of fuzzy states and right invariant fuzzy quasi-orders. Information Sciences, 2018, 469, 79-100.	6.9	9
35	Congruence openings of additive Green's relations on \mathcal{A} -semiring. Semigroup Forum, 2011, 82, 437-454.	0.6	8
36	Improved algorithms for computing the greatest right and left invariant Boolean matrices and their application. Filomat, 2019, 33, 2809-2831.	0.5	8

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37	Orthogonal sums of semigroups. Israel Journal of Mathematics, 1995, 90, 423-428.	0.8	6
38	Characterizations and representations of outer inverse for matrices over a ring. Linear and Multilinear Algebra, 2021, 69, 155-176.	1.0	6
39	Retractive nil-extensions of regular semigroups, II. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1992, 68, .	0.4	6
40	Bisimulations in fuzzy social network analysis. , 0, , .		6
41	Semilattice Decompositions of Semigroups Revisited. Semigroup Forum, 2000, 61, 263-276.	0.6	5
42	Retractive nil-extensions of regular semigroups, I. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1992, 68, .	0.4	5
43	The lattice of positive quasi-orders on a semigroup. Israel Journal of Mathematics, 1997, 98, 157-166.	0.8	4
44	The Five-Element Brandt Semigroup as a Forbidden Divisor. Semigroup Forum, 2000, 61, 363-372.	0.6	4
45	Unary algebras, semigroups and congruences on free semigroups. Theoretical Computer Science, 2004, 324, 87-105.	0.9	4
46	Weighted finite automata with output. Soft Computing, 2018, 22, 1121-1138.	3.6	4
47	Fuzziness in Automata Theory: Why? How?. Studies in Fuzziness and Soft Computing, 2013, , 109-114.	0.8	4
48	Spined products of some semigroups. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1993, 69, .	0.4	4
49	Moore-Penrose equations in involutive residuated semigroups and involutive quantales. Filomat, 2017, 31, 183-196.	0.5	4
50	Nil-extensions of unions of groups induced by identities. Semigroup Forum, 1994, 48, 303-311.	0.6	3
51	Radicals of Green's relations. Czechoslovak Mathematical Journal, 1999, 49, 683-688.	0.3	3
52	Semilattices of Nil-extensions of Simple Regular Semigroups. Algebra Colloquium, 2003, 10, 81-90.	0.2	3
53	Effective subdirect decompositions of regular semigroups. Semigroup Forum, 2008, 77, 500-519.	0.6	3
54	Bands of k -Archimedean semigroups. Semigroup Forum, 2010, 80, 426-439.	0.6	3

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55	Heuristic algorithm for single resource constrained project scheduling problem based on the dynamic programming. Yugoslav Journal of Operations Research, 2009, 19, 281-298.	0.8	3
56	Semilattices of Archimedean Semigroups. , 2011, , .		3
57	Traps, Cores, Extensions and Subdirect Decompositions of Unary Algebras. Fundamenta Informaticae, 1999, 38, 51-60.	0.4	2
58	Linear Equations and Regularity Conditions on Semigroups. Semigroup Forum, 2004, 69, 63-74.	0.6	2
59	Boolean relation equations in data analysis. , 2011, , .		2
60	Weakly linear systems for matrices over the max-plus quantale. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 1-25.	1.5	2
61	Representations and geometrical properties of generalized inverses over fields. Linear and Multilinear Algebra, 2022, 70, 7318-7338.	1.0	2
62	GENERALIZED DIRECTABLE AUTOMATA. , 2003, , .		2
63	Parsing in different languages. Facta Universitatis - Series Electronics and Energetics, 2005, 18, 299-307.	0.9	2
64	Bands of $\hat{\lambda}$ -simple semigroups. Filomat, 2010, 24, 77-85.	0.5	2
65	Strong bands of groups of left quotients. Glasgow Mathematical Journal, 1996, 38, 237-242.	0.3	1
66	Posets of \mathbb{C} -congruences. Algebra Universalis, 1996, 36, 423-424.	0.3	1
67	The Lattice of Semilattice-Matrix Decompositions of a Semigroup. Rocky Mountain Journal of Mathematics, 1999, 29, 1225.	0.4	1
68	Minimal forbidden subwords. Information Processing Letters, 2004, 92, 211-218.	0.6	1
69	SEMIGROUPS SATISFYING CERTAIN REGULARITY CONDITIONS. , 2003, , .		1
70	The Existence of Generalized Inverses of Fuzzy Matrices. Studies in Computational Intelligence, 2019, , 19-38.	0.9	1
71	Identities over the two-element alphabet. Semigroup Forum, 1996, 52, 365-379.	0.6	0
72	Orthogonal sums of 0- $\hat{\lambda}$ -simple semigroups. Acta Mathematica Hungarica, 1996, 70, 199-205.	0.5	0

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73	Sums and Limits of Generalized Direct Families of Algebras. Southeast Asian Bulletin of Mathematics, 2001, 25, 47-60.	0.1	0
74	Subdirect products of certain varieties of unary algebras. Czechoslovak Mathematical Journal, 2007, 57, 573-578.	0.3	0
75	LOCALLY UNIFORMLY ϵ -REGULAR SEMIGROUPS. , 2000, , .		0
76	SEMIGROUPS SATISFYING SOME VARIABLE IDENTITIES. , 2000, , .		0
77	Normal band compositions of semigroups. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1993, 69, .	0.4	0
78	Regular fuzzy equivalences on multi-mode multi-relational fuzzy networks. , 0, , .		0
79	CROSS-MOMENTS COMPUTATION FOR STOCHASTIC CONTEXT-FREE GRAMMARS. Facta Universitatis Series Mathematics and Informatics, 2018, 33, 041.	0.1	0
80	Direct and Indirect Methods for Solving Two-Mode Systems of Fuzzy Relation Equations and Inequalities. Studies in Computational Intelligence, 2019, , 155-165.	0.9	0