

Miroslav Ciric

List of Publications by Year in descending order

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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	Approximate Bisimulations for Fuzzy Automata Over Complete Heyting Algebras. IEEE Transactions on Fuzzy Systems, 2022, 30, 437-447.	9.8	16
2	Weakly linear systems for matrices over the max-plus quantale. Discrete Event Dynamic Systems: Theory and Applications, 2022, 32, 1-25.	1.5	2
3	Representations and geometrical properties of generalized inverses over fields. Linear and Multilinear Algebra, 2022, 70, 7318-7338.	1.0	2
4	Characterizations and representations of outer inverse for matrices over a ring. Linear and Multilinear Algebra, 2021, 69, 155-176.	1.0	6
5	Representations and symbolic computation of generalized inverses over fields. Applied Mathematics and Computation, 2021, 406, 126287.	2.2	12
6	Outer and (b,c) inverses of tensors. Linear and Multilinear Algebra, 2020, 68, 940-971.	1.0	28
7	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
8	The Existence of Generalized Inverses of Fuzzy Matrices. Studies in Computational Intelligence, 2019, , 19-38.	0.9	1
9	Improved algorithms for computing the greatest right and left invariant Boolean matrices and their application. Filomat, 2019, 33, 2809-2831.	0.5	8
10	Weighted finite automata with output. Soft Computing, 2018, 22, 1121-1138.	3.6	4
11	Ranks of fuzzy matrices. Applications in state reduction of fuzzy automata. Fuzzy Sets and Systems, 2018, 333, 124-139.	2.7	9
12	Determinization of fuzzy automata by factorizations of fuzzy states and right invariant fuzzy quasi-orders. Information Sciences, 2018, 469, 79-100.	6.9	9
13	CROSS-MOMENTS COMPUTATION FOR STOCHASTIC CONTEXT-FREE GRAMMARS. Facta Universitatis Series Mathematics and Informatics, 2018, 33, 041.	0.1	0
14	Fuzzy relation equations and inequalities with two unknowns and their applications. Fuzzy Sets and Systems, 2017, 322, 86-105.	2.7	11
15	Conditions for Existence, Representations, and Computation of Matrix Generalized Inverses. Complexity, 2017, 2017, 1-27.	1.6	19
16	Moore-Penrose equations in involutive residuated semigroups and involutive quantales. Filomat, 2017, 31, 183-196.	0.5	4
17	Further improvements of determinization methods for fuzzy finite automata. Fuzzy Sets and Systems, 2016, 301, 79-102.	2.7	13
18	Determinization of Fuzzy Automata by Means of the Degrees of Language Inclusion. IEEE Transactions on Fuzzy Systems, 2015, 23, 2144-2153.	9.8	20

#	ARTICLE	IF	CITATIONS
19	Fuzzy relational inequalities and equations, fuzzy quasi-orders, closures and openings of fuzzy sets. Fuzzy Sets and Systems, 2015, 260, 1-24.	2.7	23
20	Reduction of fuzzy automata by means of fuzzy quasi-orders. Information Sciences, 2014, 275, 168-198.	6.9	28
21	Bisimulations for weighted automata over an additively idempotent semiring. Theoretical Computer Science, 2014, 534, 86-100.	0.9	31
22	Nondeterministic automata: Equivalence, bisimulations, and uniform relations. Information Sciences, 2014, 261, 185-218.	6.9	14
23	Brzowski type determinization for fuzzy automata. Fuzzy Sets and Systems, 2014, 249, 73-82.	2.7	17
24	Fuzzy relation equations and subsystems of fuzzy transition systems. Knowledge-Based Systems, 2013, 38, 48-61.	7.1	34
25	Fuzziness in Automata Theory: Why? How?. Studies in Fuzziness and Soft Computing, 2013, , 109-114.	0.8	4
26	Computation of the greatest simulations and bisimulations between fuzzy automata. Fuzzy Sets and Systems, 2012, 208, 22-42.	2.7	69
27	Bisimulations for fuzzy automata. Fuzzy Sets and Systems, 2012, 186, 100-139.	2.7	90
28	Weakly linear systems of fuzzy relation inequalities: The heterogeneous case. Fuzzy Sets and Systems, 2012, 199, 64-91.	2.7	18
29	Construction of fuzzy automata from fuzzy regular expressions. Fuzzy Sets and Systems, 2012, 199, 1-27.	2.7	19
30	Weakly linear systems of fuzzy relation inequalities and their applications: A brief survey. Filomat, 2012, 26, 207-241.	0.5	26
31	Boolean relation equations in data analysis. , 2011, , .		2
32	Congruence openings of additive Green's relations on a semiring. Semigroup Forum, 2011, 82, 437-454.	0.6	8
33	An improved algorithm for determinization of weighted and fuzzy automata. Information Sciences, 2011, 181, 1358-1368.	6.9	23
34	Semilattices of Archimedean Semigroups. , 2011, , .		3
35	Bands of k -Archimedean semigroups. Semigroup Forum, 2010, 80, 426-439.	0.6	3
36	Fuzzy relation equations and reduction of fuzzy automata. Journal of Computer and System Sciences, 2010, 76, 609-633.	1.2	56

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37	Myhill's Nerode type theory for fuzzy languages and automata. Fuzzy Sets and Systems, 2010, 161, 1288-1324.	2.7	71
38	On the greatest solutions to weakly linear systems of fuzzy relation inequalities and equations. Fuzzy Sets and Systems, 2010, 161, 3081-3113.	2.7	40
39	Formal power series and regular operations on fuzzy languages. Information Sciences, 2010, 180, 1104-1120.	6.9	24
40	Determinization of weighted finite automata over strong bimonoids. Information Sciences, 2010, 180, 3497-3520.	6.9	39
41	Bands of $\hat{\triangleright}$ -simple semigroups. Filomat, 2010, 24, 77-85.	0.5	2
42	Uniform fuzzy relations and fuzzy functions. Fuzzy Sets and Systems, 2009, 160, 1054-1081.	2.7	31
43	Fuzzy homomorphisms of algebras. Fuzzy Sets and Systems, 2009, 160, 2345-2365.	2.7	25
44	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
45	Effective subdirect decompositions of regular semigroups. Semigroup Forum, 2008, 77, 500-519.	0.6	3
46	Determinization of fuzzy automata with membership values in complete residuated lattices. Information Sciences, 2008, 178, 164-180.	6.9	86
47	Subdirect products of certain varieties of unary algebras. Czechoslovak Mathematical Journal, 2007, 57, 573-578.	0.3	0
48	Fuzzy equivalence relations and their equivalence classes. Fuzzy Sets and Systems, 2007, 158, 1295-1313.	2.7	47
49	Factorization of Fuzzy Automata. Lecture Notes in Computer Science, 2007, , 213-225.	1.3	14
50	Adjoint Mappings and Inverses of Matrices. Algebra Colloquium, 2006, 13, 421-432.	0.2	9
51	Parsing in different languages. Facta Universitatis - Series Electronics and Energetics, 2005, 18, 299-307.	0.9	2
52	Unary algebras, semigroups and congruences on free semigroups. Theoretical Computer Science, 2004, 324, 87-105.	0.9	4
53	Linear Equations and Regularity Conditions on Semigroups. Semigroup Forum, 2004, 69, 63-74.	0.6	2
54	Minimal forbidden subwords. Information Processing Letters, 2004, 92, 211-218.	0.6	1

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55	Semilattices of Nil-extensions of Simple Regular Semigroups. Algebra Colloquium, 2003, 10, 81-90.	0.2	3
56	GENERALIZED DIRECTABLE AUTOMATA. , 2003, , .		2
57	SEMIGROUPS SATISFYING CERTAIN REGULARITY CONDITIONS. , 2003, , .		1
58	Sums and Limits of Generalized Direct Families of Algebras. Southeast Asian Bulletin of Mathematics, 2001, 25, 47-60.	0.1	0
59	Semilattice Decompositions of Semigroups Revisited. Semigroup Forum, 2000, 61, 263-276.	0.6	5
60	The Five-Element Brandt Semigroup as a Forbidden Divisor. Semigroup Forum, 2000, 61, 363-372.	0.6	4
61	LOCALLY UNIFORMLY $\bar{\epsilon}$ -REGULAR SEMIGROUPS. , 2000, , .		0
62	SEMIGROUPS SATISFYING SOME VARIABLE IDENTITIES. , 2000, , .		0
63	Radicals of Green's relations. Czechoslovak Mathematical Journal, 1999, 49, 683-688.	0.3	3
64	Traps, Cores, Extensions and Subdirect Decompositions of Unary Algebras. Fundamenta Informaticae, 1999, 38, 51-60.	0.4	2
65	The Lattice of Semilattice-Matrix Decompositions of a Semigroup. Rocky Mountain Journal of Mathematics, 1999, 29, 1225.	0.4	1
66	The lattice of positive quasi-orders on a semigroup. Israel Journal of Mathematics, 1997, 98, 157-166.	0.8	4
67	Strong bands of groups of left quotients. Glasgow Mathematical Journal, 1996, 38, 237-242.	0.3	1
68	Semilattice decompositions of semigroups. Semigroup Forum, 1996, 52, 119-132.	0.6	14
69	Identities over the two-element alphabet. Semigroup Forum, 1996, 52, 365-379.	0.6	0
70	Orthogonal sums of 0- \bar{f} -simple semigroups. Acta Mathematica Hungarica, 1996, 70, 199-205.	0.5	0
71	Posets of \mathbb{C} -congruences. Algebra Universalis, 1996, 36, 423-424.	0.3	1
72	Orthogonal sums of semigroups. Israel Journal of Mathematics, 1995, 90, 423-428.	0.8	6

#	ARTICLE	IF	CITATIONS
73	Nil-extensions of unions of groups induced by identities. Semigroup Forum, 1994, 48, 303-311.	0.6	3
74	Decompositions of semigroups induced by identities. Semigroup Forum, 1993, 46, 329-346.	0.6	15
75	Spined products of some semigroups. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1993, 69, .	0.4	4
76	Normal band compositions of semigroups. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1993, 69, .	0.4	0
77	Retractive nil-extensions of regular semigroups, I. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1992, 68, .	0.4	5
78	Retractive nil-extensions of regular semigroups, II. Proceedings of the Japan Academy Series A: Mathematical Sciences, 1992, 68, .	0.4	6
79	Bisimulations in fuzzy social network analysis. , 0, , .		6
80	Regular fuzzy equivalences on multi-mode multi-relational fuzzy networks. , 0, , .		0