

# Mirko Navara

## List of Publications by Year in descending order

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78  
papers

1,149  
citations

430874

18  
h-index

434195

31  
g-index

84  
all docs

84  
docs citations

84  
times ranked

493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Residuated fuzzy logics with an involutive negation. <i>Archive for Mathematical Logic</i> , 2000, 39, 103-124.	0.3	150
2	Selection of Optimal Stopping Time for Nonlinear Diffusion Filtering. <i>International Journal of Computer Vision</i> , 2003, 52, 189-203.	15.6	135
3	A survey on different triangular norm-based fuzzy logics. <i>Fuzzy Sets and Systems</i> , 1999, 101, 241-251.	2.7	98
4	The Pasting Constructions for Orthomodular Posets. <i>Mathematische Nachrichten</i> , 1991, 154, 157-168.	0.8	52
5	Characterization of Measures Based on Strict Triangular Norms. <i>Journal of Mathematical Analysis and Applications</i> , 1999, 236, 370-383.	1.0	35
6	Fuzzy controllers with conditionally firing rules. <i>IEEE Transactions on Fuzzy Systems</i> , 2002, 10, 340-348.	9.8	34
7	An orthomodular lattice admitting no group-valued measure. <i>Proceedings of the American Mathematical Society</i> , 1994, 122, 7-12.	0.8	34
8	Almost Boolean orthomodular posets. <i>Journal of Pure and Applied Algebra</i> , 1989, 60, 105-111.	0.6	32
9	Fuzzy logics with an additional involutive negation. <i>Fuzzy Sets and Systems</i> , 2010, 161, 390-411.	2.7	32
10	QUANTUM LOGICS WITH JAUCH-PIRON STATES. <i>Quarterly Journal of Mathematics</i> , 1985, 36, 261-271.	0.8	28
11	Diagonals of continuous triangular norms. <i>Fuzzy Sets and Systems</i> , 1999, 104, 35-41.	2.7	27
12	Ts-Tribes and Ts-Measures. <i>Journal of Mathematical Analysis and Applications</i> , 1996, 201, 91-102.	1.0	23
13	Residuated logics based on strict triangular norms with an involutive negation. <i>Mathematical Logic Quarterly</i> , 2006, 52, 269-282.	0.2	23
14	Enlargements of quantum logics. <i>Pacific Journal of Mathematics</i> , 1988, 135, 361-369.	0.5	21
15	States on orthoalgebras. <i>International Journal of Theoretical Physics</i> , 1995, 34, 1439-1465.	1.2	20
16	A characterization of tribes with respect to the Āukasiewicz t-norm. <i>Czechoslovak Mathematical Journal</i> , 1997, 47, 689-700.	0.3	18
17	A Cantor-Bernstein Theorem for $\mathcal{I}f$ -Complete MV-Algebras. <i>Czechoslovak Mathematical Journal</i> , 2003, 53, 437-447.	0.3	18
18	Compactness of fuzzy logics. <i>Fuzzy Sets and Systems</i> , 2004, 143, 59-73.	2.7	16

#	ARTICLE	IF	CITATIONS
19	Triangular norms and measures of fuzzy sets. , 2005, , 345-390.		15
20	Subalgebras of Orthomodular Lattices. Order, 2011, 28, 549-563.	0.5	15
21	Constructions of quantum structures. , 2007, , 335-366.		14
22	CONSTRUCTION OF ORTHOMODULAR LATTICES WITH GIVEN STATE SPACES. Demonstratio Mathematica, 1988, 21, 481-494.	1.5	13
23	State space properties of finite logics. Czechoslovak Mathematical Journal, 1987, 37, 188-196.	0.3	12
24	Convexity conditions on t-norms and their additive generators. Fuzzy Sets and Systems, 2005, 151, 353-361.	2.7	10
25	Defuzzification using Steiner points. Fuzzy Sets and Systems, 2006, 157, 1455-1462.	2.7	10
26	Existence of states on quantum structures. Information Sciences, 2009, 179, 508-514.	6.9	10
27	Principles of inclusion and exclusion for fuzzy sets. Fuzzy Sets and Systems, 2013, 232, 98-109.	2.7	10
28	States on systems of sets that are closed under symmetric difference. Mathematische Nachrichten, 2015, 288, 1995-2000.	0.8	10
29	Two Descriptions of State Spaces of Orthomodular Structures. International Journal of Theoretical Physics, 1999, 38, 3163-3178.	1.2	9
30	Independence of automorphism group, center, and state space of quantum logics. International Journal of Theoretical Physics, 1992, 31, 925-935.	1.2	8
31	Principles of inclusion and exclusion for interval-valued fuzzy sets and IF-sets. Fuzzy Sets and Systems, 2017, 324, 60-73.	2.7	8
32	Two-valued measures on $\sigma$ -classes. ĀEasopis Pro PĀstovĀ;nĀ-Matematiky, 1983, 108, 225-229.	0.1	8
33	Small Quantum Structures with Small State Spaces. International Journal of Theoretical Physics, 2008, 47, 36-43.	1.2	7
34	Convex combinations of fuzzy logical operations. Fuzzy Sets and Systems, 2015, 264, 51-63.	2.7	7
35	P-measures on soft fuzzy Āf-algebras. Fuzzy Sets and Systems, 1993, 56, 123-126.	2.7	6
36	For $n \hat{=} 5$ There Is No Nontrivial Z2-Measure on $L(R_n)$ . International Journal of Theoretical Physics, 2004, 43, 1595-1598.	1.2	6

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37	Decidability in Orthomodular Lattices. <i>International Journal of Theoretical Physics</i> , 2005, 44, 2239-2248.	1.2	6
38	Associativity of operations on orthomodular lattices. <i>Mathematica Slovaca</i> , 2012, 62, 1069-1078.	0.6	6
39	Quantum logics representable as kernels of measures. <i>Czechoslovak Mathematical Journal</i> , 1996, 46, 587-597.	0.3	6
40	Yosida's Hewitt and Lebesgue Decompositions of States on Orthomodular Posets. <i>Journal of Mathematical Analysis and Applications</i> , 2001, 255, 74-104.	1.0	5
41	Sufficient triangular norms in many-valued logics with standard negation. <i>Archive for Mathematical Logic</i> , 2005, 44, 829-849.	0.3	5
42	States on symmetric logics: extensions. <i>Mathematica Slovaca</i> , 2016, 66, 359-366.	0.6	5
43	Different Representations of Fuzzy Vectors. <i>Lecture Notes in Computer Science</i> , 2009, , 700-711.	1.3	5
44	Quantum logics with the Radon-Nikodym property. <i>Order</i> , 1988, 4, 387-395.	0.5	4
45	Boolean representations of fuzzy quantum spaces. <i>Fuzzy Sets and Systems</i> , 1997, 87, 201-207.	2.7	4
46	Embeddings into Orthomodular Lattices with Given Centers, State Spaces and Automorphism Groups. <i>Order</i> , 2000, 17, 239-254.	0.5	4
47	Orthomodular lattices with rich state spaces. <i>Algebra Universalis</i> , 2000, 43, 1-30.	0.3	4
48	Perfect Pavelka Logic. <i>Fuzzy Sets and Systems</i> , 2016, 292, 396-410.	2.7	4
49	On the Radon-Nikodym property for $\mathcal{L}$ -classes. <i>Journal of Mathematical Physics</i> , 1983, 24, 1450-1450.	1.1	3
50	Characterization of T-measures. <i>Soft Computing</i> , 2003, 8, 44-50.	3.6	3
51	Weaker forms of associativity in orthomodular lattices. <i>Algebra Universalis</i> , 2015, 73, 249-266.	0.3	3
52	Quantum Logics of Idempotents of Unital Rings. <i>International Journal of Theoretical Physics</i> , 2015, 54, 1987-2000.	1.2	3
53	Boolean Subalgebras of Orthoalgebras. <i>Order</i> , 2019, 36, 563-609.	0.5	3
54	Generalised Kochen-Specker Theorem in Three Dimensions. <i>Foundations of Physics</i> , 2021, 51, 1.	1.3	3

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55	Uncertainty and Dependence in Classical and Quantum Logic "The Role of Triangular Norms. , 1999, , 249-261.		3
56	Alternative Proof of Mulholland's Theorem and New Solutions to Mulholland Inequality. , 2013, , .		2
57	Computer proof of monotonicity of operations on orthomodular lattices. Information Sciences, 2013, 236, 205-217.	6.9	2
58	Orthoalgebras as Pastings of Boolean Algebras. International Journal of Theoretical Physics, 2017, 56, 4126-4132.	1.2	2
59	Quantum Structures Without Group-Valued Measures. International Journal of Theoretical Physics, 2021, 60, 687-695.	1.2	2
60	ALGEBRAIC APPROACH TO FUZZY QUANTUM SPACES. Demonstratio Mathematica, 1994, 27, .	1.5	1
61	An algebraic generalization of the notion of tribe. Fuzzy Sets and Systems, 2012, 192, 123-133.	2.7	1
62	Formulas for generators of R-implications. Fuzzy Sets and Systems, 2019, 359, 80-89.	2.7	1
63	On Frink Ideals in Orthomodular Posets. Order, 2021, 38, 245-249.	0.5	1
64	Mathematical Aspects of Fuzzy Control. Lecture Notes in Computer Science, 2006, , 80-88.	1.3	1
65	Implementation of Calculating Steiner Point for 2-D Objects. , 2007, , .		1
66	Fuzzy implications satisfying convexity relations. , 2013, , .		1
67	Regularity and $\bar{f}$ -Additivity of States on Quantum Logics. Proceedings of the American Mathematical Society, 1992, 115, 427.	0.8	0
68	Quantum Logics with Given Centers and Variable State Spaces. International Journal of Theoretical Physics, 1998, 37, 139-145.	1.2	0
69	Piron's and Bell's Geometrical Lemmas. International Journal of Theoretical Physics, 2004, 43, 1587-1594.	1.2	0
70	Extending States on Finite Concrete Logics. International Journal of Theoretical Physics, 2005, 44, 1087-1093.	1.2	0
71	Mathematical Questions Related to Non-Existence of Hidden Variables. , 2009, , .		0
72	Characterization of Spaces of Filtering States. International Journal of Theoretical Physics, 2010, 49, 3209-3215.	1.2	0

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73	Reconstruction of Additive Generators from Partial Derivatives of Continuous Archimedean t-Norms. , 2010, , .		0
74	Sasaki projections. Algebra Universalis, 2017, 77, 305-320.	0.3	0
75	Imperfect information as a source of non-symmetry in the two envelope problem. International Journal of Approximate Reasoning, 2019, 112, 37-54.	3.3	0
76	Quantum Logics Defined by Divisibility Conditions. International Journal of Theoretical Physics, 2021, 60, 464-467.	1.2	0
77	Computation with fuzzy quantities. , 2011, , .		0
78	Continuous T-norms and T-conorms Satisfying the Principle of Inclusion and Exclusion. Advances in Intelligent Systems and Computing, 2013, , 179-186.	0.6	0