Mirko Navara

List of Publications by Year
in descending order

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	Quantum Logics Defined by Divisibility Conditions. International Journal of Theoretical Physics, 2021, 60, 464-467.	1.2	0
2	Quantum Structures Without Group-Valued Measures. International Journal of Theoretical Physics, 2021, 60, 687-695.	1.2	2
3	On Frink Ideals in Orthomodular Posets. Order, 2021, 38, 245-249.	0.5	1
4	Generalised Kochenâ€"Specker Theorem in Three Dimensions. Foundations of Physics, 2021, 51, 1.	1.3	3
5	Boolean Subalgebras of Orthoalgebras. Order, 2019, 36, 563-609.	0.5	3
6	Formulas for generators of R-implications. Fuzzy Sets and Systems, 2019, 359, 80-89.	2.7	1
7	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
8	Orthoalgebras as Pastings of Boolean Algebras. International Journal of Theoretical Physics, 2017, 56, 4126-4132.	1.2	2
9	Sasaki projections. Algebra Universalis, 2017, 77, 305-320.	0.3	0
10	Principles of inclusion and exclusion for interval-valued fuzzy sets and IF-sets. Fuzzy Sets and Systems, 2017, 324, 60-73.	2.7	8
11	Perfect Pavelka Logic. Fuzzy Sets and Systems, 2016, 292, 396-410.	2.7	4
12	States on symmetric logics: extensions. Mathematica Slovaca, 2016, 66, 359-366.	0.6	5
13	States on systems of sets that are closed under symmetric difference. Mathematische Nachrichten, 2015, 288, 1995-2000.	0.8	10
14	Weaker forms of associativity in orthomodular lattices. Algebra Universalis, 2015, 73, 249-266.	0.3	3
15	Convex combinations of fuzzy logical operations. Fuzzy Sets and Systems, 2015, 264, 51-63.	2.7	7
16	Quantum Logics of Idempotents of Unital Rings. International Journal of Theoretical Physics, 2015, 54, 1987-2000.	1.2	3
17	Principles of inclusion and exclusion for fuzzy sets. Fuzzy Sets and Systems, 2013, 232, 98-109.	2.7	10
18	Alternative Proof of Mulholland's Theorem and New Solutions to Mulholland Inequality. , 2013, , .		2

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19	Computer proof of monotonicity of operations on orthomodular lattices. Information Sciences, 2013, 236, 205-217.	6.9	2
20	Fuzzy implications satisfying convexity relations. , 2013, , .		1
21	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
22	Associativity of operations on orthomodular lattices. Mathematica Slovaca, 2012, 62, 1069-1078.	0.6	6
23	An algebraic generalization of the notion of tribe. Fuzzy Sets and Systems, 2012, 192, 123-133.	2.7	1
24	Subalgebras of Orthomodular Lattices. Order, 2011, 28, 549-563.	0.5	15
25	Computation with fuzzy quantities. , 2011, , .		0
26	Characterization of Spaces of Filtering States. International Journal of Theoretical Physics, 2010, 49, 3209-3215.	1.2	0
27	Fuzzy logics with an additional involutive negation. Fuzzy Sets and Systems, 2010, 161, 390-411.	2.7	32
28	Reconstruction of Additive Generators from Partial Derivatives of Continuous Archimedean t-Norms. , 2010, , .		0
29	Mathematical Questions Related to Non-Existence of Hidden Variables. , 2009, , .		0
30	Existence of states on quantum structures. Information Sciences, 2009, 179, 508-514.	6.9	10
31	Different Representations of Fuzzy Vectors. Lecture Notes in Computer Science, 2009, , 700-711.	1.3	5
32	Small Quantum Structures with Small State Spaces. International Journal of Theoretical Physics, 2008, 47, 36-43.	1.2	7
33	Constructions of quantum structures. , 2007, , 335-366.		14
34	Implementation of Calculating Steiner Point for 2-D Objects. , 2007, , .		1
35	Defuzzification using Steiner points. Fuzzy Sets and Systems, 2006, 157, 1455-1462.	2.7	10
36	Residuated logics based on strict triangular norms with an involutive negation. Mathematical Logic Quarterly, 2006, 52, 269-282.	0.2	23

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37	Mathematical Aspects of Fuzzy Control. Lecture Notes in Computer Science, 2006, , 80-88.	1.3	1
38	Sufficient triangular norms in many-valued logics with standard negation. Archive for Mathematical Logic, 2005, 44, 829-849.	0.3	5
39	Convexity conditions on t-norms and their additive generators. Fuzzy Sets and Systems, 2005, 151, 353-361.	2.7	10
40	Decidability in Orthomodular Lattices. International Journal of Theoretical Physics, 2005, 44, 2239-2248.	1.2	6
41	Triangular norms and measures of fuzzy sets. , 2005, , 345-390.		15
42	Extending States on Finite Concrete Logics. International Journal of Theoretical Physics, 2005, 44, 1087-1093.	1.2	0
43	Piron's and Bell's Geometrical Lemmas. International Journal of Theoretical Physics, 2004, 43, 1587-1594.	1.2	0
44	For n $\hat{A}$ 5 There Is No Nontrivial Z2-Measure on L(Rn). International Journal of Theoretical Physics, 2004, 43, 1595-1598.	1.2	6
45	Compactness of fuzzy logics. Fuzzy Sets and Systems, 2004, 143, 59-73.	2.7	16
46	A Cantor-Bernstein Theorem for Ïƒ-Complete MV-Algebras. Czechoslovak Mathematical Journal, 2003, 53, 437-447.	0.3	18
47	Selection of Optimal Stopping Time for Nonlinear Diffusion Filtering. International Journal of Computer Vision, 2003, 52, 189-203.	15.6	135
48	Characterization of T-measures. Soft Computing, 2003, 8, 44-50.	3.6	3
49	Fuzzy controllers with conditionally firing rules. IEEE Transactions on Fuzzy Systems, 2002, 10, 340-348.	9.8	34
50	Yosidaâ€"Hewitt and Lebesgue Decompositions of States on Orthomodular Posets. Journal of Mathematical Analysis and Applications, 2001, 255, 74-104.	1.0	5
51	Embeddings into Orthomodular Lattices with Given Centers, State Spaces and Automorphism Groups. Order, 2000, 17, 239-254.	0.5	4
52	Residuated fuzzy logics with an involutive negation. Archive for Mathematical Logic, 2000, 39, 103-124.	0.3	150
53	Orthomodular lattices with rich state spaces. Algebra Universalis, 2000, 43, 1-30.	0.3	4
54	A survey on different triangular norm-based fuzzy logics. Fuzzy Sets and Systems, 1999, 101, 241-251.	2.7	98

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55	Diagonals of continuous triangular norms. Fuzzy Sets and Systems, 1999, 104, 35-41.	2.7	27
56	Two Descriptions of State Spaces of Orthomodular Structures. International Journal of Theoretical Physics, 1999, 38, 3163-3178.	1.2	9
57	Characterization of Measures Based on Strict Triangular Norms. Journal of Mathematical Analysis and Applications, 1999, 236, 370-383.	1.0	35
58	Uncertainty and Dependence in Classical and Quantum Logic â€" The Role of Triangular Norms. , 1999, , 249-261.		3
59	Quantum Logics with Given Centers and Variable State Spaces. International Journal of Theoretical Physics, 1998, 37, 139-145.	1.2	0
60	A characterization of tribes with respect to the Åukasiewicz t-norm. Czechoslovak Mathematical Journal, 1997, 47, 689-700.	0.3	18
61	Boolean representations of fuzzy quantum spaces. Fuzzy Sets and Systems, 1997, 87, 201-207.	2.7	4
62	Ts-Tribes andTs-Measures. Journal of Mathematical Analysis and Applications, 1996, 201, 91-102.	1.0	23
63	Quantum logics representable as kernels of measures. Czechoslovak Mathematical Journal, 1996, 46, 587-597.	0.3	6
64	States on orthoalgebras. International Journal of Theoretical Physics, 1995, 34, 1439-1465.	1.2	20
65	ALGEBRAIC APPROACH TO FUZZY QUANTUM SPACES. Demonstratio Mathematica, 1994, 27, .	1.5	1
66	An orthomodular lattice admitting no group-valued measure. Proceedings of the American Mathematical Society, 1994, 122, 7-12.	0.8	34
67	P-measures on soft fuzzy Ïƒ-algebras. Fuzzy Sets and Systems, 1993, 56, 123-126.	2.7	6
68	Regularity and Ïƒ-Additivity of States on Quantum Logics. Proceedings of the American Mathematical Society, 1992, 115, 427.	0.8	0
69	Independence of automorphism group, center, and state space of quantum logics. International Journal of Theoretical Physics, 1992, 31, 925-935.	1.2	8
70	The Pasting Constructions for Orthomodular Posets. Mathematische Nachrichten, 1991, 154, 157-168.	0.8	52
71	Almost Boolean orthomodular posets. Journal of Pure and Applied Algebra, 1989, 60, 105-111.	0.6	32
72	Quantum logics with the Radon-Nikodym property. Order, 1988, 4, 387-395.	0.5	4

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73	CONSTRUCTION OF ORTHOMODULAR LATTICES WITH GIVEN STATE SPACES. Demonstratio Mathematica, 1988, 21, 481-494.	1.5	13
74	Enlargements of quantum logics. Pacific Journal of Mathematics, 1988, 135, 361-369.	0.5	21
75	State space properties of finite logics. Czechoslovak Mathematical Journal, 1987, 37, 188-196.	0.3	12
76	QUANTUM LOGICS WITH JAUCHâ€"PIRON STATES. Quarterly Journal of Mathematics, 1985, 36, 261-271.	0.8	28
77	On the Radonâ€"Nikodym property for Ïƒâ€classes. Journal of Mathematical Physics, 1983, 24, 1450-1450.	1.1	3
78	Two-valued measures on $sigma $-classes. ÄŒasopis Pro PÄ›stovÃ¡nÃ Matematiky, 1983, 108, 225-229.	0.1	8