

# Daniele Mundici

## List of Publications by Year in descending order

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71  
papers

2,513  
citations

430754

18  
h-index

197736

49  
g-index

80  
all docs

80  
docs citations

80  
times ranked

294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Algebraic Foundations of Many-Valued Reasoning. Trends in Logic, 2000, , .	0.2	700
2	Interpretation of AF $\hat{C}$ -algebras in Łukasiewicz sentential calculus. Journal of Functional Analysis, 1986, 65, 15-63.	0.7	616
3	Averaging the truth-value in Łukasiewicz logic. Studia Logica, 1995, 55, 113-127.	0.4	230
4	Tensor Products and the Loomis-Sikorski Theorem for MV-Algebras. Advances in Applied Mathematics, 1999, 22, 227-248.	0.4	91
5	A constructive proof of McNaughton's theorem in infinite-valued logic. Journal of Symbolic Logic, 1994, 59, 596-602.	0.4	70
6	Basic notions. Trends in Logic, 2000, , 7-30.	0.2	69
7	Bookmaking over infinite-valued events. International Journal of Approximate Reasoning, 2006, 43, 223-240.	1.9	64
8	De Finetti theorem and Borel states in $[0,1]$ -valued algebraic logic. International Journal of Approximate Reasoning, 2007, 46, 605-616.	1.9	64
9	Farey stellar subdivisions, ultrasimplicial groups, and KO of AF $\hat{C}$ -algebras. Advances in Mathematics, 1988, 68, 23-39.	0.5	50
10	Probability on MV-Algebras. , 2002, , 869-909.		50
11	Free products in the category of abelian l-groups with strong unit. Journal of Algebra, 1988, 113, 89-109.	0.4	41
12	Extending Stone duality to multisets and locally finite MV-algebras. Journal of Pure and Applied Algebra, 2004, 189, 37-59.	0.3	37
13	MV-algebras: a variety for magnitudes with archimedean units. Algebra Universalis, 2005, 53, 7-43.	0.2	35
14	An Elementary Proof of Chang's Completeness Theorem for the Infinite-valued Calculus of Łukasiewicz. Studia Logica, 1997, 58, 79-97.	0.4	29
15	Ulam Games, Łukasiewicz Logic, and AF $C^*$ -Algebras. Fundamenta Informaticae, 1993, 18, 151-161.	0.3	27
16	Logic of infinite quantum systems. International Journal of Theoretical Physics, 1993, 32, 1941-1955.	0.5	26
17	The Lebesgue state of a unital abelian lattice-ordered group. Journal of Group Theory, 2007, 10, .	0.2	26
18	The Haar theorem for lattice-ordered abelian groups with order-unit. Discrete and Continuous Dynamical Systems, 2008, 21, 537-549.	0.5	24

#	ARTICLE	IF	CITATIONS
19	Geometry of Robinson consistency in $\mathcal{A}$ ukasiewicz logic. <i>Annals of Pure and Applied Logic</i> , 2007, 147, 1-22.	0.3	20
20	Simple Bratteli diagrams with a Gdel-incomplete $C^*$ -equivalence problem. <i>Transactions of the American Mathematical Society</i> , 2003, 356, 1937-1955.	0.5	15
21	Lattice-ordered Abelian groups and Schauder bases of unimodular fans. <i>Transactions of the American Mathematical Society</i> , 2007, 359, 1593-1604.	0.5	13
22	Projective MV-algebras and rational polyhedra. <i>Algebra Universalis</i> , 2009, 62, 63-74.	0.2	13
23	RATIONAL POLYHEDRA AND PROJECTIVE LATTICE-ORDERED ABELIAN GROUPS WITH ORDER UNIT. <i>Communications in Contemporary Mathematics</i> , 2012, 14, 1250017.	0.6	13
24	Decidable and undecidable prime theories in infinite-valued logic. <i>Annals of Pure and Applied Logic</i> , 2001, 108, 269-278.	0.3	12
25	Interpretation of De Finetti coherence criterion in $\mathcal{A}$ ukasiewicz Logic. <i>Annals of Pure and Applied Logic</i> , 2009, 161, 235-245.	0.3	11
26	An Elementary Presentation of the Equivalence Between MV-algebras and l-groups With Strong Unit. <i>Studia Logica</i> , 1998, 61, 49-64.	0.4	10
27	Classifying orbits of the affine group over the integers. <i>Ergodic Theory and Dynamical Systems</i> , 2017, 37, 440-453.	0.4	10
28	Invariant Measure Under the Affine Group Over. <i>Combinatorics Probability and Computing</i> , 2014, 23, 248-268.	0.8	8
29	Word problems in Elliott monoids. <i>Advances in Mathematics</i> , 2018, 335, 343-371.	0.5	8
30	Compactness, interpolation and Friedman's third problem. <i>Annals of Mathematical Logic</i> , 1982, 22, 197-211.	0.7	7
31	A Characterization of the free n-generated MV-algebra. <i>Archive for Mathematical Logic</i> , 2006, 45, 239-247.	0.2	7
32	Gdel incompleteness in AF $C^*$ -algebras. <i>Forum Mathematicum</i> , 2008, 20, .	0.3	7
33	Finitely presented lattice-ordered abelian groups with order-unit. <i>Journal of Algebra</i> , 2011, 343, 1-10.	0.4	7
34	Revisiting the Farey AF Algebra. <i>Milan Journal of Mathematics</i> , 2011, 79, 643-656.	0.7	7
35	BouligandSeveri tangents in MV-algebras. <i>Revista Matemática Iberoamericana</i> , 2014, 30, 191-201.	0.4	7
36	Confluence and combinatorics in finitely generated unital lattice-ordered abelian groups. <i>Forum Mathematicum</i> , 2012, 24, .	0.3	6

#	ARTICLE	IF	CITATIONS
37	MV-Algebras and Abelian l-Groups: a Fruitful Interaction. <i>Developments in Mathematics</i> , 2002, , 57-88. Revisiting the free 2-generator abelian $\langle \text{mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="$	0.2	6
38	Journal of Pure and Applied	0.3	5
39	Finite axiomatizability in Łukasiewicz logic. <i>Annals of Pure and Applied Logic</i> , 2011, 162, 1035-1047.	0.3	4
40	Hopfian $\ell$ -groups, MV-algebras and AF- $\{C\}^*$ -algebras. <i>Forum Mathematicum</i> , 2016, 28, .	0.3	4
41	Coherence of de Finetti coherence. <i>Synthese</i> , 2017, 194, 4055-4063.	0.6	4
42	De Finetti coherence and the product law for independent events. <i>Synthese</i> , 2019, 196, 265-271.	0.6	4
43	Faithful and Invariant Conditional Probability in Łukasiewicz Logic. , 2009, , 213-232.		4
44	Free generating sets of lattice-ordered abelian groups. <i>Journal of Pure and Applied Algebra</i> , 2007, 211, 400-403.	0.3	3
45	Consequence and Interpolation in Łukasiewicz Logic. <i>Studia Logica</i> , 2011, 99, 269-278.	0.4	3
46	Interval MV-algebras and generalizations. <i>International Journal of Approximate Reasoning</i> , 2014, 55, 1623-1642.	1.9	3
47	Severi's Bouligand tangents, Frenet frames and Riesz spaces. <i>Advances in Applied Mathematics</i> , 2015, 64, 1-20.	0.4	3
48	Fans, decision problems and generators of free abelian $\hat{\ell}$ -groups. <i>Forum Mathematicum</i> , 2017, 29, .	0.3	3
49	WHAT THE ŁUKASIEWICZ AXIOMS MEAN. <i>Journal of Symbolic Logic</i> , 2020, 85, 906-917.	0.4	3
50	The Differential Semantics of Łukasiewicz Syntactic Consequence. <i>Outstanding Contributions To Logic</i> , 2015, , 143-157.	0.2	3
51	Bratteli diagrams via the De Concini-Procesi theorem. <i>Communications in Contemporary Mathematics</i> , 2021, 23, .	0.6	3
52	Polyhedral MV-algebras. <i>Fuzzy Sets and Systems</i> , 2016, 292, 150-159.	1.6	2
53	Many-Valued Points And Equality. <i>Synthese</i> , 2000, 125, 97-101.	0.6	1
54	From free abelian groups to free abelian $\hat{\ell}$ -groups. <i>Mathematica Slovaca</i> , 2011, 61, .	0.3	1

#	ARTICLE	IF	CITATIONS
55	Universal Properties of Łukasiewicz Consequence. Logica Universalis, 2014, 8, 17-24.	0.1	1
56	Idempotent endomorphisms of free MV-algebras and unital $\hat{\wedge}$ -groups. Journal of Pure and Applied Algebra, 2017, 221, 908-934.	0.3	1
57	Recognizing free generating sets of $\hat{\wedge}$ -groups. Algebra Universalis, 2018, 79, 1.	0.2	1
58	Betting on continuous independent events. Soft Computing, 2019, 23, 2289-2295.	2.1	1
59	Classifying $GL(n, \mathbb{Z})$ -orbits of points and rational subspaces. Discrete and Continuous Dynamical Systems, 2016, 36, 4723-4738.	0.5	1
60	A Geometric Approach to MV-Algebras. Studies in Fuzziness and Soft Computing, 2016, , 57-70.	0.6	1
61	Many-Valued Logic and Cognition: Foreword. Studia Logica, 2008, 90, 1-2.	0.4	0
62	The Euler characteristic and valuations on MV-algebras. Mathematica Slovaca, 2014, 64, .	0.3	0
63	Geminal theories in Łukasiewicz logic. Annals of Pure and Applied Logic, 2017, 168, 1132-1151.	0.3	0
64	Triangles in diophantine approximation. Journal of Number Theory, 2019, 201, 176-189.	0.2	0
65	Complete and computable orbit invariants in the geometry of the affine group over the integers. Annali Di Matematica Pura Ed Applicata, 2020, 199, 1843-1871.	0.5	0
66	Consequence Relations with Real Truth Values. Outstanding Contributions To Logic, 2021, , 249-264.	0.2	0
67	Rota's Fubini lectures: The first problem. Advances in Applied Mathematics, 2021, 125, 102153.	0.4	0
68	Rota, Probability, Algebra and Logic. , 2009, , 167-181.		0
69	Coherence of the Product Law for Independent Continuous Events. Trends in Logic, 2018, , 207-212.	0.2	0
70	Łukasiewicz Logic and Approximately Finite-Dimensional $C^*$ -Algebras. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 358, .	0.8	0
71	The read once formula of a series-parallel network. Discrete Applied Mathematics, 2022, 320, 304-310.	0.5	0