

# Michal Baczynski

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

875

citations

16

h-index

28

g-index

93

ext. papers

1,062

ext. citations

2.3

avg, IF

4.7

L-index

#	Paper	IF	Citations
68	On the Additional Properties of Fuzzy Polynomial Implications of Degree 4. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 182-193	0.3	0
67	Preservation of the Ordering Property Under the Quadratic Polynomial Construction of Fuzzy Implication Functions. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 194-205	0.3	0
66	On the Sheffer stroke operation in fuzzy logic. <i>Fuzzy Sets and Systems</i> , <b>2021</b> , 431, 110-110	3.7	0
65	An effective similarity measurement under epistemic uncertainty. <i>Fuzzy Sets and Systems</i> , <b>2021</b> , 431, 160-160	3.7	0
64	On the distributivity of fuzzy implications and the weighted S-implications. <i>International Journal of Approximate Reasoning</i> , <b>2021</b> , 136, 110-131	3.6	0
63	Fuzzy implications: alpha migrativity and generalised laws of importation. <i>Information Sciences</i> , <b>2020</b> , 531, 87-96	7.7	1
62	Some Remarks on Approximate Reasoning and Bandler-Kohout Subproduct. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 775-787	0.3	0
61	General Characterization of Implication's Distributivity Properties: The Preference Implication. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 2982-2995	8.3	3
60	Some properties of fuzzy implications based on copulas. <i>Information Sciences</i> , <b>2019</b> , 502, 1-17	7.7	2
59	Different Forms of Generalized Hypothetical Syllogism with Regard to R-Implications. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 304-313	0.9	2
58	Some Remarks on Generalized Hypothetical Syllogism and Yager's Implications. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 129-139	0.4	0
57	On some equation related to the distributivity laws of fuzzy implications. Jensen equation extended to the infinity. <i>Fuzzy Sets and Systems</i> , <b>2019</b> , 359, 95-111	3.7	0
56	A note on special fuzzy implications. <i>Fuzzy Sets and Systems</i> , <b>2019</b> , 359, 90-94	3.7	1
55	Fuzzy Boundary Weak Implications. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 611-622	0.3	0
54	Selected Properties of Generalized Hypothetical Syllogism Including the Case of R-implications. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 673-684	0.3	2
53	On Fuzzy Sheffer Stroke Operation. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 642-651	0.9	0
52	Monotonicity in the Construction of Ordinal Sums of Fuzzy Implications. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 189-199	0.4	1

51	Special and Inversely Special Properties of Fuzzy Implications. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 535-545	0.4	
50	Sheffer Stroke Fuzzy Implications. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 13-24	0.4	1
49	QL-operations and QL-implication functions constructed from tuples (O,G,N) and the generation of fuzzy subethood and entropy measures. <i>International Journal of Approximate Reasoning</i> , <b>2017</b> , 82, 170-192	3.6	67
48	Interval-valued implications and interval-valued strong equality index with admissible orders. <i>International Journal of Approximate Reasoning</i> , <b>2017</b> , 88, 91-109	3.6	35
47	Theoretical and Applicational Aspects of Fuzzy Implication Functions. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 7-8	0.4	
46	Fuzzy implications based on semicopulas. <i>Fuzzy Sets and Systems</i> , <b>2017</b> , 323, 138-151	3.7	7
45	New types of ordinal sum of fuzzy implications <b>2017</b> ,		2
44	Properties of the probabilistic implications and S-implications. <i>Information Sciences</i> , <b>2016</b> , 331, 2-14	7.7	9
43	About the Use of Admissible Order for Defining Implication Operators. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 353-362	0.3	4
42	Distributivity of Implication Functions over Decomposable Uninorms Generated from Representable Uninorms in Interval-Valued Fuzzy Sets Theory. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 411-422	0.3	
41	About the Use of Admissible Order for Defining Implication Operators. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 126-134	0.9	
40	Fuzzy Implications: Past, Present, and Future <b>2015</b> , 183-202		34
39	Distributivity equations of implications based on continuous triangular conorms (II). <i>Fuzzy Sets and Systems</i> , <b>2014</b> , 240, 86-102	3.7	10
38	Distributivity of implication operations over t-representable t-norms in interval-valued fuzzy set theory: The case of nilpotent t-norms. <i>Information Sciences</i> , <b>2014</b> , 257, 388-399	7.7	11
37	On distributivity equations of implications and contrapositive symmetry equations of implications. <i>Fuzzy Sets and Systems</i> , <b>2014</b> , 247, 81-91	3.7	6
36	On the Distributivity Equation $(\mathcal{I}(x, \mathcal{U}_1(y, z)) = \mathcal{U}_2(\mathcal{I}(x, y), \mathcal{I}(x, z)))$ for Decomposable Uninorms (in Interval-Valued Fuzzy Sets Theory) Generated from Conjunctive Representable Uninorms. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 26-37	0.9	1
35	Laws of Contraposition and Law of Importation for Probabilistic Implications and Probabilistic S-implications. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 158-167	0.3	2
34	Construction of strong equality index from implication operators. <i>Fuzzy Sets and Systems</i> , <b>2013</b> , 211, 15-33	3.7	23

33	On two distributivity equations for fuzzy implications and continuous, Archimedean t-norms and t-conorms. <i>Fuzzy Sets and Systems</i> , <b>2013</b> , 211, 34-54	3.7	16
32	R-implications and the exchange principle: The case of border continuous t-norms. <i>Fuzzy Sets and Systems</i> , <b>2013</b> , 224, 93-105	3.7	7
31	Some remarks on the distributive equation of fuzzy implication and the contrapositive symmetry for continuous, Archimedean t-norms. <i>International Journal of Approximate Reasoning</i> , <b>2013</b> , 54, 290-296	3.6	12
30	Aggregating fuzzy implications. <i>Information Sciences</i> , <b>2013</b> , 253, 126-146	7.7	20
29	On the Applications of Fuzzy Implication Functions. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 9-10	0.4	6
28	Fuzzy Implications: Some Recently Solved Problems. <i>Studies in Fuzziness and Soft Computing</i> , <b>2013</b> , 177-204	0.4	1
27	Functional Equations Involving Fuzzy Implications and Their Applications in Approximate Reasoning. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 3-4	0.4	
26	The Equation $(\mathcal{I})(\mathcal{S}(x,y),z) = \mathcal{T}(\mathcal{I}(x,z),\mathcal{I}(y,z))$ for t-representable t-conorms and t-norms Generated from Continuous, Archimedean Operations. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 131-138	0.9	2
25	A Survey of the Distributivity of Implications over Continuous T-norms and the Simultaneous Satisfaction of the Contrapositive Symmetry. <i>Studies in Fuzziness and Soft Computing</i> , <b>2013</b> , 53-72	0.7	
24	Distributive Equations of Implications Based on Continuous Triangular Norms (I). <i>IEEE Transactions on Fuzzy Systems</i> , <b>2012</b> , 20, 153-167	8.3	37
23	A Note on the Distributivity of Fuzzy Implications over Representable Uninorms. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 375-384	0.3	2
22	Distributivity of Implication Operations over T-Representable T-Norms Generated from Continuous and Archimedean T-Norms. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 501-510	0.3	2
21	Intersections between some families of (U,N)- and RU-implications. <i>Fuzzy Sets and Systems</i> , <b>2011</b> , 167, 30-44	3.7	11
20	Distributivity of Implication Operations over t-Representable T-Norms Generated from Nilpotent T-Norms. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 25-32	0.9	2
19	R-implications and the Exchange Principle:A Complete Characterization <b>2011</b> ,		2
18	On the distributive equation for t-representable t-norms generated from nilpotent and strict t-norms <b>2011</b> ,		2
17	QL-implications: Some properties and intersections. <i>Fuzzy Sets and Systems</i> , <b>2010</b> , 161, 158-188	3.7	45
16	On the distributivity of fuzzy implications over continuous and Archimedean triangular conorms. <i>Fuzzy Sets and Systems</i> , <b>2010</b> , 161, 1406-1419	3.7	34

15	On the distributivity of fuzzy implications over representable uninorms. <i>Fuzzy Sets and Systems</i> , <b>2010</b> , 161, 2256-2275	3.7	17
14	On the Distributivity of Fuzzy Implications over Continuous Archimedean Triangular Norms. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 3-10	0.9	2
13	On the Distributivity of Implication Operations over t-Representable t-Norms Generated from Strict t-Norms in Interval-Valued Fuzzy Sets Theory. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 637-646	0.3	7
12	(U,N)-implications and their characterizations. <i>Fuzzy Sets and Systems</i> , <b>2009</b> , 160, 2049-2062	3.7	55
11	On the Distributivity of Fuzzy Implications Over Nilpotent or Strict Triangular Conorms. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2009</b> , 17, 590-603	8.3	56
10	An Introduction to Fuzzy Implications. <i>Studies in Fuzziness and Soft Computing</i> , <b>2008</b> , 1-35	0.7	8
9	- and R-implications: A state-of-the-art survey. <i>Fuzzy Sets and Systems</i> , <b>2008</b> , 159, 1836-1859	3.7	99
8	Fuzzy Implications from Fuzzy Logic Operations. <i>Studies in Fuzziness and Soft Computing</i> , <b>2008</b> , 39-107	0.7	2
7	On the characterizations of $\rightarrow$ -implications. <i>Fuzzy Sets and Systems</i> , <b>2007</b> , 158, 1713-1727	3.7	63
6	Residual implications revisited. Notes on the SmetsMagrez Theorem. <i>Fuzzy Sets and Systems</i> , <b>2004</b> , 145, 267-277	3.7	62
5	CONTRAPOSITIVE SYMMETRY OF DISTRIBUTIVE FUZZY IMPLICATIONS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , <b>2002</b> , 10, 135-147	0.8	19
4	ON A CLASS OF DISTRIBUTIVE FUZZY IMPLICATIONS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , <b>2001</b> , 09, 229-238	0.8	33
3	Monotonic Fuzzy Implications. <i>Studies in Fuzziness and Soft Computing</i> , <b>2000</b> , 90-111	0.7	11
2	Characterization of Dienes Implication. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 299-305	0.9	
1	Conjugacy Classes of Fuzzy Implications. <i>Lecture Notes in Computer Science</i> , <b>1999</b> , 287-298	0.9	8