Michal HolÄ&apek

List of Publications by Year
in descending order

52 papers	522 citations	759233 12 h-index	713466 21 g-index
55 all docs	55 docs citations	55 times ranked	141 citing authors

#	Article	IF	Citations
1	Fuzzy quantifiers defined over fuzzy domains. Fuzzy Sets and Systems, 2022, 431, 39-69.	2.7	2
2	On ordinal sums of partially ordered monoids: A unified approach to ordinal sum constructions of t-norms, t-conorms and uninorms. Fuzzy Sets and Systems, 2022, 446, 4-25.	2.7	5
3	Quarterly sales analysis using linguistic fuzzy logic with weather data. Expert Systems With Applications, 2022, 203, 117345.	7.6	4
4	Analysis of autocorrelation function of stochastic processes by F-transform of higher degree. Soft Computing, 2021, 25, 7707-7730.	3.6	0
5	On an Application of Lattice-Valued Integral Transform to Multicriteria Decision Making. Studies in Computational Intelligence, 2021, , 137-149.	0.9	0
6	Qualitative Integrals on Dragonfly Algebras. , 2021, , .		1
7	Fuzzy Interpolation with Extensional Fuzzy Numbers. Symmetry, 2021, 13, 170.	2.2	1
8	A graded approach to cardinal theory of finite fuzzy sets, part II: Fuzzy cardinality measures and their relationship to graded equipollence. Fuzzy Sets and Systems, 2020, 380, 64-103.	2.7	1
9	F-Transform Inspired Weak Solution to a Boundary Value Problem. Axioms, 2020, 9, 5.	1.9	2
10	New construction of an ordinal sum of t-norms and t-conorms on bounded lattices. Information Sciences, 2020, 515, 116-131.	6.9	34
11	On the properties of orderings of extensional fuzzy numbers. , 2020, , .		1
12	On ordinal sums of t-norms and t-conorms on bounded posets. , 2020, , .		1
13	From arithmetics of extensional fuzzy numbers to their distances. , 2020, , .		1
14	Integral transforms on spaces of complete residuated lattice valued functions. , 2020, , .		4
15	Gold Price: Trend-Cycle Analysis Using Fuzzy Techniques. Communications in Computer and Information Science, 2020, , 254-266.	0.5	1
16	On Semantic Properties of Fuzzy Quantifiers over Fuzzy Universes: Restriction and Living on. Communications in Computer and Information Science, 2020, , 173-186.	0.5	1
17	On Integral Transforms for Residuated Lattice-Valued Functions. Communications in Computer and Information Science, 2020, , 318-331.	0.5	1
18	Orderings of Extensional Fuzzy Numbers. , 2019, , .		2

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19	Extensions of fuzzy relational compositions based on generalized quantifiers. Fuzzy Sets and Systems, 2018, 339, 73-98.	2.7	18
20	Polynomial alias higher degree fuzzy transform of complex-valued functions. Fuzzy Sets and Systems, 2018, 342, 1-31.	2.7	12
21	A Novel Approach to the Discrete Fuzzy Transform of Higher Degree. Communications in Computer and Information Science, 2018, , 151-162.	0.5	0
22	Higher Degree Fuzzy Transform: Application to Stationary Processes and Noise Reduction. Advances in Intelligent Systems and Computing, 2018, , 1-12.	0.6	5
23	Relativization of Fuzzy Quantifiers: InitialÂInvestigations. Advances in Intelligent Systems and Computing, 2018, , 670-683.	0.6	3
24	Multivariate fuzzy transform of complex-valued functions determined by monomial basis. Soft Computing, 2017, 21, 3641-3658.	3.6	11
25	On generalized quotient MI-groups. Fuzzy Sets and Systems, 2017, 326, 3-23.	2.7	4
26	Fuzzy objects in spaces with fuzzy partitions. Soft Computing, 2017, 21, 7269-7284.	3.6	19
27	Non-preservation of chosen properties of fuzzy relational compositions based on fuzzy quantifiers. , 2017, , .		2
28	A graded approach to cardinal theory of finite fuzzy sets, part I: Graded equipollence. Fuzzy Sets and Systems, 2016, 298, 158-193.	2.7	12
29	Quotient MI-groups. Fuzzy Sets and Systems, 2016, 283, 1-25.	2.7	7
30	A new reconstruction from the F-transform components. Fuzzy Sets and Systems, 2016, 288, 3-25.	2.7	34
31	Suppression of High Frequencies in Time Series Using Fuzzy Transform of Higher Degree. Communications in Computer and Information Science, 2016, , 705-716.	0.5	7
32	Adjoint Fuzzy Partition and Generalized Sampling Theorem. Communications in Computer and Information Science, 2016, , 459-469.	0.5	0
33	Type ã€ˆ1,1ã€‰ fuzzy quantifiers determined by fuzzy measures on residuated lattices. Part III. Extension, conservativity and extensionality. Fuzzy Sets and Systems, 2015, 271, 133-155.	2.7	5
34	Necessary and sufficient conditions for generalized uniform fuzzy partitions. Fuzzy Sets and Systems, 2015, 277, 97-121.	2.7	32
35	Discrete fuzzy transform of higher degree. , 2014, , .		10
36	MI-algebras: A new framework for arithmetics of (extensional) fuzzy numbers. Fuzzy Sets and Systems, 2014, 257, 102-131.	2.7	19

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37	Type ã€ˆ1,1ã€‰ fuzzy quantifiers determined by fuzzy measures on residuated lattices. Part I. Basic definitions and examples. Fuzzy Sets and Systems, 2014, 242, 31-55.	2.7	13
38	Type fuzzy quantifiers determined by fuzzy measures defined on residuated lattices. Part II. Permutation and isomorphism invariances. Fuzzy Sets and Systems, 2014, 242, 56-88.	2.7	7
39	Filtering out high frequencies in time series using F-transform. Information Sciences, 2014, 274, 192-209.	6.9	55
40	Fuzzy Relational Compositions Based on Generalized Quantifiers. Communications in Computer and Information Science, 2014, , 224-233.	0.5	13
41	Noise reduction in time series using F-transform. , 2013, , .		4
42	Analysis of stationary processes using fuzzy transform. , 2013, , .		3
43	An application of an n-dimensional fuzzy smoothing filter in financial modeling. , 2012, , .		4
44	Fuzzy measures and integrals defined on algebras of fuzzy subsets over complete residuated lattices. Information Sciences, 2012, 185, 205-229.	6.9	26
45	A Characterization of Fuzzy Integrals Invariant with Respect to Permutation Groups. Communications in Computer and Information Science, 2012, , 208-217.	0.5	0
46	A smoothing filter based on fuzzy transform. Fuzzy Sets and Systems, 2011, 180, 69-97.	2.7	33
47	On monotonicity of type &#x3008;1,1&#x3009; fuzzy quantifiers determined by fuzzy measures. , 2011, , .		0
48	Type 〈1, 1〉 fuzzy quantifiers determined by fuzzy measures. , 2010, , .		4
49	Fuzzy Measure Spaces Generated by Fuzzy Sets. Communications in Computer and Information Science, 2010, , 490-499.	0.5	2
50	The category of MV-pairs. Logic Journal of the IGPL, 2009, 17, 395-412.	1.5	3
51	L-fuzzy quantifiers of type determined by fuzzy measures. Fuzzy Sets and Systems, 2009, 160, 3425-3452.	2.7	58
52	Monadic L-fuzzy quantifiers of the type. Fuzzy Sets and Systems, 2008, 159, 1811-1835.	2.7	34