Gleb Beliakov

List of Publications by Year
in descending order

229 papers	4,840 citations	117625 34 h-index	128289 60 g-index
242 all docs	242 docs citations	242 times ranked	2036 citing authors

#	Article	IF	Citations
1	A Practical Guide to Averaging Functions. Studies in Fuzziness and Soft Computing, 2016, , .	0.8	264
2	On averaging operators for Atanassov's intuitionistic fuzzy sets. Information Sciences, 2011, 181, 1116-1124.	6.9	253
3	Recent Developments in the Ordered Weighted Averaging Operators: Theory and Practice. Studies in Fuzziness and Soft Computing, 2011, , .	0.8	237
4	Generalized Bonferroni mean operators in multi-criteria aggregation. Fuzzy Sets and Systems, 2010, 161, 2227-2242.	2.7	187
5	Aggregation functions based on penalties. Fuzzy Sets and Systems, 2010, 161, 1420-1436.	2.7	149
6	Weakly Monotonic Averaging Functions. International Journal of Intelligent Systems, 2015, 30, 144-169.	5.7	111
7	Robust Histogram Shape-Based Method for Image Watermarking. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 717-729.	8.3	109
8	Construction of aggregation functions from data using linear programming. Fuzzy Sets and Systems, 2009, 160, 65-75.	2.7	102
9	How to build aggregation operators from data. International Journal of Intelligent Systems, 2003, 18, 903-923.	5.7	100
10	Appropriate choice of aggregation operators in fuzzy decision support systems. IEEE Transactions on Fuzzy Systems, 2001, 9, 773-784.	9.8	96
11	Uncertainties with Atanassov's intuitionistic fuzzy sets: Fuzziness and lack of knowledge. Information Sciences, 2013, 228, 61-74.	6.9	86
12	A review of the relationships between implication, negation and aggregation functions from the point of view of material implication. Information Sciences, 2016, 329, 357-380.	6.9	78
13	Learning Weights in the Generalized OWA Operators. Fuzzy Optimization and Decision Making, 2005, 4, 119-130.	5.5	77
14	Construction of image reduction operators using averaging aggregation functions. Fuzzy Sets and Systems, 2015, 261, 87-111.	2.7	74
15	A class of fuzzy multisets with a fixed number of memberships. Information Sciences, 2012, 189, 1-17.	6.9	73
16	Citation-based journal ranks: The use of fuzzy measures. Fuzzy Sets and Systems, 2011, 167, 101-119.	2.7	72
17	Interval-Valued Fuzzy Sets Applied to Stereo Matching of Color Images. IEEE Transactions on Image Processing, 2011, 20, 1949-1961.	9.8	68
18	On extending generalized Bonferroni means to Atanassov orthopairs in decision making contexts. Fuzzy Sets and Systems, 2013, 211, 84-98.	2.7	68

#	Article	IF	Citations
19	OWA Operators in Regression Problems. IEEE Transactions on Fuzzy Systems, 2010, 18, 106-113.	9.8	65
20	Learning Choquet-Integral-Based Metrics for Semisupervised Clustering. IEEE Transactions on Fuzzy Systems, 2011, 19, 562-574.	9.8	65
21	Protection of Privacy in Biometric Data. IEEE Access, 2016, 4, 880-892.	4.2	65
22	Aggregation for Atanassovâ€™s Intuitionistic and Interval Valued Fuzzy Sets: The Median Operator. IEEE Transactions on Fuzzy Systems, 2012, 20, 487-498.	9.8	62
23	Consensus in multi-expert decision making problems using penalty functions defined over a Cartesian product of lattices. Information Fusion, 2014, 17, 56-64.	19.1	62
24	Interpolation of Lipschitz functions. Journal of Computational and Applied Mathematics, 2006, 196, 20-44.	2.0	57
25	Consensus measures constructed from aggregation functions and fuzzy implications. Knowledge-Based Systems, 2014, 55, 1-8.	7.1	56
26	Image Reduction Using Means on Discrete Product Lattices. IEEE Transactions on Image Processing, 2012, 21, 1070-1083.	9.8	53
27	On the definition of penalty functions in data aggregation. Fuzzy Sets and Systems, 2017, 323, 1-18.	2.7	51
28	Learning fuzzy measures from data: Simplifications and optimisation strategies. Information Sciences, 2019, 494, 100-113.	6.9	48
29	Vector valued similarity measures for Atanassovâ€™s intuitionistic fuzzy sets. Information Sciences, 2014, 280, 352-367.	6.9	47
30	Monotonicity Preserving Approximation of Multivariate Scattered Data. BIT Numerical Mathematics, 2005, 45, 653-677.	2.0	45
31	Discriminating DDoS attack traffic from flash crowd through packet arrival patterns. , 2011, , .		45
32	Image Magnification Using Interval Information. IEEE Transactions on Image Processing, 2011, 20, 3112-3123.	9.8	45
33	Nonadditivity index and capacity identification method in the context of multicriteria decision making. Information Sciences, 2018, 467, 398-406.	6.9	44
34	Generalization of the weighted voting method using penalty functions constructed via faithful restricted dissimilarity functions. European Journal of Operational Research, 2013, 225, 472-478.	5.7	40
35	Averaging aggregation functions for preferences expressed as Pythagorean membership grades and fuzzy orthopairs. , 2014, , .		40
36	A construction method of Atanassov's intuitionistic fuzzy sets for image processing. , 2010, , .		39

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37	FITTING GENERATED AGGREGATION OPERATORS TO EMPIRICAL DATA. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2004, 12, 219-236.	1.9	37
38	Patchwork-Based Multilayer Audio Watermarking. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 2176-2187.	5.8	35
39	MONOTONE APPROXIMATION OF AGGREGATION OPERATORS USING LEAST SQUARES SPLINES. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2002, 10, 659-676.	1.9	34
40	Density based fuzzy c-means clustering of non-convex patterns. European Journal of Operational Research, 2006, 173, 717-728.	5.7	33
41	Three types of monotonicity of averaging functions. Knowledge-Based Systems, 2014, 72, 114-122.	7.1	31
42	Fast Algorithm for the Cutting Angle Method of Global Optimization. Journal of Global Optimization, 2002, 24, 149-161.	1.8	29
43	Nonmodularity index for capacity identifying with multiple criteria preference information. Information Sciences, 2019, 492, 164-180.	6.9	29
44	Weak monotonicity of Lehmer and Gini means. Fuzzy Sets and Systems, 2016, 299, 26-40.	2.7	27
45	Discrete Fuzzy Measures. Studies in Fuzziness and Soft Computing, 2020, , .	0.8	27
46	Cutting angle method â€" a tool for constrained global optimization. Optimization Methods and Software, 2004, 19, 137-151.	2.4	26
47	Fuzzy logic in clinical practice decision support systems. , 0, , .		25
48	Classical Averaging Functions. Studies in Fuzziness and Soft Computing, 2016, , 55-99.	0.8	24
49	Probabilistic bipartition interaction index of multiple decision criteria associated with the nonadditivity of fuzzy measures. International Journal of Intelligent Systems, 2019, 34, 247-270.	5.7	24
50	Definition of general aggregation operators through similarity relations. Fuzzy Sets and Systems, 2000, 114, 437-453.	2.7	23
51	Geometry and combinatorics of the cutting angle method. Optimization, 2003, 52, 379-394.	1.7	23
52	Improving the speed and stability of the k-nearest neighbors method. Pattern Recognition Letters, 2012, 33, 1296-1301.	4.2	23
53	Texture recognition by using GLCM and various aggregation functions. , 2008, , .		22
54	Stability of weighted penalty-based aggregation functions. Fuzzy Sets and Systems, 2013, 226, 1-18.	2.7	22

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55	On the weak monotonicity of Gini means and other mixture functions. Information Sciences, 2015, 300, 70-84.	6.9	22
56	Least squares splines with free knots: global optimization approach. Applied Mathematics and Computation, 2004, 149, 783-798.	2.2	20
57	The median and its extensions. Fuzzy Sets and Systems, 2011, 175, 36-47.	2.7	20
58	POINTWISE CONSTRUCTION OF LIPSCHITZ AGGREGATION OPERATORS WITH SPECIFIC PROPERTIES. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2007, 15, 193-223.	1.9	19
59	K-Complex Detection Using a Hybrid-Synergic Machine Learning Method. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1478-1490.	2.9	19
60	Consistency and stability in aggregation operators: An application to missing data problems. International Journal of Computational Intelligence Systems, 2014, 7, 595.	2.7	19
61	Implementation of novel methods of global and nonsmooth optimization: GANSO programming library. Optimization, 2007, 56, 543-546.	1.7	18
62	Nonadditive robust ordinal regression with nonadditivity index and multiple goal linear programming. International Journal of Intelligent Systems, 2019, 34, 1732-1752.	5.7	18
63	Solving DC programs using the cutting angle method. Journal of Global Optimization, 2015, 61, 71-89.	1.8	17
64	Aggregation of Preferences in Recommender Systems. , 2011, , 705-734.		17
65	Analysis of inhomogeneous optical systems by the use of ray tracing I Planar systems. Applied Optics, 1997, 36, 5303.	2.1	16
66	Approaches to learning strictly-stable weights for data with missing values. Fuzzy Sets and Systems, 2017, 325, 97-113.	2.7	16
67	On some properties of weighted averaging with variable weights. Information Sciences, 2014, 281, 1-7.	6.9	15
68	Characterizing Compactness of Geometrical Clusters Using Fuzzy Measures. IEEE Transactions on Fuzzy Systems, 2015, 23, 1030-1043.	9.8	15
69	Supervised Learning to Aggregate Data With the Sugeno Integral. IEEE Transactions on Fuzzy Systems, 2019, 27, 810-815.	9.8	15
70	On representation of fuzzy measures for learning Choquet and Sugeno integrals. Knowledge-Based Systems, 2020, 189, 105134.	7.1	15
71	(S,N)-Implications on Bounded Lattices. Studies in Fuzziness and Soft Computing, 2013, , 101-124.	0.8	15
72	Fuzzy sets and membership functions based on probabilities. Information Sciences, 1996, 91, 95-111.	6.9	14

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73	A construction method of interval-valued Fuzzy Sets for image processing. , 2011, , .		14
74	Best-possible bounds on the set of copulas with given degree of non-exchangeability. Journal of Mathematical Analysis and Applications, 2014, 417, 451-468.	1.0	14
75	Extension of bivariate means to weighted means of several arguments by using binary trees. Information Sciences, 2016, 331, 137-147.	6.9	14
76	Choquet integral optimisation with constraints and the buoyancy property for fuzzy measures. Information Sciences, 2021, 578, 22-36.	6.9	14
77	Desynchronization Attacks Resilient Watermarking Method Based on Frequency Singular Value Coefficient Modification. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2282-2295.	5.8	14
78	Fuzzy logic for decision support in chronic care. Artificial Intelligence in Medicine, 2001, 21, 209-213.	6.5	13
79	Computing of high breakdown regression estimators without sorting on graphics processing units. Computing (Vienna/New York), 2012, 94, 433-447.	4.8	13
80	Aggregation functions and contradictory information. Fuzzy Sets and Systems, 2012, 191, 41-61.	2.7	13
81	Approximation of Riemannâ€™s Zeta Function by Finite Dirichlet Series: A Multiprecision Numerical Approach. Experimental Mathematics, 2015, 24, 150-161.	0.7	13
82	Cardinality-limiting extended pre-aggregation functions. Information Fusion, 2021, 76, 66-74.	19.1	13
83	Weakly Monotone Averaging Functions. Communications in Computer and Information Science, 2014, , 364-373.	0.5	13
84	Construction of aggregation operators for automated decision making via optimal interpolation and global optimization. Journal of Industrial and Management Optimization, 2007, 3, 193-208.	1.3	13
85	A Characterization Theorem for t-Representable n-Dimensional Triangular Norms. Advances in Intelligent and Soft Computing, 2011, , 103-112.	0.2	13
86	Application of Rank Correlation, Clustering and Classification in Information Security. Journal of Networks, 2012, 7, .	0.4	13
87	Knapsack problems with dependencies through non-additive measures and Choquet integral. European Journal of Operational Research, 2022, 301, 277-286.	5.7	13
88	APPROXIMATE REASONING AND INTERPRETATION OF LABORATORY TESTS IN MEDICAL DIAGNOSTICS. Cybernetics and Systems, 1995, 26, 713-729.	2.5	12
89	On Lipschitz properties of generated aggregation functions. Fuzzy Sets and Systems, 2010, 161, 1437-1447.	2.7	12
90	DETECTING K-COMPLEXES FOR SLEEP STAGE IDENTIFICATION USING NONSMOOTH OPTIMIZATION. ANZIAM Journal, 2011, 52, 319-332.	0.2	12

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91	A penalty-based aggregation operator for non-convex intervals. Knowledge-Based Systems, 2014, 70, 335-344.	7.1	12
92	Comparing Apples and Oranges: The Weighted OWA Function. International Journal of Intelligent Systems, 2018, 33, 1089-1108.	5.7	12
93	Mixture functions and their monotonicity. Information Sciences, 2019, 481, 520-549.	6.9	12
94	On the interpretation of certainty factors in expert systems. Artificial Intelligence in Medicine, 1996, 8, 1-14.	6.5	11
95	Challenges of continuous global optimization in molecular structure prediction. European Journal of Operational Research, 2007, 181, 1198-1213.	5.7	11
96	Derivative-free optimization and neural networks for robust regression. Optimization, 2012, 61, 1467-1490.	1.7	11
97	A Choquet Integral Toolbox and Its Application in Customer Preference Analysis. , 2014, , 247-272.		11
98	Idempotent Weighted Aggregation Based on Binary Aggregation Trees. International Journal of Intelligent Systems, 2017, 32, 31-50.	5.7	11
99	Aggregation and consensus for preference relations based on fuzzy partial orders. Fuzzy Optimization and Decision Making, 2017, 16, 409-428.	5.5	11
100	Robustifying OWA Operators for Aggregating Data With Outliers. IEEE Transactions on Fuzzy Systems, 2018, 26, 1823-1832.	9.8	11
101	k-minitive capacities and k-minitive aggregation functions. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2797-2808.	1.4	11
102	Learning k-maxitive fuzzy measures from data by mixed integer programming. Fuzzy Sets and Systems, 2021, 412, 41-52.	2.7	11
103	Some Averaging Functions in Image Reduction. Lecture Notes in Computer Science, 2010, , 399-408.	1.3	11
104	Non-smooth optimization methods for computation of the Conditional Value-at-risk and portfolio optimization. Optimization, 2006, 55, 459-479.	1.7	10
105	Construction of Aggregation Operators With Noble Reinforcement. IEEE Transactions on Fuzzy Systems, 2007, 15, 1209-1218.	9.8	10
106	Induced Ordered Weighted Averaging Operators. Studies in Fuzziness and Soft Computing, 2011, , 29-47.	0.8	10
107	Aggregating fuzzy implications to measure group consensus. , 2013, , .		10
108	Using aggregation functions to model human judgements of species diversity. Information Sciences, 2015, 306, 21-33.	6.9	10

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109	DC optimization for constructing discrete Sugeno integrals and learning nonadditive measures. Optimization, 2020, 69, 2515-2534.	1.7	10
110	Towards sophisticated decision models: Nonadditive robust ordinal regression for preference modeling. Knowledge-Based Systems, 2020, 190, 105351.	7.1	10
111	On Random Generation of Supermodular Capacities. IEEE Transactions on Fuzzy Systems, 2022, 30, 293-296.	9.8	10
112	Shape preserving splines in constructing WOWA operators:. Fuzzy Sets and Systems, 2001, 121, 549-550.	2.7	9
113	Color image reduction by minimizing penalty functions. , 2012, , .		9
114	Using Linear Programming for Weights Identification of Generalized Bonferroni Means in R. Lecture Notes in Computer Science, 2012, , 35-44.	1.3	9
115	Unifying approaches to consensus across different preference representations. Applied Soft Computing Journal, 2015, 35, 888-897.	7.2	9
116	Measuring traffic congestion: An approach based on learning weighted inequality, spread and aggregation indices from comparison data. Applied Soft Computing Journal, 2018, 67, 910-919.	7.2	9
117	Aggregation on ordinal scales with the Sugeno integral forÂbiomedical applications. Information Sciences, 2019, 501, 377-387.	6.9	9
118	Random generation of capacities and its application in comprehensive decision aiding. Information Sciences, 2021, 577, 424-435.	6.9	9
119	Random generation of k-interactive capacities. Fuzzy Sets and Systems, 2022, 430, 48-55.	2.7	9
120	Analysis of inhomogeneous optical systems by the use of ray tracing II Three-dimensional systems with symmetry. Applied Optics, 1998, 37, 5106.	2.1	8
121	Aggregation Functions for Recommender Systems. , 2015, , 777-808.		8
122	Penalty-Based and Other Representations of Economic Inequality. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2016, 24, 1-23.	1.9	8
123	Review of Aggregation Functions. Studies in Fuzziness and Soft Computing, 2016, , 1-53.	0.8	8
124	A new type of fuzzy integrals for decision making based on bivariate symmetric means. International Journal of Intelligent Systems, 2018, 33, 1660-1671.	5.7	8
125	Predicting molecular structures: an application of the cutting angle method. Physical Chemistry Chemical Physics, 2003, 5, 3884.	2.8	7
126	Absorbent tuples of aggregation operators. Fuzzy Sets and Systems, 2007, 158, 1675-1691.	2.7	7

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127	Using Choquet integrals for kNN approximation and classification. , 2008, , .		7
128	Image reduction with local reduction operators. , 2010, , .		7
129	Global non-smooth optimization in robust multivariate regression. Optimization Methods and Software, 2013, 28, 124-138.	2.4	7
130	A parallel algorithm for calculation of determinants and minors using arbitrary precision arithmetic. BIT Numerical Mathematics, 2016, 56, 33-50.	2.0	7
131	Marginal contribution representation of capacityâ€based multicriteria decision making. International Journal of Intelligent Systems, 2020, 35, 373-400.	5.7	7
132	k-order representative capacity. Journal of Intelligent and Fuzzy Systems, 2020, 38, 3105-3115.	1.4	7
133	Choquet integralâ€based measures of economic welfare and species diversity. International Journal of Intelligent Systems, 2022, 37, 2849-2867.	5.7	7
134	Robust Blockchain-Based Cross-Platform Audio Copyright Protection System Using Content-Based Fingerprint. Lecture Notes in Computer Science, 2020, , 201-212.	1.3	7
135	A Method of Introducing Weights into OWA Operators and Other Symmetric Functions. Studies in Computational Intelligence, 2017, , 37-52.	0.9	7
136	Negations Generated by Bounded Lattices t-Norms. Communications in Computer and Information Science, 2012, , 326-335.	0.5	7
137	Universal nonuniform random vector generator based on acceptance-rejection. ACM Transactions on Modeling and Computer Simulation, 2005, 15, 205-232.	0.8	6
138	A Review of Applications of the Cutting Angle Methods. , 2005, , 209-248.		6
139	Fitting fuzzy measures by linear programming. Programming library fmtools. , 2008, , .		6
140	Bounded lower subdifferentiability optimization techniques: applications. Journal of Global Optimization, 2010, 47, 211-231.	1.8	6
141	Non-monotone averaging aggregation. , 2011, , .		6
142	Fitting Aggregation Functions to Data: Part I - Linearization and Regularization. Communications in Computer and Information Science, 2016, , 767-779.	0.5	6
143	Aggregation with dependencies: Capacities and fuzzy integrals. Fuzzy Sets and Systems, 2022, 446, 222-232.	2.7	6
144	Aggregation of Interacting Criteria in Land Combat Vehicle Selection by Using Fuzzy Measures. IEEE Transactions on Fuzzy Systems, 2022, 30, 3979-3989.	9.8	6

#	Article	IF	Citations
145	Numerical evaluation of the Luneburg integral and ray tracing. Applied Optics, 1996, 35, 1011.	2.1	5
146	Handling of neutral information by aggregation operators. Fuzzy Sets and Systems, 2007, 158, 861-880.	2.7	5
147	Construction of k-Lipschitz Triangular Norms and Conorms From Empirical Data. IEEE Transactions on Fuzzy Systems, 2009, 17, 1217-1220.	9.8	5
148	Representing images by means of interval-valued fuzzy sets. Application to stereo matching. , 2011, , .		5
149	Defining Bonferroni means over lattices. , 2012, , .		5
150	A Generalization of the Bonferroni Mean based on partitions. , 2013, , .		5
151	Implicit averaging functions. Information Sciences, 2017, 417, 96-112.	6.9	5
152	Density-based clustering using approximate natural neighbours. Applied Soft Computing Journal, 2019, 85, 105867.	7.2	5
153	Matrix Representation of Capacity-Based Multicriteria Decision Analysis. IEEE Access, 2019, 7, 185543-185553.	4.2	5
154	The axiomatic characterisations of non-modularity index. International Journal of General Systems, 2020, 49, 675-688.	2.5	5
155	On the extended set of weights of the *OWA* functions. International Journal of General Systems, 2020, 49, 355-373.	2.5	5
156	Averaging Functions. , 2007, , 39-122.		5
157	Fitting triangular norms to empirical data. , 2005, , 261-272.		5
158	Aggregation operators as similarity relations. , 2000, , 331-341.		5
159	On Penalty-Based Aggregation Functions and Consensus. Studies in Fuzziness and Soft Computing, 2011, , 23-40.	0.8	5
160	Reconstruction of optical characteristics of waveguide lenses by the use of ray tracing. Applied Optics, 1994, 33, 3401.	2.1	4
161	Fuzzy measures of pixel cluster compactness. , 2014, , .		4
162	Fitting Aggregation Functions to Data: Part II - Idempotization. Communications in Computer and Information Science, 2016, , 780-789.	0.5	4

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163	Robust image denoising and smoothing with generalised spatial-tonal averages. , 2017, , .		4
164	Hierarchical data fusion processes involving the MÃ¶bius representation of capacities. Fuzzy Sets and Systems, 2022, 433, 1-21.	2.7	4
165	Global Optimisation of Neural Networks Using a Deterministic Hybrid Approach. , 2002, , 79-92.		4
166	Fuzzy gating and the problem of screening. Artificial Intelligence in Medicine, 1996, 8, 377-385.	6.5	3
167	Methods of construction of OWA operators from data. , 0, , .		3
168	Parallelization of the Discrete Gradient Method of Non-smooth Optimization and Its Applications. Lecture Notes in Computer Science, 2003, , 592-601.	1.3	3
169	Class library ranlip for multivariate nonuniform random variate generation. Computer Physics Communications, 2005, 170, 93-108.	7.5	3
170	A fuzzy decision support method for customer preferences analysis based on Choquet Integral. , 2012, , .		3
171	Can indices of ecological evenness be used to measure consensus?. , 2014, , .		3
172	Fuzzy Connectives for Efficient Image Reduction and Speeding Up Image Analysis. IEEE Access, 2018, 6, 68403-68414.	4.2	3
173	Density estimates on the unit simplex and calculation of the mode of a sample. International Journal of Intelligent Systems, 2020, 35, 850-868.	5.7	3
174	On the derivatives of set functions in matrix representation. Information Sciences, 2021, 546, 469-480.	6.9	3
175	Efficient Serial and Parallel Implementations of the Cutting Angle Method. Applied Optimization, 2003, , 57-74.	0.4	3
176	Least Median of Squares (LMS) andÂLeast Trimmed Squares (LTS) Fitting forÂthe Weighted Arithmetic Mean. Communications in Computer and Information Science, 2018, , 367-378.	0.5	3
177	Restricted dissimilarity functions and penalty functions. , 2011, , .		3
178	Iterative Construction of Hierarchical Classifiers for Phishing Website Detection. Journal of Networks, 2014, 9, .	0.4	3
179	Image Reduction Using Fuzzy Quantifiers. Advances in Intelligent and Soft Computing, 2011, , 351-362.	0.2	3
180	Pre-adjustment Based Anti-collusion Mechanism for Audio Signals. Lecture Notes in Computer Science, 2019, , 305-319.	1.3	3

#	ARTICLE	IF	CITATIONS
181	Reduction of variables and constraints in fitting antibuoyant fuzzy measures to data using linear programming. Fuzzy Sets and Systems, 2022, 451, 266-284.	2.7	3
182	Mixed-initiative Decision Support for Care Planning Based on Clinical Practice Guidelines. Journal of Decision Systems, 2001, 10, 429-448.	3.2	2
183	Smoothing Lipschitz functions. Optimization Methods and Software, 2007, 22, 901-916.	2.4	2
184	Brain MRI thresholding using incomparability and overlap functions. , 2011, , .		2
185	Learning aggregation weights from 3-tuple comparison sets. , 2013, , .		2
186	An efficient implementation of Bailey and Borwein's algorithm for parallel random number generation on graphics processing units. Computing (Vienna/New York), 2013, 95, 309-326.	4.8	2
187	Construction and aggregation of preference relations based on fuzzy partial orders. , 2015, , .		2
188	Parallel bucket sorting on graphics processing units based on convex optimization. Optimization, 2015, 64, 1033-1055.	1.7	2
189	Robust fitting for the Sugeno integral with respect to general fuzzy measures. Information Sciences, 2020, 514, 449-461.	6.9	2
190	Best-possible bounds on the set of copulas with a given value of Spearman's footrule. Fuzzy Sets and Systems, 2022, 428, 138-152.	2.7	2
191	Robust aggregation of compositional and interval-valued data: The mode on the unit simplex. Fuzzy Sets and Systems, 2022, 446, 124-143.	2.7	2
192	Value and Interaction Indices. Studies in Fuzziness and Soft Computing, 2020, , 55-73.	0.8	2
193	Linear Optimization for Ecological Indices Based on Aggregation Functions. Communications in Computer and Information Science, 2016, , 411-422.	0.5	2
194	Approximation of Membership Functions and Aggregation Operators Using Splines. Studies in Fuzziness and Soft Computing, 2002, , 159-172.	0.8	2
195	Fast Computation of Trimmed Means. Journal of Statistical Software, 2011, 39, .	3.7	2
196	Single-Preference Consensus Measures Based on Models of Ecological Evenness. Lecture Notes in Computer Science, 2014, , 50-59.	1.3	2
197	Other Types of Aggregation and Additional Properties. , 2007, , 297-304.		2
198	Numerical construction of membership functions and aggregation operators from empirical data. , 2000, , .		1

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199	Guest Editorial Foreword to the Special Issue on Aggregation Operators. IEEE Transactions on Fuzzy Systems, 2007, 15, 1030-1031.	9.8	1
200	Optimization and Aggregation Functions. Studies in Fuzziness and Soft Computing, 2010, , 77-108.	0.8	1
201	Robust OWA-based aggregation for data with outliers. , 2016, , .		1
202	Multicriteria correlation preference information (MCCPI) with nonadditivity index for decision aiding. Journal of Intelligent and Fuzzy Systems, 2020, 39, 3441-3452.	1.4	1
203	Comprehensive nonmodularity and interaction indices for decision analysis. Journal of Intelligent and Fuzzy Systems, 2021, 40, 10671-10685.	1.4	1
204	Biased experts and similarity based weights in preferences aggregation. , 0, , .		1
205	Averages on Lattices. Studies in Fuzziness and Soft Computing, 2016, , 305-345.	0.8	1
206	Choice and Construction of Aggregation Functions. , 2007, , 261-269.		1
207	Fuzzy clustering of nonconvex patterns using global optimization. , 0, , .		0
208	Special issue of *Optimization*, dedicated to the development of the ideas of the late Prof. A. Rubinov. Optimization, 2009, 58, 479-481.	1.7	0
209	Efficient implementation of Bailey and Borwein pseudo-random number generator based on normal numbers. Computer Physics Communications, 2013, 184, 1999-2004.	7.5	0
210	A high embedding capacity image watermarking method with rank-based embedder and decoder. , 2016, , .		0
211	On the fast Lanczos method for computation of eigenvalues of Hankel matrices using multiprecision arithmetics. Numerical Linear Algebra With Applications, 2016, 23, 485-500.	1.6	0
212	Non-monotone Averages. Studies in Fuzziness and Soft Computing, 2016, , 251-304.	0.8	0
213	Ordered Weighted Averaging. Studies in Fuzziness and Soft Computing, 2016, , 101-144.	0.8	0
214	Fitting Sugeno integral for learning fuzzy measures using PAVA isotone regression. International Journal of Intelligent Systems, 2019, 34, 2863-2871.	5.7	0
215	The Mode of Interval-Valued Data. , 2019, , .		0
216	Fuzzy Integrals. Studies in Fuzziness and Soft Computing, 2020, , 89-133.	0.8	0

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217	Method of Ideal Solution in Fuzzy Set Theory and Multicriteria Decision Making. Lecture Notes in Computer Science, 2000, , 794-794.	1.3	0
218	A New Method for Locating the Global Optimum: Application of the Cutting Angle Method to Molecular Structure Prediction. Lecture Notes in Computer Science, 2003, , 1040-1049.	1.3	0
219	On the Median and Its Extensions. Lecture Notes in Computer Science, 2010, , 435-444.	1.3	0
220	Potential Applications of Discrete-event Simulation and Fuzzy Rule-based Systems to Structural Reliability and Availability. Springer Series in Reliability Engineering, 2010, , 199-214.	0.5	0
221	Color Image Magnification with Interval-Valued Fuzzy Sets. Advances in Intelligent and Soft Computing, 2011, , 313-324.	0.2	0
222	One Image Reduction Algorithm for RGB Color Images. , 2011, , .		0
223	CONSTRUCTION OF STRONG EQUALITY INDEX FROM IMPLICATION OPERATORS. World Scientific Proceedings Series on Computer Engingeering and Information Science, 2012, , 769-774.	0.1	0
224	On the use of restricted dissimilarity and dissimilarity-like functions for defining penalty functions. , 2013, , .		0
225	Penalty Based Averages. Studies in Fuzziness and Soft Computing, 2016, , 183-205.	0.8	0
226	More Types of Averaging and Construction Methods. Studies in Fuzziness and Soft Computing, 2016, , 207-250.	0.8	0
227	Directional and Ordered Directional Monotonicity of Mixture Functions. Advances in Intelligent Systems and Computing, 2018, , 96-105.	0.6	0
228	Representations. Studies in Fuzziness and Soft Computing, 2020, , 75-87.	0.8	0
229	Interpolatory Type Aggregation Functions. , 2007, , 271-296.		0