

Humberto Bustince

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.

371
papers

12,164
citations

58
h-index

103
g-index

410
ext. papers

14,700
ext. citations

4.4
avg, IF

6.77
L-index

#	Paper	IF	Citations
371	Unsymmetrical basic uncertain information with some decision-making methods. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-7	1.6	1
370	Positron Emission Tomography Image Segmentation Based on Atanassov's Intuitionistic Fuzzy Sets. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4865	2.6	0
369	Application and Comparison of CC-Integrals in Business Group Decision Making. <i>Lecture Notes in Business Information Processing</i> , 2022 , 129-148	0.6	
368	On Construction Methods of (Interval-Valued) General Grouping Functions. <i>Communications in Computer and Information Science</i> , 2022 , 359-371	0.3	
367	Fuzzy Clustering to Encode Contextual Information in Artistic Image Classification. <i>Communications in Computer and Information Science</i> , 2022 , 355-366	0.3	
366	The Evolution of the Notion of Overlap Functions. <i>Studies in Fuzziness and Soft Computing</i> , 2021 , 21-29	0.7	1
365	Extension of restricted equivalence functions and similarity measures for type-2 fuzzy sets. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	1
364	Abstract homogeneous functions and Consistently influenced/disturbed multi-expert decision making. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	0
363	Neuro-inspired edge feature fusion using Choquet integrals. <i>Information Sciences</i> , 2021 , 581, 740-754	7.7	3
362	New Type of Equivalence Measure for Atanassov Intuitionistic Fuzzy Setting. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 13-23	0.4	
361	OWA aggregation with dual preferences for basic uncertain information. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 4535-4544	1.6	2
360	Interval-valued equivalence measures respecting uncertainty in image processing. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 2767-2796	8.4	0
359	Unsupervised Cell Segmentation and Labelling in Neural Tissue Images. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3733	2.6	1
358	A cohesion-driven consensus reaching process for large scale group decision making under a hesitant fuzzy linguistic term sets environment. <i>Computers and Industrial Engineering</i> , 2021 , 155, 107158	6.4	19
357	A wrapper methodology to learn interval-valued fuzzy rule-based classification systems. <i>Applied Soft Computing Journal</i> , 2021 , 104, 107249	7.5	10
356	A fusion method for multi-valued data. <i>Information Fusion</i> , 2021 , 71, 1-10	16.7	1
355	d-Choquet integrals: Choquet integrals based on dissimilarities. <i>Fuzzy Sets and Systems</i> , 2021 , 414, 1-27	3.7	9

354	Affine construction methodology of aggregation functions. <i>Fuzzy Sets and Systems</i> , 2021 , 414, 146-164	3.7	1
353	Sugeno integral generalization applied to improve adaptive image binarization. <i>Information Fusion</i> , 2021 , 68, 37-45	16.7	8
352	Ordered directional monotonicity in the construction of edge detectors. <i>Fuzzy Sets and Systems</i> , 2021 , 421, 111-132	3.7	2
351	The Null Space of Fuzzy Inclusion Measures. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 641-648	8.3	
350	Some bipolar-preferences-involved aggregation methods for a sequence of OWA weight vectors. <i>Soft Computing</i> , 2021 , 25, 895-902	3.5	1
349	Interval-valued aggregation functions based on Moderate deviations applied to Motor-Imagery-Based Brain Computer Interface. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	0
348	. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 1-1	8.3	6
347	Motor-Imagery-Based Brain-Computer Interface Using Signal Derivation and Aggregation Functions. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	3
346	On Admissible Orders on the Set of Discrete Fuzzy Numbers for Application in Decision Making Problems. <i>Mathematics</i> , 2021 , 9, 95	2.3	1
345	GnIOWA operators and some weights allocation methods with their properties. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 2367-2386	8.4	2
344	Strategies on admissible total orders over typical hesitant fuzzy implications applied to decision making problems. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 2144-2182	8.4	6
343	A survey on matching strategies for boundary image comparison and evaluation. <i>Pattern Recognition</i> , 2021 , 115, 107883	7.7	1
342	Some Methods for Yager Preference Involved Aggregations in Multi-Criteria and Multi-Sources Evaluation. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2021 , 29, 587-602	6.8	1
341	On the role of distance transformations in Baddeley's Delta Metric. <i>Information Sciences</i> , 2021 , 569, 479-495		
340	Towards interval uncertainty propagation control in bivariate aggregation processes and the introduction of width-limited interval-valued overlap functions. <i>Fuzzy Sets and Systems</i> , 2021 ,	3.7	2
339	A fuzzy methodology for approaching fuzzy sets of the real line by fuzzy numbers. <i>Fuzzy Sets and Systems</i> , 2021 ,	3.7	1
338	A fuzzy association rule-based classifier for imbalanced classification problems. <i>Information Sciences</i> , 2021 , 577, 265-279	7.7	4
337	Aggregation functions on n-dimensional ordered vectors equipped with an admissible order and an application in multi-criteria group decision-making. <i>International Journal of Approximate Reasoning</i> , 2021 , 137, 34-50	3.6	1

336	Axiomatization and construction of orness measures for aggregation functions. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 2208-2228	8.4	2
335	Generalized decomposition integral. <i>Information Sciences</i> , 2020 , 538, 415-427	7.7	2
334	Multidimensional Fuzzy Sets. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	3
333	General interval-valued overlap functions and interval-valued overlap indices. <i>Information Sciences</i> , 2020 , 527, 27-50	7.7	27
332	Unsupervised Fuzzy Measure Learning for Classifier Ensembles From Coalitions Performance. <i>IEEE Access</i> , 2020 , 8, 52288-52305	3.5	0
331	Dissimilarity Based Choquet Integrals. <i>Communications in Computer and Information Science</i> , 2020 , 565-573		
330	Enhancing the Efficiency of the Interval-Valued Fuzzy Rule-Based Classifier with Tuning and Rule Selection. <i>Communications in Computer and Information Science</i> , 2020 , 463-478	0.3	
329	A Fuzzy Reasoning Method Based on Ensembles of Generalizations of the Choquet Integral. <i>Lecture Notes in Computer Science</i> , 2020 , 187-200	0.9	1
328	Interval Subsethood Measures with Respect to Uncertainty for the Interval-Valued Fuzzy Setting. <i>International Journal of Computational Intelligence Systems</i> , 2020 , 13, 167	3.4	7
327	An Alternative to Power Measure for Fuzzy Rule-Based Classification Systems. <i>Lecture Notes in Computer Science</i> , 2020 , 231-244	0.9	
326	General Grouping Functions. <i>Communications in Computer and Information Science</i> , 2020 , 481-495	0.3	4
325	FUZZ-EQ: A data equalizer for boosting the discrimination power of fuzzy classifiers. <i>Applied Soft Computing Journal</i> , 2020 , 93, 106399	7.5	3
324	Learning ordered pooling weights in image classification. <i>Neurocomputing</i> , 2020 , 411, 45-53	5.4	3
323	Weak and directional monotonicity of functions on Riesz spaces to fuse uncertain data. <i>Fuzzy Sets and Systems</i> , 2020 , 386, 145-160	3.7	13
322	A proposal of the notions of ordered and strengthened ordered directional monotonicity for interval-valued functions based on admissible orders 2020 ,		1
321	On admissible orders over closed subintervals of $[0,1]$. <i>Fuzzy Sets and Systems</i> , 2020 , 399, 44-54	3.7	5
320	General Interval-valued Grouping Functions 2020 ,		1
319	Generalizing the GMC-RTOPSIS Method using CT-integral Pre-aggregation Functions 2020 ,		5

318	Aggregation of individual rankings through fusion functions: criticism and optimality analysis. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	0
317	A proposal for tuning the (alpha) parameter in (C_{alpha }C)-integrals for application in fuzzy rule-based classification systems. <i>Natural Computing</i> , 2020 , 19, 533-546	1.3	16
316	On some classes of directionally monotone functions. <i>Fuzzy Sets and Systems</i> , 2020 , 386, 161-178	3.7	7
315	. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 163-177	8.3	18
314	Generalized CF1F2-integrals: From Choquet-like aggregation to ordered directionally monotone functions. <i>Fuzzy Sets and Systems</i> , 2020 , 378, 44-67	3.7	32
313	Similarity between interval-valued fuzzy sets taking into account the width of the intervals and admissible orders. <i>Fuzzy Sets and Systems</i> , 2020 , 390, 23-47	3.7	23
312	The state-of-art of the generalizations of the Choquet integral: From aggregation and pre-aggregation to ordered directionally monotone functions. <i>Information Fusion</i> , 2020 , 57, 27-43	16.7	48
311	A Generalization of the Choquet Integral Defined in Terms of the MBius Transform. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 2313-2319	8.3	6
310	A Unified View of Different Axiomatic Measures Defined on \mathcal{L} -Fuzzy Sets. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 1878-1886	8.3	1
309	Interval-valued pre-aggregation functions: a study of directional monotonicity of interval-valued functions 2019 ,		5
308	A Hierarchically γ -Decomposable Fuzzy Measure-Based Approach for Fuzzy Rules Aggregation. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2019 , 27, 59-76	0.8	1
307	Orness for real m-dimensional interval-valued OWA operators and its application to determine a good partition. <i>International Journal of General Systems</i> , 2019 , 48, 843-860	2.1	2
306	Width-Based Interval-Valued Distances and Fuzzy Entropies. <i>IEEE Access</i> , 2019 , 7, 14044-14057	3.5	6
305	Similarity measures, penalty functions, and fuzzy entropy from new fuzzy subsethood measures. <i>International Journal of Intelligent Systems</i> , 2019 , 34, 1281-1302	8.4	5
304	Simulating the Behaviour of Choquet-Like (pre) Aggregation Functions for Image Resizing in the Pooling Layer of Deep Learning Networks. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 224-236 ^{0.4}		6
303	Local Properties of Strengthened Ordered Directional and Other Forms of Monotonicity. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 33-43	0.4	1
302	Moderate deviation and restricted equivalence functions for measuring similarity between data. <i>Information Sciences</i> , 2019 , 501, 19-29	7.7	4
301	A New Axiomatic Approach to Interval-Valued Entropy. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 3-12	0.4	

300	Description and Properties of Curve-Based Monotone Functions. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 195-204	0.4	
299	Interval-Valued (E_N)-functions and Similarity Measures. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 140-150	0.4	
298	On Some Generalizations of the Choquet Integral. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 151-159	0.4	0
297	Curve-based monotonicity: a generalization of directional monotonicity. <i>International Journal of General Systems</i> , 2019 , 48, 523-553	2.1	4
296	Restricted Similarity Functions, Distances and Entropies with Intervals Using Total Orders. <i>Lecture Notes in Computer Science</i> , 2019 , 432-442	0.9	
295	Strengthened ordered directionally monotone functions. Links between the different notions of monotonicity. <i>Fuzzy Sets and Systems</i> , 2019 , 357, 151-172	3.7	14
294	General overlap functions. <i>Fuzzy Sets and Systems</i> , 2019 , 372, 81-96	3.7	30
293	From Fuzzy Sets to Interval-Valued and Atanassov Intuitionistic Fuzzy Sets: A Unified View of Different Axiomatic Measures. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 362-371	8.3	19
292	Combination of features through weighted ensembles for image classification. <i>Applied Soft Computing Journal</i> , 2019 , 84, 105698	7.5	0
291	An Evolutionary UnderBagging Approach to Tackle the Survival Prediction of Trauma Patients: A Case Study at the Hospital of Navarre. <i>IEEE Access</i> , 2019 , 7, 76009-76021	3.5	4
290	Gravitational Clustering Algorithm Generalization by Using an Aggregation of Masses in Newton Law. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 172-182	0.4	
289	Pointwise directional increasingness and geometric interpretation of directionally monotone functions. <i>Information Sciences</i> , 2019 , 501, 236-247	7.7	1
288	Equivalence measures for Atanassov intuitionistic fuzzy setting used to algorithm of image processing 2019 ,		6
287	Analyzing the performance of different fuzzy measures with generalizations of the Choquet integral in classification problems 2019 ,		5
286	Nested formulation paradigms for induced ordered weighted averaging aggregation for decision-making and evaluation. <i>International Journal of Intelligent Systems</i> , 2019 , 34, 3046-3057	8.4	4
285	On the Influence of Admissible Orders in IVOVO. <i>Lecture Notes in Computer Science</i> , 2019 , 358-369	0.9	
284	On the Influence of Interval Normalization in IVOVO Fuzzy Multi-class Classifier. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 44-57	0.4	
283	OWA Operators Based on Admissible Permutations 2019 ,		1

282	On D-implications derived by grouping functions 2019 ,		5
281	The law of O-conditionality for fuzzy implications constructed from overlap and grouping functions. <i>International Journal of Approximate Reasoning</i> , 2019 , 105, 27-48	3.6	26
280	. <i>IEEE Computational Intelligence Magazine</i> , 2019 , 14, 96-106	5.6	28
279	Mixture functions and their monotonicity. <i>Information Sciences</i> , 2019 , 481, 520-549	7.7	10
278	. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1638-1647	8.3	12
277	Improving the Performance of Fuzzy Rule-Based Classification Systems Based on a Nonaveraging Generalization of CC-Integrals Named $\$C_{\{F_1, F_2\}}$ -Integrals. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 124-134	8.3	39
276	Hyperspectral imaging using notions from type-2 fuzzy sets. <i>Soft Computing</i> , 2019 , 23, 1779-1793	3.5	3
275	CHI-PG: A fast prototype generation algorithm for Big Data classification problems. <i>Neurocomputing</i> , 2018 , 287, 22-33	5.4	12
274	Application of two different methods for extending lattice-valued restricted equivalence functions used for constructing similarity measures on L-fuzzy sets. <i>Information Sciences</i> , 2018 , 441, 95-112	7.7	12
273	CF-integrals: A new family of pre-aggregation functions with application to fuzzy rule-based classification systems. <i>Information Sciences</i> , 2018 , 435, 94-110	7.7	74
272	Two novel methodologies for considering aggregation functions by implicit equations and minimization problems. <i>European Journal of Operational Research</i> , 2018 , 270, 670-681	5.6	3
271	Self-adapting weighted operators for multiscale gradient fusion. <i>Information Fusion</i> , 2018 , 44, 136-146	16.7	10
270	Three Categories of Set-Valued Generalizations From Fuzzy Sets to Interval-Valued and Atanassov Intuitionistic Fuzzy Sets. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3112-3121	8.3	5
269	Dualities in the class of extended Boolean functions. <i>Fuzzy Sets and Systems</i> , 2018 , 332, 78-92	3.7	6
268	Negations With Respect to Admissible Orders in the Interval-Valued Fuzzy Set Theory. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 556-568	8.3	27
267	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 487-503	8.3	11
266	Consensus via penalty functions for decision making in ensembles in fuzzy rule-based classification systems. <i>Applied Soft Computing Journal</i> , 2018 , 67, 728-740	7.5	40
265	Convolution lattices. <i>Fuzzy Sets and Systems</i> , 2018 , 335, 67-93	3.7	9

264	CHI-BD: A fuzzy rule-based classification system for Big Data classification problems. <i>Fuzzy Sets and Systems</i> , 2018 , 348, 75-101	3.7	36
263	Analyzing the Behavior of Aggregation and Pre-aggregation Functions in Fuzzy Rule-Based Classification Systems with Data Complexity Measures. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 443-455	0.4	1
262	Two-step Algorithm for Image Inpainting. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 302-313	0.4	
261	Fuzzy Edge Detection on Hyperspectral Images Using Upper and Lower Operators. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 417-429	0.4	
260	Orness measurements for lattice m-dimensional interval-valued OWA operators. <i>Applied Mathematics and Computation</i> , 2018 , 339, 63-80	2.7	1
259	Consensus Image Feature Extraction with Ordered Directionally Monotone Functions. <i>Communications in Computer and Information Science</i> , 2018 , 155-166	0.3	0
258	Image Feature Extraction Using OD-Monotone Functions. <i>Communications in Computer and Information Science</i> , 2018 , 266-277	0.3	
257	Learning Fuzzy Measures for Aggregation in Fuzzy Rule-Based Models. <i>Lecture Notes in Computer Science</i> , 2018 , 114-127	0.9	0
256	Strengthened Ordered Directional and Other Generalizations of Monotonicity for Aggregation Functions. <i>Communications in Computer and Information Science</i> , 2018 , 416-426	0.3	0
255	T-Overlap Functions: A Generalization of Bivariate Overlap Functions by t-Norms. <i>Communications in Computer and Information Science</i> , 2018 , 479-489	0.3	0
254	Penalty-Based Functions Defined by Pre-aggregation Functions. <i>Communications in Computer and Information Science</i> , 2018 , 403-415	0.3	3
253	CMin-Integral: A Choquet-Like Aggregation Function Based on the Minimum t-Norm for Applications to Fuzzy Rule-Based Classification Systems. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 83-95	0.4	7
252	Edge Detection Based on Ordered Directionally Monotone Functions. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 301-307	0.4	2
251	A Study of Different Families of Fusion Functions for Combining Classifiers in the One-vs-One Strategy. <i>Communications in Computer and Information Science</i> , 2018 , 427-440	0.3	1
250	Directional and Ordered Directional Monotonicity of Mixture Functions. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 96-105	0.4	
249	A Generalization of the Gravitational Search Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 162-171	0.4	
248	A Gravitational Approach to Image Smoothing. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 468-479	0.4	4
247	Optimized Fuzzy Transform for Image Compression. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 118-128	0.4	3

246	Gradient Fusion Operators for Vector-Valued Image Processing. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 430-442	0.4	
245	A New Extension of Monotonicity: Ordered Directional Monotonicity. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 295-305	0.4	1
244	Modifying the gravitational search algorithm: A functional study. <i>Information Sciences</i> , 2018 , 430-431, 87-103	7.7	6
243	Interval-valued fuzzy strong S-subsethood measures, interval-entropy and P-interval-entropy. <i>Information Sciences</i> , 2018 , 432, 97-115	7.7	14
242	Penalty Function in Optimization Problems: A Review of Recent Developments. <i>Studies in Fuzziness and Soft Computing</i> , 2018 , 275-287	0.7	2
241	Applying aggregation and pre-aggregation functions in the classification of grape berries 2018 ,		2
240	Dynamic ensemble selection for multi-class classification with one-class classifiers. <i>Pattern Recognition</i> , 2018 , 83, 34-51	7.7	38
239	New measures for comparing matrices and their application to image processing. <i>Applied Mathematical Modelling</i> , 2018 , 61, 498-520	4.5	9
238	Aggregation Operators in Fuzzy Sets 2018 , 1-11		
237	Ordered Directionally Monotone Functions: Justification and Application. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 2237-2250	8.3	30
236	Using the Choquet Integral in the Pooling Layer in Deep Learning Networks. <i>Communications in Computer and Information Science</i> , 2018 , 144-154	0.3	9
235	QL-operations and QL-implication functions constructed from tuples (O,G,N) and the generation of fuzzy subsethood and entropy measures. <i>International Journal of Approximate Reasoning</i> , 2017 , 82, 170-192	3.6	67
234	An algorithm for group decision making using n-dimensional fuzzy sets, admissible orders and OWA operators. <i>Information Fusion</i> , 2017 , 37, 126-131	16.7	31
233	Baddeley's Delta metric for local contrast computation in hyperspectral imagery. <i>Progress in Artificial Intelligence</i> , 2017 , 6, 121-132	4	8
232	From quantitative to qualitative orness for lattice OWA operators. <i>International Journal of General Systems</i> , 2017 , 46, 640-669	2.1	7
231	NMC: nearest matrix classification A new combination model for pruning One-vs-One ensembles by transforming the aggregation problem. <i>Information Fusion</i> , 2017 , 36, 26-51	16.7	14
230	CC-integrals: Choquet-like Copula-based aggregation functions and its application in fuzzy rule-based classification systems. <i>Knowledge-Based Systems</i> , 2017 , 119, 32-43	7.3	88
229	New results on pre-aggregation functions: Introducing (light) pre-t-norms 2017 ,		3

228	Image inpainting using colour and gradient features 2017 ,		1
227	Adding fuzzy color information for image classification 2017 ,		3
226	On the definition of the concept of pre-t-conorms 2017 ,		3
225	Penalty functions constructed from QL subethood measures 2017 ,		1
224	About directionally monotone and pre-aggregation functions 2017 ,		1
223	Some Characterizations of Lattice OWA Operators. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2017 , 25, 5-17	0.8	3
222	N-Reciprocity Property for Interval-Valued Fuzzy Relations with an Application to Group Decision Making Problems in Social Networks. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2017 , 25, 43-72	0.8	12
221	Linking Mathematical Morphology and L-Fuzzy Concepts. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2017 , 25, 73-98	0.8	5
220	Generalized interval-valued OWA operators with interval weights derived from interval-valued overlap functions. <i>International Journal of Approximate Reasoning</i> , 2017 , 90, 1-16	3.6	56
219	Interval-valued implications and interval-valued strong equality index with admissible orders. <i>International Journal of Approximate Reasoning</i> , 2017 , 88, 91-109	3.6	35
218	OWA Operators and Choquet Integrals in the Interval-Valued Setting. <i>Studies in Fuzziness and Soft Computing</i> , 2017 , 65-79	0.7	1
217	Type-2 fuzzy entropy sets. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 993-1005	8.3	12
216	Forest fire detection: A fuzzy system approach based on overlap indices. <i>Applied Soft Computing Journal</i> , 2017 , 52, 834-842	7.5	25
215	On the definition of penalty functions in data aggregation. <i>Fuzzy Sets and Systems</i> , 2017 , 323, 1-18	3.7	42
214	Analyzing the behavior of a CC-integral in a Fuzzy Rule-Based Classification System 2017 ,		3
213	IVOVO: A new interval-valued one-vs-one approach for multi-class classification problems 2017 ,		2
212	Hyperspectrum comparison using similarity measures 2017 ,		1
211	A decision tree based approach with sampling techniques to predict the survival status of poly-trauma patients. <i>International Journal of Computational Intelligence Systems</i> , 2017 , 10, 440	3.4	6

210	Construction of Capacities from Overlap Indexes. <i>Studies in Computational Intelligence</i> , 2017 , 323-335	0.8	
209	A Historical Account of Types of Fuzzy Sets and Their Relationships. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 179-194	8.3	285
208	Preaggregation Functions: Construction and an Application. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 260-272	8.3	102
207	On additive generators of overlap functions. <i>Fuzzy Sets and Systems</i> , 2016 , 287, 76-96	3.7	72
206	Applications of finite interval-valued hesitant fuzzy preference relations in group decision making. <i>Information Sciences</i> , 2016 , 326, 89-101	7.7	21
205	Construction of admissible linear orders for interval-valued Atanassov intuitionistic fuzzy sets with an application to decision making. <i>Information Fusion</i> , 2016 , 27, 189-197	16.7	64
204	Evolutionary undersampling for extremely imbalanced big data classification under apache spark 2016 ,		36
203	A bilateral schema for interval-valued image differentiation 2016 ,		2
202	Unbalanced OWA Operators for Atanassov Intuitionistic Fuzzy Sets. <i>Communications in Computer and Information Science</i> , 2016 , 435-444	0.3	
201	Similarity Measures for Radial Data. <i>Communications in Computer and Information Science</i> , 2016 , 599-611	0.3	
200	A position and perspective analysis of hesitant fuzzy sets on information fusion in decision making. Towards high quality progress. <i>Information Fusion</i> , 2016 , 29, 89-97	16.7	177
199	Unbalanced interval-valued OWA operators. <i>Progress in Artificial Intelligence</i> , 2016 , 5, 207-214	4	4
198	Enhancing evolutionary fuzzy systems for multi-class problems: Distance-based relative competence weighting with truncated confidences (DRCW-TC). <i>International Journal of Approximate Reasoning</i> , 2016 , 73, 108-122	3.6	4
197	Twofold consensus for boundary detection ground truth. <i>Knowledge-Based Systems</i> , 2016 , 98, 162-171	7.3	7
196	Ordering-based pruning for improving the performance of ensembles of classifiers in the framework of imbalanced datasets. <i>Information Sciences</i> , 2016 , 354, 178-196	7.7	55
195	Fusion functions based discrete Choquet-like integrals. <i>European Journal of Operational Research</i> , 2016 , 252, 601-609	5.6	28
194	Paired structures in knowledge representation. <i>Knowledge-Based Systems</i> , 2016 , 100, 50-58	7.3	19
193	Fuzzy Rule-Based Classification Systems for multi-class problems using binary decomposition strategies: On the influence of n-dimensional overlap functions in the Fuzzy Reasoning Method. <i>Information Sciences</i> , 2016 , 332, 94-114	7.7	67

192	Capacities and overlap indexes with an application in fuzzy rule-based classification systems. <i>Fuzzy Sets and Systems</i> , 2016 , 305, 70-94	3.7	33
191	Separability Criteria for the Evaluation of Boundary Detection Benchmarks. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 1047-55	8.7	15
190	Quantitative orness for lattice OWA operators. <i>Information Fusion</i> , 2016 , 30, 27-35	16.7	16
189	An interval extension of homogeneous and pseudo-homogeneous t-norms and t-conorms. <i>Information Sciences</i> , 2016 , 355-356, 328-347	7.7	9
188	Intuitionistic fuzzy integrals based on Archimedean t-conorms and t-norms. <i>Information Sciences</i> , 2016 , 327, 57-70	7.7	19
187	A review of the relationships between implication, negation and aggregation functions from the point of view of material implication. <i>Information Sciences</i> , 2016 , 329, 357-380	7.7	54
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