

Bernard De Baets

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

703
papers

14,969
citations

58
h-index

94
g-index

751
ext. papers

17,340
ext. citations

4.2
avg, IF

6.95
L-index

#	Paper	IF	Citations
703	Multi-target prediction for dummies using two-branch neural networks. <i>Machine Learning</i> , 2022 , 111, 651	4	0
702	Bipolar equations on complete distributive symmetric residuated lattices: The case of a join-irreducible right-hand side. <i>Fuzzy Sets and Systems</i> , 2022 ,	3.7	1
701	Class-specific discriminative metric learning for scene recognition. <i>Pattern Recognition</i> , 2022 , 126, 108589-7	7.7	0
700	Hybrid differential equations: Integrating mechanistic and data-driven techniques for modelling of water systems.. <i>Water Research</i> , 2022 , 213, 118166	12.5	3
699	A characterization of idempotent nullnorms on bounded lattices. <i>Information Sciences</i> , 2022 , 586, 676-687	7.7	0
698	Day versus night use of forest by red and roe deer as determined by Corine Land Cover and Copernicus Tree Cover Density: assessing use of geographic layers in movement ecology. <i>Landscape Ecology</i> , 2022 , 37, 1453	4.3	0
697	Food biodiversity: Quantifying the unquantifiable in human diets.. <i>Critical Reviews in Food Science and Nutrition</i> , 2022 , 1-15	11.5	1
696	Equivalent Electrical Circuits and Their Use Across Electrochemical Impedance Spectroscopy Application Domains. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
695	Impact of bias nonstationarity on the performance of uni- and multivariate bias-adjusting methods: a case study on data from Uccle, Belgium. <i>Hydrology and Earth System Sciences</i> , 2022 , 26, 2319-2344	5.5	1
694	Embedding metric learning into an extreme learning machine for scene recognition. <i>Expert Systems With Applications</i> , 2022 , 117505	7.8	1
693	On the Definition of Fuzzy Relational Galois Connections Between Fuzzy Transitive Digraphs. <i>Communications in Computer and Information Science</i> , 2022 , 100-106	0.3	0
692	Content-Aware Image Smoothing Based on Fuzzy Clustering. <i>Communications in Computer and Information Science</i> , 2022 , 443-454	0.3	0
691	Aggregation on Cartesian Product of Bounded Partially Ordered Sets. <i>Communications in Computer and Information Science</i> , 2022 , 3-10	0.3	0
690	Three Approaches to the Comparison of Random Variables. <i>Studies in Computational Intelligence</i> , 2021 , 93-98	0.8	0
689	Progress, gaps and obstacles in the classification of cellular automata. <i>Physica D: Nonlinear Phenomena</i> , 2021 , 133074	3.3	4
688	A Distance-Constrained Semantic Autoencoder for Zero-Shot Remote Sensing Scene Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 12545-12556	4.7	1
687	Digital phagograms: predicting phage infectivity through a multilayer machine learning approach.. <i>Current Opinion in Virology</i> , 2021 , 52, 174-181	7.5	3

686	Assessing the effects of non-pharmaceutical interventions on SARS-CoV-2 transmission in Belgium by means of an extended SEIQRD model and public mobility data. <i>Epidemics</i> , 2021 , 37, 100505	5.1	3
685	Unraveling the natural durability of wood: revealing the impact of decay-influencing characteristics other than fungicidal components. <i>Holzforschung</i> , 2021 , 75, 368-378	2	1
684	Reversibility of number-conserving 1D cellular automata: Unlocking insights into the dynamics for larger state sets. <i>Physica D: Nonlinear Phenomena</i> , 2021 , 429, 133075	3.3	1
683	Effective Drought Communication: Using the Past to Assess the Present and Anticipate the Future. <i>Water (Switzerland)</i> , 2021 , 13, 714	3	
682	Optimal transportation theory for species interaction networks. <i>Ecology and Evolution</i> , 2021 , 11, 3841-3855	3.55	0
681	Unsupervised Cell Segmentation and Labelling in Neural Tissue Images. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3733	2.6	1
680	Curved splicing of copulas. <i>Information Sciences</i> , 2021 , 556, 95-110	7.7	1
679	Exploring the Effect of Occurrence-Bias-Adjustment Assumptions on Hydrological Impact Modeling. <i>Water (Switzerland)</i> , 2021 , 13, 1573	3	0
678	Automated detection and counting of Artemia using U-shaped fully convolutional networks and deep convolutional networks. <i>Expert Systems With Applications</i> , 2021 , 171, 114562	7.8	1
677	Pairwise learning for predicting pollination interactions based on traits and phylogeny. <i>Ecological Modelling</i> , 2021 , 451, 109508	3	1
676	Forty years of Fuzzy Sets and Systems: A bibliometric analysis. <i>Fuzzy Sets and Systems</i> , 2021 , 402, 155-183	3.7	15
675	Ordinal sums of triangular norms on a bounded lattice. <i>Fuzzy Sets and Systems</i> , 2021 , 408, 1-12	3.7	9
674	Aggregation Theory Revisited. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 797-804	8.3	4
673	Distance metric learning for augmenting the method of nearest neighbors for ordinal classification with absolute and relative information. <i>Information Fusion</i> , 2021 , 65, 72-83	16.7	3
672	Probabilistic topic modelling in food spoilage analysis: A case study with Atlantic salmon (<i>Salmo salar</i>). <i>International Journal of Food Microbiology</i> , 2021 , 337, 108955	5.8	1
671	Constructions of uni-nullnorms and null-uninorms on a bounded lattice. <i>Fuzzy Sets and Systems</i> , 2021 , 403, 78-87	3.7	6
670	Quantitative Dominance-Based Neighborhood Rough Sets via Fuzzy Preference Relations. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 515-529	8.3	4
669	Reversibility of non-saturated linear cellular automata on finite triangular grids. <i>Chaos</i> , 2021 , 31, 013136	3.3	

668	Recurrent Misconceptions in the Study of CA Reversibility on Triangular Grids. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2150014	2	
667	Incorporating Unmodeled Dynamics Into First-Principles Models Through Machine Learning. <i>IEEE Access</i> , 2021 , 9, 22014-22022	3.5	5
666	Practical Equivalent Electrical Circuit Identification for Electrochemical Impedance Spectroscopy Analysis With Gene Expression Programming. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	1
665	The Point-Descriptor-Precedence representation for point configurations and movements. <i>International Journal of Geographical Information Science</i> , 2021 , 35, 1374-1391	4.1	1
664	Untangling the mechanisms of cryptic species coexistence in a nematode community through individual-based modelling. <i>Oikos</i> , 2021 , 130, 587-600	4	1
663	Maximal directions of monotonicity of an aggregation function. <i>Fuzzy Sets and Systems</i> , 2021 ,	3.7	1
662	Stability analysis of the coexistence equilibrium of a balanced metapopulation model. <i>Scientific Reports</i> , 2021 , 11, 14084	4.9	2
661	A survey on matching strategies for boundary image comparison and evaluation. <i>Pattern Recognition</i> , 2021 , 115, 107883	7.7	1
660	Deep scoping: a breeding strategy to preserve, reintroduce and exploit genetic variation. <i>Theoretical and Applied Genetics</i> , 2021 , 134, 3845-3861	6	1
659	A complete representation theorem for nullnorms on bounded lattices with ample illustrations. <i>Fuzzy Sets and Systems</i> , 2021 ,	3.7	1
658	On the role of distance transformations in Baddeley's Delta Metric. <i>Information Sciences</i> , 2021 , 569, 479-495		
657	On the aggregation of compositional data. <i>Information Fusion</i> , 2021 , 73, 103-110	16.7	1
656	A comparative study of machine learning methods for ordinal classification with absolute and relative information. <i>Knowledge-Based Systems</i> , 2021 , 230, 107358	7.3	1
655	Influence of Topology on the Dynamics of in Silico Ecosystems with Non-hierarchical Competition. <i>Lecture Notes in Computer Science</i> , 2021 , 113-122	0.9	
654	Predicting bacteriophage hosts based on sequences of annotated receptor-binding proteins. <i>Scientific Reports</i> , 2021 , 11, 1467	4.9	11
653	A representation of nullnorms on a bounded lattice in terms of beam operations. <i>Fuzzy Sets and Systems</i> , 2020 ,	3.7	2
652	The Constrained Median: A Way to Incorporate Side Information in the Assessment of Food Samples. <i>Mathematics</i> , 2020 , 8, 406	2.3	0
651	A characterization of the classes U_{\min} and U_{\max} of uninorms on a bounded lattice. <i>Fuzzy Sets and Systems</i> , 2020 , 423, 107-107	3.7	1

650	High-ISO Long-Exposure Image Denoising Based on Quantitative Blob Characterization. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	1
649	Relational Galois connections between transitive fuzzy digraphs. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , 43, 5673-5680	2.3	2
648	Information content in pollination network reveals missing interactions. <i>Ecological Modelling</i> , 2020 , 431, 109161	3	4
647	Non-king elimination, intransitive triad interactions, and species coexistence in ecological competition networks. <i>Theoretical Ecology</i> , 2020 , 13, 385-397	1.6	1
646	Perspective: Towards Automated Tracking of Content and Evidence Appraisal of Nutrition Research. <i>Advances in Nutrition</i> , 2020 , 11, 1079-1088	10	0
645	Preservation of Genetic Variation in a Breeding Population for Long-Term Genetic Gain. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 2753-2762	3.2	5
644	Efficient enumeration of three-state two-dimensional number-conserving cellular automata. <i>Information and Computation</i> , 2020 , 274, 104534	0.8	3
643	Oceanic response to Hurricane Irma (2017) in the Exclusive Economic Zone of Cuba and the eastern Gulf of Mexico. <i>Ocean Dynamics</i> , 2020 , 70, 603-619	2.3	2
642	A Characterization of the Property of Orthomonotonicity. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	
641	A correspondence between voting procedures and stochastic orderings. <i>European Journal of Operational Research</i> , 2020 , 285, 977-987	5.6	3
640	On the construction of fuzzy betweenness relations from metrics. <i>Fuzzy Sets and Systems</i> , 2020 , 390, 118-137	3.7	1
639	Option implied moments obtained through fuzzy regression. <i>Fuzzy Optimization and Decision Making</i> , 2020 , 19, 211-238	5.1	0
638	Relational Galois connections between transitive digraphs: Characterization and construction. <i>Information Sciences</i> , 2020 , 519, 439-450	7.7	4
637	Spatial movement pattern recognition in soccer based on relative player movements. <i>PLoS ONE</i> , 2020 , 15, e0227746	3.7	3
636	Improved deep embedding learning based on stochastic symmetric triplet loss and local sampling. <i>Neurocomputing</i> , 2020 , 402, 209-219	5.4	4
635	Boundary detection using unbiased sparseness-constrained colour-opponent response and superpixel contrast. <i>IET Image Processing</i> , 2020 , 14, 2976-2986	1.7	1
634	Combining Absolute and Relative Information with Frequency Distributions for Ordinal Classification. <i>Communications in Computer and Information Science</i> , 2020 , 594-602	0.3	0
633	Machine Learning Methods for Ordinal Classification with Additional Relative Information. <i>Communications in Computer and Information Science</i> , 2020 , 126-136	0.3	

632	Deep feature fusion through adaptive discriminative metric learning for scene recognition. <i>Information Fusion</i> , 2020 , 63, 1-12	16.7	17
631	Ternary reversible number-conserving cellular automata are trivial. <i>Information Sciences</i> , 2020 , 513, 180-189		
630	Fuzzy linear programming problems: models and solutions. <i>Soft Computing</i> , 2020 , 24, 10043-10073	3.5	12
629	Using intransitive triads to determine final species richness of competition networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 540, 123249	3.3	4
628	On the construction of uninorms by paving. <i>International Journal of Approximate Reasoning</i> , 2020 , 118, 96-111	3.6	2
627	Automated Artemia length measurement using U-shaped fully convolutional networks and second-order anisotropic Gaussian kernels. <i>Computers and Electronics in Agriculture</i> , 2020 , 168, 105102	6.5	5
626	A spatio-temporal land use regression model to assess street-level exposure to black carbon. <i>Environmental Modelling and Software</i> , 2020 , 133, 104837	5.2	3
625	A split-and-perturb decomposition of number-conserving cellular automata. <i>Physica D: Nonlinear Phenomena</i> , 2020 , 413, 132645	3.3	3
624	Closures and openings of ternary relations. <i>International Journal of General Systems</i> , 2020 , 49, 760-784	2.1	
623	Scalable Large-Margin Distance Metric Learning Using Stochastic Gradient Descent. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1072-1083	10.2	10
622	Identification of Cellular Automata Based on Incomplete Observations With Bounded Time Gaps. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 971-984	10.2	2
621	A hitchhiker's guide to quasi-copulas. <i>Fuzzy Sets and Systems</i> , 2020 , 393, 1-28	3.7	6
620	Fuzzy betweenness relations and their connection with fuzzy order relations. <i>Fuzzy Sets and Systems</i> , 2020 , 384, 1-22	3.7	12
619	Automated blob detection using iterative Laplacian of Gaussian filtering and unilateral second-order Gaussian kernels 2020 , 96, 102592		19
618	Fusing absolute and relative information for augmenting the method of nearest neighbors for ordinal classification. <i>Information Fusion</i> , 2020 , 56, 128-140	16.7	11
617	Development of a land use regression model for black carbon using mobile monitoring data and its application to pollution-avoiding routing. <i>Environmental Research</i> , 2020 , 183, 108619	7.9	10
616	An Inherent Difficulty in the Aggregation of Multidimensional Data. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 602-606	8.3	11
615	A mathematical morphology approach for a qualitative exploration of drought events in space and time. <i>International Journal of Climatology</i> , 2020 , 40, 530-543	3.5	8

614	On the Compatibility of a Ternary Relation with a Binary Fuzzy Relation. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2019 , 27, 595-612	0.8	2
613	Lattice-based versus lattice-free individual-based models: impact on coexistence in competitive communities. <i>Natural Computing</i> , 2019 , 18, 855-864	1.3	1
612	The acclamation consensus state and an associated ranking rule. <i>International Journal of Intelligent Systems</i> , 2019 , 34, 1223-1247	8.4	2
611	Assessing the potential of the qualitative trajectory calculus to detect gait pathologies: a case study of children with developmental coordination disorder. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019 , 22, 64-70	2.1	
610	Inter- and Intrafield Distribution of Cereal Leaf Beetle Species (Coleoptera: Chrysomelidae) in Belgian Winter Wheat. <i>Environmental Entomology</i> , 2019 , 48, 276-283	2.1	6
609	Contour detection based on anisotropic edge strength and hierarchical superpixel contrast. <i>Signal, Image and Video Processing</i> , 2019 , 13, 1657-1665	1.6	2
608	Multiscale Edge Detection Using First-Order Derivative of Anisotropic Gaussian Kernels. <i>Journal of Mathematical Imaging and Vision</i> , 2019 , 61, 1096-1111	1.6	10
607	Analysis of spatio-temporal fungal growth dynamics under different environmental conditions. <i>IMA Fungus</i> , 2019 , 10, 7	6.8	5
606	Spoilage evaluation of raw Atlantic salmon (<i>Salmo salar</i>) stored under modified atmospheres by multivariate statistics and augmented ordinal regression. <i>International Journal of Food Microbiology</i> , 2019 , 303, 46-57	5.8	10
605	A taxonomy of monotonicity properties for the aggregation of multidimensional data. <i>Information Fusion</i> , 2019 , 52, 322-334	16.7	7
604	A statistical approach to the identification of diploid cellular automata based on incomplete observations. <i>BioSystems</i> , 2019 , 186, 103976	1.9	
603	Cutting levels of the winning probability relation of random variables pairwise coupled by a same Frank copula. <i>International Journal of Approximate Reasoning</i> , 2019 , 112, 22-36	3.6	3
602	Superpixel Segmentation Based on Anisotropic Edge Strength. <i>Journal of Imaging</i> , 2019 , 5,	3.1	4
601	An Ontology to Standardize Research Output of Nutritional Epidemiology: From Paper-Based Standards to Linked Content. <i>Nutrients</i> , 2019 , 11,	6.7	14
600	A validated expert-based habitat suitability assessment for eagle owls in Limburg, the Netherlands. <i>European Journal of Wildlife Research</i> , 2019 , 65, 1	2	
599	Learning Single-Cell Distances from Cytometry Data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019 , 95, 782-791	4.6	3
598	Real-time prediction of influenza outbreaks in Belgium. <i>Epidemics</i> , 2019 , 28, 100341	5.1	8
597	Noise-robust line detection using normalized and adaptive second-order anisotropic Gaussian kernels. <i>Signal Processing</i> , 2019 , 160, 252-262	4.4	15

596	Topologies induced by the representation of a betweenness relation as a family of order relations. <i>Topology and Its Applications</i> , 2019 , 258, 100-114	0.4	7
595	Towards a Fuzzy Index of Skewness. <i>Lecture Notes in Computer Science</i> , 2019 , 164-175	0.9	
594	Possibilistic compositions and state functions: application to the order promising process for perishables. <i>International Journal of Production Research</i> , 2019 , 57, 7006-7031	7.8	3
593	Left- and right-compatibility of order relations and fuzzy tolerance relations. <i>Fuzzy Sets and Systems</i> , 2019 , 360, 65-81	3.7	2
592	An efficient method for clustered multi-metric learning. <i>Information Sciences</i> , 2019 , 471, 149-163	7.7	13
591	A method based on the Levenshtein distance metric for the comparison of multiple movement patterns described by matrix sequences of different length. <i>Expert Systems With Applications</i> , 2019 , 115, 373-385	7.8	12
590	On the degree of asymmetry of a quasi-copula with respect to a curve. <i>Fuzzy Sets and Systems</i> , 2019 , 354, 84-103	3.7	6
589	All binary number-conserving cellular automata based on adjacent cells are intrinsically one-dimensional. <i>Physical Review E</i> , 2019 , 100, 022126	2.4	3
588	The sample monomode and an associated test for discrete monomodality. <i>Communications in Statistics - Theory and Methods</i> , 2019 , 48, 5419-5426	0.5	
587	Cycle-Free Cuts of the Reciprocal Relation Generated by Random Variables that are Pairwisely Coupled by a Frank Copula. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 54-58	0.4	
586	Some Partial Order Relations on a Set of Random Variables. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 42-45	0.4	
585	Penalty-Based Aggregation of Strings. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 212-222	0.4	
584	From DIKW pyramid to graph database: a tool for machine processing of nutritional epidemiologic research data 2019 ,		2
583	Chronicle of a Failure Foretold: 2017 Rector Election at Ghent University. <i>Economies</i> , 2019 , 7, 2	2	1
582	X-ray microtomography and linear discriminant analysis enable detection of embolism-related acoustic emissions. <i>Plant Methods</i> , 2019 , 15, 153	5.8	4
581	Guiding Mineralization Co-Culture Discovery Using Bayesian Optimization. <i>Environmental Science & Technology</i> , 2019 , 53, 14459-14469	10.3	0
580	Integrating expert and novice evaluations for augmenting ordinal regression models. <i>Information Fusion</i> , 2019 , 51, 1-9	16.7	6
579	Kernel-Based Distance Metric Learning for Supervised k -Means Clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 3084-3095	10.3	23

578	Rift Valley fever: An open-source transmission dynamics simulation model. <i>PLoS ONE</i> , 2019 , 14, e0209929	3.7	3
577	On the Role of Monometrics in Penalty-Based Data Aggregation. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1456-1468	8.3	15
576	The superdominance relation, the positional winner, and more missing links between Borda and Condorcet. <i>Journal of Theoretical Politics</i> , 2019 , 31, 46-65	0.5	4
575	Multivariate winning probabilities. <i>Fuzzy Sets and Systems</i> , 2019 , 362, 129-143	3.7	5
574	Kernel Distance Metric Learning Using Pairwise Constraints for Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 589-600	8.7	19
573	On the lattice structure of the set of supermodular quasi-copulas. <i>Fuzzy Sets and Systems</i> , 2019 , 354, 74-83	3.7	3
572	Flow cytometric fingerprinting for microbial strain discrimination and physiological characterization. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018 , 93, 201-212	4.6	26
571	Dietary species richness as a measure of food biodiversity and nutritional quality of diets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 127-132	11.5	86
570	Extremal Lipschitz continuous aggregation functions with a given diagonal section. <i>Fuzzy Sets and Systems</i> , 2018 , 346, 147-167	3.7	6
569	ONS: an ontology for a standardized description of interventions and observational studies in nutrition. <i>Genes and Nutrition</i> , 2018 , 13, 12	4.3	18
568	An approach to supervised distance metric learning based on difference of convex functions programming. <i>Pattern Recognition</i> , 2018 , 81, 562-574	7.7	14
567	Self-adapting weighted operators for multiscale gradient fusion. <i>Information Fusion</i> , 2018 , 44, 136-146	16.7	10
566	Clonal sets of a binary relation. <i>International Journal of General Systems</i> , 2018 , 47, 329-349	2.1	1
565	Traces of ternary relations. <i>International Journal of General Systems</i> , 2018 , 47, 350-373	2.1	3
564	The Frank inequality. <i>Fuzzy Sets and Systems</i> , 2018 , 335, 18-29	3.7	2
563	A Study of the Local Geometric Accuracy of Count de Ferraris's Carte de cabinet (1770s) Using Differential Distortion Analysis. <i>Cartographic Journal</i> , 2018 , 55, 16-35	0.7	5
562	Galois Connections Between a Fuzzy Preordered Structure and a General Fuzzy Structure. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1274-1287	8.3	13
561	Convolution lattices. <i>Fuzzy Sets and Systems</i> , 2018 , 335, 67-93	3.7	9

560	Affine continuous cellular automata solving the fixed-length density classification problem. <i>Natural Computing</i> , 2018 , 17, 467-477	1.3	2
559	Development and evaluation of land use regression models for black carbon based on bicycle and pedestrian measurements in the urban environment. <i>Environmental Modelling and Software</i> , 2018 , 99, 58-69	5.2	33
558	Microbiological, chemical and sensory spoilage analysis of raw Atlantic cod (<i>Gadus morhua</i>) stored under modified atmospheres. <i>Food Microbiology</i> , 2018 , 70, 232-244	6	58
557	On a correspondence between probabilistic and fuzzy choice functions. <i>Fuzzy Optimization and Decision Making</i> , 2018 , 17, 247-264	5.1	2
556	Joint consensus evaluation of multiple objects on an ordinal scale: An approach driven by monotonicity. <i>Information Fusion</i> , 2018 , 42, 64-74	16.7	4
555	The supercovering relation, the pairwise winner, and more missing links between Borda and Condorcet. <i>Social Choice and Welfare</i> , 2018 , 50, 329-352	0.7	6
554	On the structure of 2-uninorms. <i>Information Sciences</i> , 2018 , 467, 506-527	7.7	20
553	Individual-Based Modelling of Invasion in Bioaugmented Sand Filter Communities. <i>Processes</i> , 2018 , 6, 2	2.9	3
552	A Comparative Study of Pairwise Learning Methods Based on Kernel Ridge Regression. <i>Neural Computation</i> , 2018 , 30, 2245-2283	2.9	12
551	Potentials and Limitations of a Growing Degree Day Approach to Predict the Phenology of Cereal Leaf Beetles. <i>Environmental Entomology</i> , 2018 , 47, 1039-1046	2.1	1
550	A combined scoring and ranking approach for determining overall food quality. <i>International Journal of Approximate Reasoning</i> , 2018 , 100, 161-176	3.6	5
549	Twofold Binary Image Consensus for Medical Imaging Meta-Analysis. <i>Communications in Computer and Information Science</i> , 2018 , 389-400	0.3	
548	Spatio-Temporal Drought Identification Through Mathematical Morphology. <i>Communications in Computer and Information Science</i> , 2018 , 287-298	0.3	
547	Combining Absolute and Relative Information in Studies on Food Quality. <i>Communications in Computer and Information Science</i> , 2018 , 379-388	0.3	
546	Edge Detection Based on the Fusion of Multiscale Anisotropic Edge Strength Measurements. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 530-536	0.4	2
545	On the Construction of Associative, Commutative and Increasing Operations by Paving. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 229-240	0.4	
544	Gradient Fusion Operators for Vector-Valued Image Processing. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 430-442	0.4	
543	Convolution on Bounded Lattices. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 585-596	0.4	

542	Distance metric learning for ordinal classification based on triplet constraints. <i>Knowledge-Based Systems</i> , 2018 , 142, 17-28	7.3	22
541	On the construction of radially symmetric copulas in higher dimensions. <i>Fuzzy Sets and Systems</i> , 2018 , 335, 30-47	3.7	4
540	Three-species competition with non-deterministic outcomes. <i>Chaos</i> , 2018 , 28, 123124	3.3	3
539	Impact of a Helical Ridge within a Tubular Membrane Channel on Fluid Flow and Particle Behavior: A Model-Based Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2018 ,	3.9	
538	Algebraic shortcuts for leave-one-out cross-validation in supervised network inference. <i>Briefings in Bioinformatics</i> , 2018 ,	13.4	5
537	Differential post-fledging habitat use of Nearctic-Neotropical migratory birds within an urbanized landscape. <i>Movement Ecology</i> , 2018 , 6, 17	4.6	3
536	Ecological Diversity: Measuring the Unmeasurable. <i>Mathematics</i> , 2018 , 6, 119	2.3	78
535	Indices for Financial Market Volatility Obtained Through Fuzzy Regression. <i>International Journal of Information Technology and Decision Making</i> , 2018 , 17, 1659-1691	2.8	2
534	A coupled stochastic rainfall-evapotranspiration model for hydrological impact analysis. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 1263-1283	5.5	16
533	An analytical description of the time-integrated Brownian bridge. <i>Computational and Applied Mathematics</i> , 2017 , 36, 627-645		2
532	Monometrics and their role in the rationalisation of ranking rules. <i>Information Fusion</i> , 2017 , 34, 16-27	16.7	24
531	Fuzzy Approaches to Option Price Modeling. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 392-401	8.3	27
530	On the iota-delta function: a link between cellular automata and partial differential equations for modeling advection-dispersion from a constant source. <i>Journal of Supercomputing</i> , 2017 , 73, 700-712	2.5	4
529	Monotonicity-based ranking on the basis of multiple partially specified reciprocal relations. <i>Fuzzy Sets and Systems</i> , 2017 , 325, 69-96	3.7	4
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