

Ulrich Bodenhofer

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,813
citations

257450

24
h-index

223800

46
g-index

60
all docs

60
docs citations

60
times ranked

5553
citing authors

#	ARTICLE	IF	CITATIONS
1	msa: an R package for multiple sequence alignment. <i>Bioinformatics</i> , 2015, 31, 3997-3999.	4.1	458
2	APCluster: an R package for affinity propagation clustering. <i>Bioinformatics</i> , 2011, 27, 2463-2464.	4.1	407
3	cn.MOPS: mixture of Poissons for discovering copy number variations in next-generation sequencing data with a low false discovery rate. <i>Nucleic Acids Research</i> , 2012, 40, e69-e69.	14.5	394
4	FABIA: factor analysis for bicluster acquisition. <i>Bioinformatics</i> , 2010, 26, 1520-1527.	4.1	258
5	Learning the High-Dimensional Immunogenomic Features That Predict Public and Private Antibody Repertoires. <i>Journal of Immunology</i> , 2017, 199, 2985-2997.	0.8	124
6	DOMINATION OF AGGREGATION OPERATORS AND PRESERVATION OF TRANSITIVITY. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2002, 10, 11-35.	1.9	98
7	Representations and constructions of similarity-based fuzzy orderings. <i>Fuzzy Sets and Systems</i> , 2003, 137, 113-136.	2.7	89
8	A SIMILARITY-BASED GENERALIZATION OF FUZZY ORDERINGS PRESERVING THE CLASSICAL AXIOMS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2000, 08, 593-610.	1.9	88
9	Using transcriptomics to guide lead optimization in drug discovery projects: Lessons learned from the QSTAR project. <i>Drug Discovery Today</i> , 2015, 20, 505-513.	6.4	80
10	A compendium of fuzzy weak orders: Representations and constructions. <i>Fuzzy Sets and Systems</i> , 2007, 158, 811-829.	2.7	74
11	Transcriptome Profiling of Antimicrobial Resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4722-4733.	3.2	67
12	Openings and closures of fuzzy preorderings: theoretical basics and applications to fuzzy rule-based systems. <i>International Journal of General Systems</i> , 2003, 32, 343-360.	2.5	48
13	KeBABS: an R package for kernel-based analysis of biological sequences. <i>Bioinformatics</i> , 2015, 31, 2574-2576.	4.1	44
14	Hsa-miR-375 is a predictor of local control in early stage breast cancer. <i>Clinical Epigenetics</i> , 2016, 8, 28.	4.1	44
15	Complex Networks Govern Coiled-Coil Oligomerization – Predicting and Profiling by Means of a Machine Learning Approach. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.004994.	3.8	39
16	Machine learning identifies an immunological pattern associated with multiple juvenile idiopathic arthritis subtypes. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 617-628.	0.9	38
17	FS-FOIL: an inductive learning method for extracting interpretable fuzzy descriptions. <i>International Journal of Approximate Reasoning</i> , 2003, 32, 131-152.	3.3	37
18	A Formal Model of Interpretability of Linguistic Variables. <i>Studies in Fuzziness and Soft Computing</i> , 2003, , 524-545.	0.8	34

#	ARTICLE	IF	CITATIONS
19	A unified framework of opening and closure operators with respect to arbitrary fuzzy relations. <i>Soft Computing</i> , 2003, 7, 220-227.	3.6	33
20	Fuzzy orderings in flexible query answering systems. <i>Soft Computing</i> , 2004, 8, 512-522.	3.6	29
21	Connecting gene expression data from connectivity map and in silico target predictions for small molecule mechanism-of-action analysis. <i>Molecular BioSystems</i> , 2015, 11, 86-96.	2.9	28
22	A formal study of linearity axioms for fuzzy orderings. <i>Fuzzy Sets and Systems</i> , 2004, 145, 323-354.	2.7	27
23	Relations in Fuzzy Class Theory. <i>Fuzzy Sets and Systems</i> , 2008, 159, 1729-1772.	2.7	26
24	Lck Mediates Signal Transmission from CD59 to the TCR/CD3 Pathway in Jurkat T Cells. <i>PLoS ONE</i> , 2014, 9, e85934.	2.5	25
25	Continuity issues of the implicational interpretation of fuzzy rules. <i>Fuzzy Sets and Systems</i> , 2010, 161, 1959-1972.	2.7	24
26	Testing noisy numerical data for monotonic association. <i>Information Sciences</i> , 2013, 245, 21-37.	6.9	20
27	Defining objective clusters for rabies virus sequences using affinity propagation clustering. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006182.	3.0	18
28	A Plea for the Usefulness of the Deductive Interpretation of Fuzzy Rules in Engineering Applications. <i>IEEE International Conference on Fuzzy Systems</i> , 2007, , .	0.0	17
29	STRICT FUZZY ORDERINGS WITH A GIVEN CONTEXT OF SIMILARITY. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2008, 16, 147-178.	1.9	15
30	Mining clusters and corresponding interpretable descriptions - a three-stage approach. <i>Expert Systems</i> , 2002, 19, 224-234.	4.5	14
31	Genome-Wide Chromatin Remodeling Identified at GC-Rich Long Nucleosome-Free Regions. <i>PLoS ONE</i> , 2012, 7, e47924.	2.5	13
32	Graded dominance and related graded properties of fuzzy connectives. <i>Fuzzy Sets and Systems</i> , 2015, 262, 78-101.	2.7	13
33	Integrating High-Dimensional Transcriptomics and Image Analysis Tools into Early Safety Screening: Proof of Concept for a New Early Drug Development Strategy. <i>Chemical Research in Toxicology</i> , 2015, 28, 1914-1925.	3.3	10
34	Interpretation of self-organizing maps with fuzzy rules. , 0, , .		9
35	A note on approximate equality versus the Poincaré paradox. <i>Fuzzy Sets and Systems</i> , 2003, 133, 155-160.	2.7	9
36	Machine learning-based risk profile classification of patients undergoing elective heart valve surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 60, 1378-1385.	1.4	9

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37	Hsa-miR-375/RASD1 Signaling May Predict Local Control in Early Breast Cancer. <i>Genes</i> , 2020, 11, 1404.	2.4	7
38	Flexible Query Answering Using Distance-Based Fuzzy Relations. <i>Lecture Notes in Computer Science</i> , 2006, , 207-228.	1.3	7
39	Weighted similarity-based clustering of chemical structures and bioactivity data in early drug discovery. <i>Journal of Bioinformatics and Computational Biology</i> , 2016, 14, 1650018.	0.8	6
40	A joint modeling approach for uncovering associations between gene expression, bioactivity and chemical structure in early drug discovery to guide lead selection and genomic biomarker development. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2016, 15, 291-304.	0.6	5
41	Multivariate analytics of chromatographic data: Visual computing based on moving window factor models. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 179-190.	2.3	4
42	A General Framework for Ordering Fuzzy Sets. <i>Studies in Fuzziness and Soft Computing</i> , 2002, , 213-224.	0.8	4
43	Fuzzy "Between" Operators in the Framework of Fuzzy Orderings. , 2003, , 59-70.		4
44	Hsa-miR-3651 could serve as a novel predictor for in-breast recurrence via FRMD3. <i>Breast Cancer</i> , 2022, 29, 274-286.	2.9	4
45	Special Issue on Soft Computing for Information Mining. <i>Soft Computing</i> , 2006, 11, 397-399.	3.6	3
46	Semi-automatic identification of print layers from a sequence of sample images: A case study from banknote print inspection. <i>Image and Vision Computing</i> , 2009, 27, 989-998.	4.5	3
47	Syntax-driven Analysis of Context-free Languages with Respect to Fuzzy Relational Semantics. , 2006, , .		1
48	On a Graded Notion of t-Norm and Dominance. , 2010, , .		1
49	Approximation of Belief Functions by Minimizing Euclidean Distances. <i>Advances in Intelligent and Soft Computing</i> , 2002, , 170-177.	0.2	1
50	Correspondences Between Fuzzy Equivalence Relations and Kernels: Theoretical Results and Potential Applications. , 2006, , .		0
51	Systematic Characterization of Initial Calcium Signaling in T Cells. <i>Biophysical Journal</i> , 2010, 98, 22a.	0.5	0
52	Aggregation of Fuzzy Relations and Preservation of Transitivity. <i>Lecture Notes in Computer Science</i> , 2006, , 185-206.	1.3	0
53	Lexicographic Composition of Similarity-Based Fuzzy Orderings. , 2008, , 457-469.		0
54	Randomised controlled trials should be analysed using one-sided tests: PRO. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2021, 40, 100981.	1.4	0