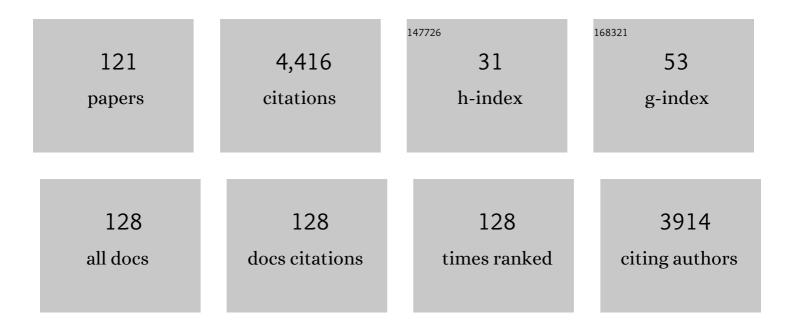
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/888880/publications.pdf Version: 2024-02-01



**ΡΕΤΕΡ Δ ΕΙΛΟΗ** 

#	Article	lF	CITATIONS
1	An active semi-supervised deep learning model for human activity recognition. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 13049-13065.	3.3	7
2	Continuous Adaptation with Online Meta-Learning for Non-Stationary Target Regression Tasks. Signals, 2022, 3, 66-85.	1.2	0
3	CRISP-DM Twenty Years Later: From Data Mining Processes to Data Science Trajectories. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3048-3061.	4.0	120
4	Human Activity Recognition Based on Dynamic Active Learning. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 922-934.	3.9	38
5	Multi-label thresholding for cost-sensitive classification. Neurocomputing, 2021, 436, 232-247.	3.5	9
6	Reflections on reciprocity in research. Machine Learning, 2020, 109, 1281-1285.	3.4	0
7	GLU: a software package for analysing continuously measured glucose levels in epidemiology. International Journal of Epidemiology, 2020, 49, 744-757.	0.9	14
8	Modelling Patient Behaviour Using IoT Sensor Data: a Case Study to Evaluate Techniques for Modelling Domestic Behaviour in Recovery from Total Hip Replacement Surgery. Journal of Healthcare Informatics Research, 2020, 4, 238-260.	5.3	11
9	One Explanation Does Not Fit All. KI - Kunstliche Intelligenz, 2020, 34, 235-250.	2.2	58
10	Polsar Image Classification via Robust Low-Rank Feature Extraction and Markov Random Field. , 2020, ,		2
11	Explainability fact sheets. , 2020, , .		115
12	FAT Forensics: A Python Toolbox for Implementing and Deploying Fairness, Accountability and Transparency Algorithms in Predictive Systems. Journal of Open Source Software, 2020, 5, 1904.	2.0	23
13	Uni- and multivariate probability density models for numeric subgroup discovery. Intelligent Data Analysis, 2020, 24, 1403-1439.	0.4	2
14	Performance Evaluation in Machine Learning: The Good, the Bad, the Ugly, and the Way Forward. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9808-9814.	3.6	64
15	A Big Data platform for smart meter data analytics. Computers in Industry, 2019, 105, 250-259.	5.7	64
16	Setting decision thresholds when operating conditions are uncertain. Data Mining and Knowledge Discovery, 2019, 33, 805-847.	2.4	4
17	An application of hierarchical Gaussian processes to the detection of anomalies in star light curves. Neurocomputing, 2019, 342, 152-163.	3.5	8
18	Introduction to the special issue on Data Science in Europe. International Journal of Data Science and Analytics, 2018, 6, 163-165.	2.4	0

#	Article	IF	CITATIONS
19	Activities of Daily Living Ontology for Ubiquitous Systems: Development and Evaluation. Sensors, 2018, 18, 2361.	2.1	12
20	A Comprehensive Study of Activity Recognition Using Accelerometers. Informatics, 2018, 5, 27.	2.4	98
21	Releasing eHealth Analytics into the Wild. , 2018, , .		10
22	Conversational Explanations of Machine Learning Predictions Through Class-contrastive Counterfactual Statements. , 2018, , .		16
23	Glass-Box: Explaining Al Decisions With Counterfactual Statements Through Conversation With a Voice-enabled Virtual Assistant. , 2018, , .		37
24	Smart homes, private homes? An empirical study of technology researchers' perceptions of ethical issues in developing smart-home health technologies. BMC Medical Ethics, 2017, 18, 23.	1.0	59
25	SPHERE: A Sensor Platform for Healthcare in a Residential Environment. , 2017, , 315-333.		47
26	Unsupervised learning of sensor topologies for improving activity recognition in smart environments. Neurocomputing, 2017, 234, 93-106.	3.5	30
27	Physical activity phenotyping with activity bigrams, and their association with BMI. International Journal of Epidemiology, 2017, 46, 1857-1870.	0.9	7
28	Classifier Calibration. , 2017, , 210-217.		9
29	Computational support for academic peer review. Communications of the ACM, 2017, 60, 70-79.	3.3	103
30	ROC Analysis. , 2017, , 1109-1116.		1
31	BDL.NET: Bayesian dictionary learning in Infer.NET. , 2016, , .		2
32	Background Check: A General Technique to Build More Reliable and Versatile Classifiers. , 2016, , .		7
33	Reframing in context: A systematic approach for model reuse in machine learning. Al Communications, 2016, 29, 551-566.	0.8	7
34	Subgroup Discovery with Proper Scoring Rules. Lecture Notes in Computer Science, 2016, , 492-510.	1.0	4
35	On the need for structure modelling in sequence prediction. Machine Learning, 2016, 104, 291-314.	3.4	3
36	Cost-sensitive boosting algorithms: Do we really need them?. Machine Learning, 2016, 104, 359-384.	3.4	49

#	Article	IF	CITATIONS
37	Fast Unsupervised Online Drift Detection Using Incremental Kolmogorov-Smirnov Test. , 2016, , .		81
38	Machine learning to assist risk-of-bias assessments in systematic reviews. International Journal of Epidemiology, 2016, 45, 266-277.	0.9	44
39	Feature Construction and Calibration for Clustering Daily Load Curves from Smart-Meter Data. IEEE Transactions on Industrial Informatics, 2016, 12, 645-654.	7.2	104
40	Classifier Calibration. , 2016, , 1-8.		5
41	Hybrid Multi-Label Decision Trees for Classification. , 2016, , .		0
42	First-Order Logic. , 2016, , 1-6.		0
43	ROC Analysis. , 2016, , 1-8.		21
44	MR-PheWAS: hypothesis prioritization among potential causal effects of body mass index on many outcomes, using Mendelian randomization. Scientific Reports, 2015, 5, 16645.	1.6	81
45	Reframing in Frequent Pattern Mining. , 2015, , .		3
46	Activity recognition using conditional random field. , 2015, , .		6
47	Bridging e-Health and the Internet of Things: The SPHERE Project. IEEE Intelligent Systems, 2015, 30, 39-46.	4.0	201
48	Bayesian Modelling of the Temporal Aspects of Smart Home Activity with Circular Statistics. Lecture Notes in Computer Science, 2015, , 279-294.	1.0	6
49	Versatile Decision Trees for Learning Over Multiple Contexts. Lecture Notes in Computer Science, 2015, , 184-199.	1.0	5
50	Novel Decompositions of Proper Scoring Rules for Classification: Score Adjustment as Precursor to Calibration. Lecture Notes in Computer Science, 2015, , 68-85.	1.0	19
51	Report of the First International Workshop on Learning over Multiple Contexts (LMCE 2014). SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2015, 17, 48-50.	3.2	0
52	LaCova: A Tree-Based Multi-label Classifier Using Label Covariance as Splitting Criterion. , 2014, , .		5
53	Reliability Maps: A Tool to Enhance Probability Estimates and Improve Classification Accuracy. Lecture Notes in Computer Science, 2014, , 18-33.	1.0	9
54	Subgroup Discovery in Smart Electricity Meter Data. IEEE Transactions on Industrial Informatics, 2014, 10, 1327-1336.	7.2	38

#	Article	IF	CITATIONS
55	Rate-Constrained Ranking and the Rate-Weighted AUC. Lecture Notes in Computer Science, 2014, , 386-403.	1.0	2
56	Rate-Oriented Point-Wise Confidence Bounds for ROC Curves. Lecture Notes in Computer Science, 2014, , 404-421.	1.0	2
57	ROC curves in cost space. Machine Learning, 2013, 93, 71-91.	3.4	29
58	Guest editors' introduction: special issue of selected papers from ECML-PKDD 2012. Machine Learning, 2013, 92, 1-3.	3.4	0
59	Guest editors' introduction: special section of selected papers from ECML-PKDD 2012. Data Mining and Knowledge Discovery, 2013, 27, 442-443.	2.4	0
60	SubSift web services and workflows for profiling and comparing scientists and their published works. Future Generation Computer Systems, 2013, 29, 569-581.	4.9	4
61	A Higher-order data flow model for heterogeneous Big Data. , 2013, , .		3
62	A new strategy for applying grammatical inference to image classification problems. , 2013, , .		3
63	Caveats and pitfalls of ROC analysis in clinical microarray research (and how to avoid them). Briefings in Bioinformatics, 2012, 13, 83-97.	3.2	96
64	ILP turns 20. Machine Learning, 2012, 86, 3-23.	3.4	91
65	ROC Analysis. , 2011, , 869-875.		14
66	The Machine Learning journal: 25 years young. Machine Learning, 2011, 82, 273-274.	3.4	0
67	Learning Multi-class Theories in ILP. Lecture Notes in Computer Science, 2011, , 6-13.	1.0	3
68	Smooth Receiver Operating Characteristics (smROC) Curves. Lecture Notes in Computer Science, 2011, , 193-208.	1.0	2
69	The Machine Learning journal: 250 issues and counting. Machine Learning, 2010, 81, 227-228.	3.4	0
70	SubSift Web Services and Workflows for Profiling and Comparing Scientists and Their Published Works. , 2010, , .		0
71	Unsupervised Word Decomposition with the Promodes Algorithm. Lecture Notes in Computer Science, 2010, , 625-632.	1.0	1
72	Novel tools to streamline the conference review process. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2010, 11, 63-67.	3.2	32

#	Article	IF	CITATIONS
73	Unsupervised Morpheme Discovery with Ungrade. Lecture Notes in Computer Science, 2010, , 633-640.	1.0	0
74	Towards Learning Morphology for Under-Resourced Fusional and Agglutinating Languages. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 956-965.	3.8	3
75	Abduction and Induction in Artificial Intelligence. Journal of Applied Logic, 2009, 7, 251.	1.1	3
76	Evaluation Measures for Multi-class Subgroup Discovery. Lecture Notes in Computer Science, 2009, , 35-50.	1.0	53
77	Using Time Dependent Link Reduction to Improve the Efficiency of Topic Prediction in Co-Authorship Graphs. Studies in Computational Intelligence, 2009, , 173-184.	0.7	Ο
78	Learning the morphology of Zulu with different degrees of supervision. , 2008, , .		4
79	Querying and Merging Heterogeneous Data by Approximate Joins on Higher-Order Terms. Lecture Notes in Computer Science, 2008, , 226-243.	1.0	1
80	Rule Induction. , 2007, , 229-267.		8
81	An Improved Model Selection Heuristic for AUC. Lecture Notes in Computer Science, 2007, , 478-489.	1.0	20
82	A Simple Lexicographic Ranker and Probability Estimator. Lecture Notes in Computer Science, 2007, , 575-582.	1.0	23
83	Reinventing Machine Learning with ROC Analysis. Lecture Notes in Computer Science, 2006, , 4-5.	1.0	Ο
84	ROC ?n? Rule Learning?Towards a Better Understanding of Covering Algorithms. Machine Learning, 2005, 58, 39-77.	3.4	180
85	A Response to Webb and Ting?s On the Application of ROC Analysis to Predict Classification Performance Under Varying Class Distributions. Machine Learning, 2005, 58, 33-38.	3.4	73
86	Combining Bayesian Networks with Higher-Order Data Representations. Lecture Notes in Computer Science, 2005, , 145-156.	1.0	7
87	Logic for Learning: Learning Comprehensible Theories from Structured Data by John W. Lloyd, Springer-Verlag, 2003, hard cover: ISBN 3-540-42027-4, x + 256 pages. Theory and Practice of Logic Programming, 2004, 4, 753-755.	1.1	0
88	Delegating classifiers. , 2004, , .		34
89	Redundant feature elimination for multi-class problems. , 2004, , .		28
90	The 1st workshop on ROC analysis in artificial intelligence (ROCAI-2004). SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2004, 6, 159-161.	3.2	9

#	Article	IF	CITATIONS
91	Decision Support Through Subgroup Discovery: Three Case Studies and the Lessons Learned. Machine Learning, 2004, 57, 115-143.	3.4	78
92	Kernels and Distances for Structured Data. Machine Learning, 2004, 57, 205-232.	3.4	126
93	Naive Bayesian Classification of Structured Data. Machine Learning, 2004, 57, 233-269.	3.4	103
94	Hierarchical Bayesian Networks: An Approach to Classification and Learning for Structured Data. Lecture Notes in Computer Science, 2004, , 291-300.	1.0	28
95	An Analysis of Stopping and Filtering Criteria for Rule Learning. Lecture Notes in Computer Science, 2004, , 123-133.	1.0	6
96	Comparative Evaluation of Approaches to Propositionalization. Lecture Notes in Computer Science, 2003, , 197-214.	1.0	72
97	Improving the AUC of Probabilistic Estimation Trees. Lecture Notes in Computer Science, 2003, , 121-132.	1.0	33
98	RSD: Relational Subgroup Discovery through First-Order Feature Construction. Lecture Notes in Computer Science, 2003, , 149-165.	1.0	28
99	Decision Support for Data Mining. , 2003, , 81-90.		20
100	Improved Dataset Characterisation for Meta-learning. Lecture Notes in Computer Science, 2002, , 141-152.	1.0	80
101	Learning in Clausal Logic: A Perspective on Inductive Logic Programming. Lecture Notes in Computer Science, 2002, , 437-471.	1.0	3
102	Propositionalization Approaches to Relational Data Mining. , 2001, , 262-291.		153
103	On the state of the art in machine learning: A personal review. Artificial Intelligence, 2001, 131, 199-222.	3.9	43
104	Editorial: Inductive Logic Programming is Coming of Age. , 2001, 44, 207-209.		2
105	Confirmation-Guided Discovery of First-Order Rules with Tertius. Machine Learning, 2001, 42, 61-95.	3.4	87
106	An extended transformation approach to inductive logic programming. ACM Transactions on Computational Logic, 2001, 2, 458-494.	0.7	60
107	Multi-relational Data Mining: A Perspective. Lecture Notes in Computer Science, 2001, , 3-4.	1.0	0

#	Article	IF	CITATIONS
109	Discovery of multivalued dependencies from relations. Intelligent Data Analysis, 2000, 4, 195-211.	0.4	28
110	Predictive Performance of Weighted Relative Accuracy. Lecture Notes in Computer Science, 2000, , 255-264.	1.0	38
111	Abductive and Inductive Reasoning: Background and Issues. Applied Logic Series, 2000, , 1-27.	0.3	25
112	On the Logic of Hypothesis Generation. Applied Logic Series, 2000, , 89-106.	0.3	12
113	On the Relation between Abduction and Inductive Learning. , 2000, , 1-33.		10
114	Logical Characterisations of Inductive Learning. , 2000, , 155-196.		8
115	Knowledge Representation for Inductive Learning. Lecture Notes in Computer Science, 1999, , 160-167.	1.0	6
116	1BC: A First-Order Bayesian Classifier. Lecture Notes in Computer Science, 1999, , 92-103.	1.0	53
117	Rule Evaluation Measures: A Unifying View. Lecture Notes in Computer Science, 1999, , 174-185.	1.0	204
118	Predicate invention in inductive data engineering. Lecture Notes in Computer Science, 1993, , 83-94.	1.0	21
119	An analysis of various forms of â€~jumping to conclusions'. Lecture Notes in Computer Science, 1992, , 170-186.	1.0	2
120	Second-order inductive learning. Lecture Notes in Computer Science, 1989, , 202-216.	1.0	1
121	Modern Logic and its Role in the Study of Knowledge. , 0, , 680-693.		6