

Jaakko T Peltonen

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,149
citations

623734

14
h-index

454955

30
g-index

74
all docs

74
docs citations

74
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Visual Interaction with Dimensionality Reduction: A Structured Literature Analysis. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 241-250.	4.4	167
2	What you see is what you can change: Human-centered machine learning by interactive visualization. Neurocomputing, 2017, 268, 164-175.	5.9	117
3	Bankruptcy analysis with self-organizing maps in learning metrics. IEEE Transactions on Neural Networks, 2001, 12, 936-947.	4.2	90
4	The usage of large data sets in online consumer behaviour: A bibliometric and computational text-mining-driven analysis of previous research. Journal of Business Research, 2020, 106, 46-59.	10.2	76
5	Genome-wide modeling of transcription kinetics reveals patterns of RNA production delays. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13115-13120.	7.1	75
6	Directing exploratory search with interactive intent modeling. , 2013, , .		58
7	Interactive Intent Modeling for Exploratory Search. ACM Transactions on Information Systems, 2018, 36, 1-46.	4.9	42
8	Dimensionality Reduction for Data Visualization [Applications Corner]. IEEE Signal Processing Magazine, 2011, 28, 100-104.	5.6	41
9	Improved learning of Riemannian metrics for exploratory analysis. Neural Networks, 2004, 17, 1087-1100.	5.9	37
10	Discriminative Components of Data. IEEE Transactions on Neural Networks, 2005, 16, 68-83.	4.2	36
11	Methods for estimating human endogenous retrovirus activities from EST databases. BMC Bioinformatics, 2007, 8, S11.	2.6	31
12	Topic-Relevance Map. , 2017, , .		29
13	Optimizing Spatial and Temporal Reuse in Wireless Networks by Decentralized Partially Observable Markov Decision Processes. IEEE Transactions on Mobile Computing, 2014, 13, 866-879.	5.8	20
14	Negative Relevance Feedback for Exploratory Search with Visual Interactive Intent Modeling. , 2017, , .		19
15	IntentStreams. , 2015, , .		18
16	Focused multi-task learning in a Gaussian process framework. Machine Learning, 2012, 89, 157-182.	5.4	17
17	Scalable Probabilistic Matrix Factorization with Graph-Based Priors. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 5851-5858.	4.9	16
18	A Joint Modeling Approach for Childhood Meat, Fish and Egg Consumption and the Risk of Advanced Islet Autoimmunity. Scientific Reports, 2019, 9, 7760.	3.3	15

#	ARTICLE	IF	CITATIONS
19	User Model in a Box: Cross-System User Model Transfer for Resolving Cold Start Problems. Lecture Notes in Computer Science, 2015, , 289-301.	1.3	14
20	The Role of Interactive Visualization in Fostering Trust in AI. IEEE Computer Graphics and Applications, 2021, 41, 7-12.	1.2	13
21	Transfer learning using a nonparametric sparse topic model. Neurocomputing, 2013, 112, 124-137.	5.9	12
22	Learning from Relevant Tasks Only. Lecture Notes in Computer Science, 2007, , 608-615.	1.3	12
23	Information retrieval approach to meta-visualization. Machine Learning, 2015, 99, 189-229.	5.4	11
24	Fast Semi-Supervised Discriminative Component Analysis. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	10
25	Digital Me: Controlling and Making Sense of My Digital Footprint. Lecture Notes in Computer Science, 2017, , 155-167.	1.3	10
26	Fault tolerant machine learning for nanoscale cognitive radio. Neurocomputing, 2011, 74, 753-764.	5.9	9
27	SciNet. , 2015, , .		9
28	Visualizations for assessing convergence and mixing of Markov chain Monte Carlo simulations. Computational Statistics and Data Analysis, 2009, 53, 4453-4470.	1.2	8
29	Toward Computational Cumulative Biology by Combining Models of Biological Datasets. PLoS ONE, 2014, 9, e113053.	2.5	8
30	Consumption of differently processed milk products in infancy and early childhood and the risk of islet autoimmunity. British Journal of Nutrition, 2020, 124, 173-180.	2.3	8
31	Regression plane concept for analysing continuous cellular processes with machine learning. Nature Communications, 2021, 12, 2532.	12.8	8
32	Focused Multi-task Learning Using Gaussian Processes. Lecture Notes in Computer Science, 2011, , 310-325.	1.3	8
33	Supervised nonlinear dimensionality reduction by Neighbor Retrieval. , 2009, , .		6
34	GQA: Grammatical Question Answering for RDF Data. Communications in Computer and Information Science, 2018, , 82-97.	0.5	6
35	Learning More Accurate Metrics for Self-Organizing Maps. Lecture Notes in Computer Science, 2002, , 999-1004.	1.3	5
36	Sequential information bottleneck for finite data. , 2004, , .		5

#	ARTICLE	IF	CITATIONS
37	Data Visualization and Analysis with Self-Organizing Maps in Learning Metrics. Lecture Notes in Computer Science, 2001, , 162-173.	1.3	5
38	Rethinking Summarization and Storytelling for Modern Social Multimedia. Lecture Notes in Computer Science, 2018, , 632-644.	1.3	5
39	Latent state models of primary user behavior for opportunistic spectrum access. , 2009, , .		4
40	Efficient optimization for data visualization as an information retrieval task. , 2012, , .		4
41	Visualization by Linear Projections as Information Retrieval. Lecture Notes in Computer Science, 2009, , 237-245.	1.3	4
42	Determining the timing of pubertal onset via a multicohort analysis of growth. PLoS ONE, 2021, 16, e0260137.	2.5	4
43	Visualizations for Assessing Convergence and Mixing of MCMC. Lecture Notes in Computer Science, 2003, , 432-443.	1.3	3
44	Using parsed and annotated corpora to analyze parliamentarians' talk in Finland. Journal of the Association for Information Science and Technology, 2022, 73, 288-302.	2.9	3
45	Directing and Combining Multiple Queries for Exploratory Search by Visual Interactive Intent Modeling. Lecture Notes in Computer Science, 2021, , 514-535.	1.3	3
46	Parallel Coordinate Plots for Neighbor Retrieval. , 2017, , .		3
47	Graph visualization with latent variable models. , 2010, , .		3
48	Computing Stable Demers Cartograms. Lecture Notes in Computer Science, 2019, , 46-60.	1.3	3
49	Enhancing Nearest Neighbor Based Entropy Estimator for High Dimensional Distributions via Bootstrapping Local Ellipsoid. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 5013-5020.	4.9	3
50	Nano-scale fault tolerant machine learning for cognitive radio. , 2008, , .		2
51	Machine Learning: How It Can Help Nanocomputing. Journal of Computational and Theoretical Nanoscience, 2011, 8, 1347-1363.	0.4	2
52	Intentradar. , 2014, , .		2
53	Visualizing activity traces to support collaborative literature searching. , 2017, , .		2
54	MuG-QA: Multilingual Grammatical Question Answering for RDF Data. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
55	Tree-Structured Hierarchical Dirichlet Process. Advances in Intelligent Systems and Computing, 2019, , 291-299.	0.6	2
56	An Information Retrieval Approach for Finding Dependent Subspaces of Multiple Views. Lecture Notes in Computer Science, 2017, , 1-16.	1.3	2
57	Efficient Planning in Large POMDPs through Policy Graph Based Factorized Approximations. Lecture Notes in Computer Science, 2010, , 1-16.	1.3	2
58	Game postmortems vs. developer Reddit AMAs. , 2019, , .		2
59	An information retrieval perspective on visualization of gene expression data with ontological annotation. , 2010, , .		1
60	Relevant subtask learning by constrained mixture models. Intelligent Data Analysis, 2010, 14, 641-662.	0.9	1
61	Multiplicative update for fast optimization of information retrieval based neighbor embedding. , 2013, , .		1
62	Peacock Bundles: Bundle Coloring for Graphs with Globality-Locality Trade-Off. Lecture Notes in Computer Science, 2016, , 52-64.	1.3	1
63	Author Tree-Structured Hierarchical Dirichlet Process. Lecture Notes in Computer Science, 2018, , 311-327.	1.3	1
64	Muutosmallit Helsingin puhekielessÄ. Sananjalka, 2019, 61, 30-56.	0.1	1
65	Adoption of Requirements Engineering Methods in Game Development: A Literature and Postmortem Analysis. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 436-457.	0.3	1
66	Machine learning for signal processing 2010. Neurocomputing, 2012, 80, 1-2.	5.9	0
67	Improving Search Result Comprehension by Topic-Relevance Map Visualization. , 2017, , .		0
68	The World Is Your Playground: A Bibliometric and Text Mining Analysis of Location-Based Game Research. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 160-179.	0.3	0
69	Lects in Helsinki Finnish - a probabilistic component modeling approach. Language Variation and Change, 2021, 33, 1-26.	0.8	0
70	Preliminary Studies on Personalized Preference Prediction from Gaze in Comparing Visualizations. Lecture Notes in Computer Science, 2016, , 576-585.	1.3	0
71	Probabilistic Dynamic Non-negative Group Factor Model for Multi-source Text Mining. , 2020, , .		0