

Wray Buntine

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,791
citations

516710

16
h-index

276875

41
g-index

61
all docs

61
docs citations

61
times ranked

2129
citing authors

#	ARTICLE	IF	CITATIONS
1	SQAPlanner: Generating Data-Informed Software Quality Improvement Plans. IEEE Transactions on Software Engineering, 2022, 48, 2814-2835.	5.6	18
2	Hands-On Bayesian Neural Networks—A Tutorial for Deep Learning Users. IEEE Computational Intelligence Magazine, 2022, 17, 29-48.	3.2	189
3	Recommending content using side information. Applied Intelligence, 2021, 51, 3353-3374.	5.3	6
4	Topic Model or Topic Twaddle? Re-evaluating Semantic Interpretability Measures. , 2021, , .		9
5	Citation context-based topic models: discovering cited and citing topics from full text. Library Hi Tech, 2021, 39, 1063-1083.	5.1	3
6	Topic Modelling Meets Deep Neural Networks: A Survey. , 2021, , .		43
7	Content-Aware Listwise Collaborative Filtering. Neurocomputing, 2021, 461, 479-493.	5.9	6
8	Machine learning after the deep learning revolution. Frontiers of Computer Science, 2020, 14, 1.	2.4	8
9	LoRMkA: Local rule-based model interpretability with k-optimal associations. Information Sciences, 2020, 540, 221-241.	6.9	18
10	Bayesian network classifiers using ensembles and smoothing. Knowledge and Information Systems, 2020, 62, 3457-3480.	3.2	10
11	Gaussian Embedding of Large-Scale Attributed Graphs. Lecture Notes in Computer Science, 2020, , 134-146.	1.3	3
12	Public Perceptions and Attitudes Toward COVID-19 Nonpharmaceutical Interventions Across Six Countries: A Topic Modeling Analysis of Twitter Data. Journal of Medical Internet Research, 2020, 22, e21419.	4.3	79
13	Hierarchical Gradient Smoothing for Probability Estimation Trees. Lecture Notes in Computer Science, 2020, , 222-234.	1.3	1
14	Robust Attribute and Structure Preserving Graph Embedding. Lecture Notes in Computer Science, 2020, , 593-606.	1.3	5
15	Collective Wisdom: Improving Low-resource Neural Machine Translation using Adaptive Knowledge Distillation. , 2020, , .		2
16	Leveraging external information in topic modelling. Knowledge and Information Systems, 2019, 61, 661-693.	3.2	14
17	Leveraging Meta Information in Short Text Aggregation. , 2019, , .		3
18	Experiments with learning graphical models on text. Behaviormetrika, 2018, 45, 363-387.	1.3	2

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19	Accurate parameter estimation for Bayesian network classifiers using hierarchical Dirichlet processes. Machine Learning, 2018, 107, 1303-1331.	5.4	16
20	Efficient parameter learning of Bayesian network classifiers. Machine Learning, 2017, 106, 1289-1329.	5.4	19
21	MetaLDA: A Topic Model that Efficiently Incorporates Meta Information. , 2017, , .		19
22	Towards a Methodology for Nursing-Specific Clinical Decision Support Systems (CDSS). Journal of Decision Systems, 2016, 25, 23-34.	3.2	3
23	Bibliographic analysis on research publications using authors, categorical labels and the citation network. Machine Learning, 2016, 103, 185-213.	5.4	12
24	Nonparametric Bayesian topic modelling with the hierarchical Pitman-Yor processes. International Journal of Approximate Reasoning, 2016, 78, 172-191.	3.3	25
25	Differential Topic Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 230-242.	13.9	14
26	Introduction: special issue of selected papers of ACML 2013. Machine Learning, 2015, 99, 165-167.	5.4	0
27	Experiments with non-parametric topic models. , 2014, , .		31
28	Introduction: special issue of selected papers of ACML 2012. Machine Learning, 2013, 92, 221-223.	5.4	0
29	Improving LDA topic models for microblogs via tweet pooling and automatic labeling. , 2013, , .		293
30	Score-Based Bayesian Skill Learning. Lecture Notes in Computer Science, 2012, , 106-121.	1.3	16
31	Sequential latent Dirichlet Allocation. Knowledge and Information Systems, 2012, 31, 475-503.	3.2	33
32	Sampling Table Configurations for the Hierarchical Poisson-Dirichlet Process. Lecture Notes in Computer Science, 2011, , 296-311.	1.3	12
33	A segmented topic model based on the two-parameter Poisson-Dirichlet process. Machine Learning, 2010, 81, 5-19.	5.4	136
34	Unsupervised Object Discovery: A Comparison. International Journal of Computer Vision, 2010, 88, 284-302.	15.6	149
35	Sequential Latent Dirichlet Allocation: Discover Underlying Topic Structures within a Document. , 2010, , .		27
36	Beyond 2D-grids. , 2010, , .		17

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37	Analyzing the U.S. Senate in 2003: Similarities, Clusters, and Blocs. <i>Political Analysis</i> , 2009, 17, 291-310.	3.3	11
38	Guest editorsâ€™ introduction: Special Issue from ECML PKDD 2009. <i>Machine Learning</i> , 2009, 76, 175-177.	5.4	0
39	Guest editorsâ€™ introduction: special issue of selected papers from ECML PKDD 2009. <i>Data Mining and Knowledge Discovery</i> , 2009, 19, 173-175.	3.7	6
40	Kernel Conditional Quantile Estimation via Reduction Revisited. , 2009, , .		16
41	Exploring Scale-Induced Feature Hierarchies in Natural Images. , 2009, , .		0
42	Product retrieval for grocery stores. , 2008, , .		21
43	Natural language retrieval of grocery products. , 2008, , .		3
44	Open source search and research. , 2007, , .		0
45	Discrete Component Analysis. <i>Lecture Notes in Computer Science</i> , 2006, , 1-33.	1.3	43
46	SIGIR06 workshop report. <i>ACM SIGIR Forum</i> , 2006, 40, 61-65.	0.5	11
47	A temporally adaptive content-based relevance ranking algorithm. , 2005, , .		14
48	Open source search. <i>ACM SIGIR Forum</i> , 2005, 39, 4-10.	0.5	6
49	Variational Extensions to EM and Multinomial PCA. <i>Lecture Notes in Computer Science</i> , 2002, , 23-34.	1.3	58
50	A guide to the literature on learning probabilistic networks from data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 1996, 8, 195-210.	5.7	338
51	On solving equations and disequations. <i>Journal of the ACM</i> , 1994, 41, 591-629.	2.2	17
52	Computing second derivatives in feed-forward networks: a review. <i>IEEE Transactions on Neural Networks</i> , 1994, 5, 480-488.	4.2	82
53	A further comparison of splitting rules for decision-tree induction. <i>Machine Learning</i> , 1992, 8, 75-85.	5.4	163
54	A Further Comparison of Splitting Rules for Decision-Tree Induction. <i>Machine Learning</i> , 1992, 8, 75-85.	5.4	122

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55	Learning classification trees. <i>Statistics and Computing</i> , 1992, 2, 63-73.	1.5	307
56	Theory Refinement on Bayesian Networks. , 1991, , 52-60.		310
57	Modelling default and likelihood reasoning as probabilistic reasoning. <i>Annals of Mathematics and Artificial Intelligence</i> , 1991, 4, 25-68.	1.3	1
58	Inductive knowledge acquisition and induction methodologies. <i>Knowledge-Based Systems</i> , 1989, 2, 52-61.	7.1	4
59	Induction of Horn clauses: methods and the plausible generalization algorithm. <i>International Journal of Man-Machine Studies</i> , 1987, 26, 499-519.	0.7	14