

Wray Buntine

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2056034/publications.pdf>

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 | A guide to the literature on learning probabilistic networks from data. IEEE Transactions on Knowledge and Data Engineering, 1996, 8, 195-210. | 5.7 | 338 |
| 2 | Theory Refinement on Bayesian Networks. , 1991, , 52-60. | | 310 |
| 3 | Learning classification trees. Statistics and Computing, 1992, 2, 63-73. | 1.5 | 307 |
| 4 | Improving LDA topic models for microblogs via tweet pooling and automatic labeling. , 2013, , . | | 293 |
| 5 | Hands-On Bayesian Neural Networksâ€”A Tutorial for Deep Learning Users. IEEE Computational Intelligence Magazine, 2022, 17, 29-48. | 3.2 | 189 |
| 6 | A further comparison of splitting rules for decision-tree induction. Machine Learning, 1992, 8, 75-85. | 5.4 | 163 |
| 7 | Unsupervised Object Discovery: A Comparison. International Journal of Computer Vision, 2010, 88, 284-302. | 15.6 | 149 |
| 8 | A segmented topic model based on the two-parameter Poisson-Dirichlet process. Machine Learning, 2010, 81, 5-19. | 5.4 | 136 |
| 9 | A Further Comparison of Splitting Rules for Decision-Tree Induction. Machine Learning, 1992, 8, 75-85. | 5.4 | 122 |
| 10 | Computing second derivatives in feed-forward networks: a review. IEEE Transactions on Neural Networks, 1994, 5, 480-488. | 4.2 | 82 |
| 11 | 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 |
| 12 | Variational Extensions to EM and Multinomial PCA. Lecture Notes in Computer Science, 2002, , 23-34. | 1.3 | 58 |
| 13 | Discrete Component Analysis. Lecture Notes in Computer Science, 2006, , 1-33. | 1.3 | 43 |
| 14 | Topic Modelling Meets Deep Neural Networks: A Survey. , 2021, , . | | 43 |
| 15 | Sequential latent Dirichlet Allocation. Knowledge and Information Systems, 2012, 31, 475-503. | 3.2 | 33 |
| 16 | Experiments with non-parametric topic models. , 2014, , . | | 31 |
| 17 | Sequential Latent Dirichlet Allocation: Discover Underlying Topic Structures within a Document. , 2010, , . | | 27 |
| 18 | Nonparametric Bayesian topic modelling with the hierarchical Pitmanâ€™s-Yor processes. International Journal of Approximate Reasoning, 2016, 78, 172-191. | 3.3 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Product retrieval for grocery stores. , 2008, , . | | 21 |
| 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 | LoRMikA: Local rule-based model interpretability with k-optimal associations. Information Sciences, 2020, 540, 221-241. | 6.9 | 18 |
| 23 | SQAPlanner: Generating Data-Informed Software Quality Improvement Plans. IEEE Transactions on Software Engineering, 2022, 48, 2814-2835. | 5.6 | 18 |
| 24 | On solving equations and disequations. Journal of the ACM, 1994, 41, 591-629. | 2.2 | 17 |
| 25 | Beyond 2D-grids. , 2010, , . | | 17 |
| 26 | Kernel Conditional Quantile Estimation via Reduction Revisited. , 2009, , . | | 16 |
| 27 | Score-Based Bayesian Skill Learning. Lecture Notes in Computer Science, 2012, , 106-121. | 1.3 | 16 |
| 28 | Accurate parameter estimation for Bayesian network classifiers using hierarchical Dirichlet processes. Machine Learning, 2018, 107, 1303-1331. | 5.4 | 16 |
| 29 | Induction of Horn clauses: methods and the plausible generalization algorithm. International Journal of Man-Machine Studies, 1987, 26, 499-519. | 0.7 | 14 |
| 30 | A temporally adaptive content-based relevance ranking algorithm. , 2005, , . | | 14 |
| 31 | Differential Topic Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 230-242. | 13.9 | 14 |
| 32 | Leveraging external information in topic modelling. Knowledge and Information Systems, 2019, 61, 661-693. | 3.2 | 14 |
| 33 | Bibliographic analysis on research publications using authors, categorical labels and the citation network. Machine Learning, 2016, 103, 185-213. | 5.4 | 12 |
| 34 | Sampling Table Configurations for the Hierarchical Poisson-Dirichlet Process. Lecture Notes in Computer Science, 2011, , 296-311. | 1.3 | 12 |
| 35 | Analyzing the U.S. Senate in 2003: Similarities, Clusters, and Blocs. Political Analysis, 2009, 17, 291-310. | 3.3 | 11 |
| 36 | SIGIR06 workshop report. ACM SIGIR Forum, 2006, 40, 61-65. | 0.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Bayesian network classifiers using ensembles and smoothing. Knowledge and Information Systems, 2020, 62, 3457-3480. | 3.2 | 10 |
| 38 | Topic Model or Topic Twaddle? Re-evaluating Semantic Interpretability Measures. , 2021, , . | | 9 |
| 39 | Machine learning after the deep learning revolution. Frontiers of Computer Science, 2020, 14, 1. | 2.4 | 8 |
| 40 | Guest editorsâ€™ introduction: special issue of selected papers from ECML PKDD 2009. Data Mining and Knowledge Discovery, 2009, 19, 173-175. | 3.7 | 6 |
| 41 | Recommending content using side information. Applied Intelligence, 2021, 51, 3353-3374. | 5.3 | 6 |
| 42 | Content-Aware Listwise Collaborative Filtering. Neurocomputing, 2021, 461, 479-493. | 5.9 | 6 |
| 43 | Open source search. ACM SIGIR Forum, 2005, 39, 4-10. | 0.5 | 6 |
| 44 | Robust Attribute and Structure Preserving Graph Embedding. Lecture Notes in Computer Science, 2020, , 593-606. | 1.3 | 5 |
| 45 | Inductive knowledge acquisition and induction methodologies. Knowledge-Based Systems, 1989, 2, 52-61. | 7.1 | 4 |
| 46 | Natural language retrieval of grocery products. , 2008, , . | | 3 |
| 47 | Towards a Methodology for Nursing-Specific Clinical Decision Support Systems (CDSS). Journal of Decision Systems, 2016, 25, 23-34. | 3.2 | 3 |
| 48 | Citation context-based topic models: discovering cited and citing topics from full text. Library Hi Tech, 2021, 39, 1063-1083. | 5.1 | 3 |
| 49 | Gaussian Embedding of Large-Scale Attributed Graphs. Lecture Notes in Computer Science, 2020, , 134-146. | 1.3 | 3 |
| 50 | Leveraging Meta Information in Short Text Aggregation. , 2019, , . | | 3 |
| 51 | Experiments with learning graphical models on text. Behaviormetrika, 2018, 45, 363-387. | 1.3 | 2 |
| 52 | Collective Wisdom: Improving Low-resource Neural Machine Translation using Adaptive Knowledge Distillation. , 2020, , . | | 2 |
| 53 | Modelling default and likelihood reasoning as probabilistic reasoning. Annals of Mathematics and Artificial Intelligence, 1991, 4, 25-68. | 1.3 | 1 |
| 54 | Hierarchical Gradient Smoothing for Probability Estimation Trees. Lecture Notes in Computer Science, 2020, , 222-234. | 1.3 | 1 |

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|----|--|-----|-----------|
| 55 | Open source search and research. , 2007, , . | | 0 |
| 56 | Guest editorsâ€™ introduction: Special Issue from ECML PKDD 2009. Machine Learning, 2009, 76, 175-177. | 5.4 | 0 |
| 57 | Exploring Scale-Induced Feature Hierarchies in Natural Images. , 2009, , . | | 0 |
| 58 | Introduction: special issue of selected papers of ACML 2012. Machine Learning, 2013, 92, 221-223. | 5.4 | 0 |
| 59 | Introduction: special issue of selected papers of ACML 2013. Machine Learning, 2015, 99, 165-167. | 5.4 | 0 |