

Qiang Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

15,151

citations

27

h-index

78

g-index

78

ext. papers

19,711

ext. citations

4.6

avg, IF

7.24

L-index

#	Paper	IF	Citations
67	Toward Personalized Federated Learning.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	20
66	Towards Efficient Synchronous Federated Training: A Survey on System Optimization Strategies. <i>IEEE Transactions on Big Data</i> , 2022 , 1-1	3.2	
65	Toward Responsible AI: An Overview of Federated Learning for User-centered Privacy-preserving Computing. <i>ACM Transactions on Interactive Intelligent Systems</i> , 2021 , 11, 1-22	1.8	1
64	A GDPR-compliant Ecosystem for Speech Recognition with Transfer, Federated, and Evolutionary Learning. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2021 , 12, 1-19	8	1
63	A Survey on Multi-Task Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	4.2	109
62	SecureBoost: A Lossless Federated Learning Framework. <i>IEEE Intelligent Systems</i> , 2021 , 1-1	4.2	41
61	Federated Learning in Mobile Edge Networks: A Comprehensive Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 2031-2063	37.1	414
60	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9575-9588	10.7	51
59	A Multi-player Game for Studying Federated Learning Incentive Schemes 2020 ,		6
58	Secure Federated Matrix Factorization. <i>IEEE Intelligent Systems</i> , 2020 , 1-1	4.2	39
57	Transfer Hierarchical Attention Network for Generative Dialog System. <i>International Journal of Automation and Computing</i> , 2019 , 16, 720-736	3.5	8
56	Privacy-Preserving Stacking with Application to Cross-organizational Diabetes Prediction 2019 ,		4
55	Multi-Agent Visualization for Explaining Federated Learning 2019 ,		7
54	Privacy-preserving Heterogeneous Federated Transfer Learning 2019 ,		20
53	Millionaire: a hint-guided approach for crowdsourcing. <i>Machine Learning</i> , 2019 , 108, 831-858	4	0
52	Transfer to Rank for Heterogeneous One-Class Collaborative Filtering. <i>ACM Transactions on Information Systems</i> , 2019 , 37, 1-20	4.8	12
51	An overview of multi-task learning. <i>National Science Review</i> , 2018 , 5, 30-43	10.8	209

50	Building Ethics into Artificial Intelligence 2018 ,		44
49	A dataset of human decision-making in teamwork management. <i>Scientific Data</i> , 2017 , 4, 160127	8.2	9
48	Temporal Skeletonization on Sequential Data: Patterns, Categorization, and Visualization. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 211-223	4.2	20
47	Mitigating Herding in Hierarchical Crowdsourcing Networks. <i>Scientific Reports</i> , 2016 , 6, 4	4.9	77
46	Introduction to the IEEE Transactions on Big Data. <i>IEEE Transactions on Big Data</i> , 2015 , 1, 2-15	3.2	3
45	Multi-transfer: Transfer learning with multiple views and multiple sources. <i>Statistical Analysis and Data Mining</i> , 2014 , 7, 282-293	1.4	20
44	Trace-Oriented Feature Analysis for Large-Scale Text Data Dimension Reduction. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2011 , 23, 1103-1117	4.2	29
43	Learning with Positive and Unlabeled Examples Using Topic-Sensitive PLSA. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 46-58	4.2	27
42	Social Learning. <i>IEEE Intelligent Systems</i> , 2010 , 25, 9-11	4.2	5
41	Bridging Domains Using World Wide Knowledge for Transfer Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 770-783	4.2	39
40	A Survey on Transfer Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010 , 22, 1345-1359	4.2	8958
39	Protein-protein interaction prediction via Collective Matrix Factorization 2010 ,		31
38	Three challenges in data mining. <i>Frontiers of Computer Science</i> , 2010 , 4, 324-333		5
37	LoSeCo: Location-based search computing for pervasive device augmentation 2009 ,		1
36	Synthesizing Novel Dimension Reduction Algorithms in Matrix Trace Oriented Optimization Framework 2009 ,		1
35	Knowledge Transfer among Heterogeneous Information Networks 2009 ,		2
34	Sensor-Based Abnormal Human-Activity Detection. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 1082-1090	4.2	232
33	Learning Adaptive Temporal Radio Maps for Signal-Strength-Based Location Estimation. <i>IEEE Transactions on Mobile Computing</i> , 2008 , 7, 869-883	4.6	142

32	TOFA: Trace Oriented Feature Analysis in Text Categorization 2008 ,		1
31	Top 10 algorithms in data mining. <i>Knowledge and Information Systems</i> , 2008 , 14, 1-37	2.4	2896
30	Document Transformation for Multi-label Feature Selection in Text Categorization 2007 ,		59
29	Extracting Actionable Knowledge from Decision Trees. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2007 , 19, 43-56	4.2	54
28	ARMS: an automatic knowledge engineering tool for learning action models for AI planning. <i>Knowledge Engineering Review</i> , 2007 , 22, 135-152	2.1	10
27	Test-cost sensitive classification on data with missing values. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2006 , 18, 626-638	4.2	40
26	10 CHALLENGING PROBLEMS IN DATA MINING RESEARCH. <i>International Journal of Information Technology and Decision Making</i> , 2006 , 05, 597-604	2.8	508
25	Multidimensional Vector Regression for Accurate and Low-Cost Location Estimation in Pervasive Computing. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2006 , 18, 1181-1193	4.2	80
24	Learning Contextual Dependency Network Models for Link-Based Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2006 , 18, 1482-1496	4.2	13
23	Diverse Topic Phrase Extraction through Latent Semantic Analysis. <i>IEEE International Conference on Data Mining</i> , 2006 ,		7
22	Adding Semantics to Email Clustering. <i>IEEE International Conference on Data Mining</i> , 2006 ,		10
21	Text Classification Improved through Automatically Extracted Sequences 2006 ,		1
20	A Novel Scalable Algorithm for Supervised Subspace Learning. <i>IEEE International Conference on Data Mining</i> , 2006 ,		5
19	Latent Friend Mining from Blog Data. <i>IEEE International Conference on Data Mining</i> , 2006 ,		33
18	Power-efficient access-point selection for indoor location estimation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2006 , 18, 877-888	4.2	206
17	Mining Adaptive Ratio Rules from Distributed Data Sources. <i>Data Mining and Knowledge Discovery</i> , 2006 , 12, 249-273	5.6	2
16	Mining Customer Value: From Association Rules to Direct Marketing. <i>Data Mining and Knowledge Discovery</i> , 2005 , 11, 57-79	5.6	61
15	Advances in conversational case-based reasoning. <i>Knowledge Engineering Review</i> , 2005 , 20, 247-254	2.1	34

14	Guest Editors Introduction: Mining Actionable Knowledge on the Web. <i>IEEE Intelligent Systems</i> , 2004 , 19, 30-31	4.2	2
13	Web-log cleaning for constructing sequential classifiers. <i>Applied Artificial Intelligence</i> , 2003 , 17, 431-441	2.3	6
12	A Data Cube Model for Prediction-Based Web Prefetching. <i>Journal of Intelligent Information Systems</i> , 2003 , 20, 11-30	2.1	23
11	SANet: a service-agent network for call-center scheduling. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2003 , 33, 396-406		1
10	Data preparation for data mining. <i>Applied Artificial Intelligence</i> , 2003 , 17, 375-381	2.3	240
9	Adaptive Temporal Radio Maps for Indoor Location Estimation		51
8	Efficient text classification by weighted proximal SVM		15
7	Cluster cores-based clustering for high dimensional data		1
6	Test-cost sensitive naive Bayes classification		17
5	Mining high utility itemsets		143
4	Postprocessing decision trees to extract actionable knowledge		13
3	Mining plans for customer-class transformation		2
2	Integrating hidden Markov models and spectral analysis for sensory time series clustering		9
1	Reducing the Calibration Effort for Location Estimation Using Unlabeled Samples		19