Qiang Yang

List of Publications by Year in Descending Order

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.. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, PP,	10.3	20
66	Towards Efficient Synchronous Federated Training: A Survey on System Optimization Strategies. *IEEE Transactions on Big Data*, **2022**, 1-1	3.2	
65	Toward Responsible AI: An Overview of Federated Learning for User-centered Privacy-preserving Computing. *ACM Transactions on Interactive Intelligent Systems*, **2021**, 11, 1-22	1.8	1
64	A GDPR-compliant Ecosystem for Speech Recognition with Transfer, Federated, and Evolutionary Learning. *ACM Transactions on Intelligent Systems and Technology*, **2021**, 12, 1-19	8	1
63	A Survey on Multi-Task Learning. *IEEE Transactions on Knowledge and Data Engineering*, **2021**, 1-1	4.2	109
62	SecureBoost: A Lossless Federated Learning Framework. *IEEE Intelligent Systems*, **2021**, 1-1	4.2	41
61	Federated Learning in Mobile Edge Networks: A Comprehensive Survey. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 2031-2063	37.1	414
60	. *IEEE Internet of Things Journal*, **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. *IEEE Intelligent Systems*, **2020**, 1-1	4.2	39
57	Transfer Hierarchical Attention Network for Generative Dialog System. *International Journal of Automation and Computing*, **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. *Machine Learning*, **2019**, 108, 831-858	4	0
52	Transfer to Rank for Heterogeneous One-Class Collaborative Filtering. *ACM Transactions on Information Systems*, **2019**, 37, 1-20	4.8	12
51	An overview of multi-task learning. *National Science Review*, **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. *Scientific Data*, **2017**, 4, 160127	8.2	9
48	Temporal Skeletonization on Sequential Data: Patterns, Categorization, and Visualization. *IEEE Transactions on Knowledge and Data Engineering*, **2016**, 28, 211-223	4.2	20
47	Mitigating Herding in Hierarchical Crowdsourcing Networks. *Scientific Reports*, **2016**, 6, 4	4.9	77
46	Introduction to the IEEE Transactions on Big Data. *IEEE Transactions on Big Data*, **2015**, 1, 2-15	3.2	3
45	Multi-transfer: Transfer learning with multiple views and multiple sources. *Statistical Analysis and Data Mining*, **2014**, 7, 282-293	1.4	20
44	Trace-Oriented Feature Analysis for Large-Scale Text Data Dimension Reduction. *IEEE Transactions on Knowledge and Data Engineering*, **2011**, 23, 1103-1117	4.2	29
43	Learning with Positive and Unlabeled Examples Using Topic-Sensitive PLSA. *IEEE Transactions on Knowledge and Data Engineering*, **2010**, 22, 46-58	4.2	27
42	Social Learning. *IEEE Intelligent Systems*, **2010**, 25, 9-11	4.2	5
41	Bridging Domains Using World Wide Knowledge for Transfer Learning. *IEEE Transactions on Knowledge and Data Engineering*, **2010**, 22, 770-783	4.2	39
40	A Survey on Transfer Learning. *IEEE Transactions on Knowledge and Data Engineering*, **2010**, 22, 1345-1359	4.2	8958
39	Protein-protein interaction prediction via Collective Matrix Factorization **2010**,		31
38	Three challenges in data mining. *Frontiers of Computer Science*, **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. *IEEE Transactions on Knowledge and Data Engineering*, **2008**, 20, 1082-1090	4.2	232
33	Learning Adaptive Temporal Radio Maps for Signal-Strength-Based Location Estimation. *IEEE Transactions on Mobile Computing*, **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. *Knowledge and Information Systems*, **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. *IEEE Transactions on Knowledge and Data Engineering*, **2007**, 19, 43-56	4.2	54
28	ARMS: an automatic knowledge engineering tool for learning action models for AI planning. *Knowledge Engineering Review*, **2007**, 22, 135-152	2.1	10
27	Test-cost sensitive classification on data with missing values. *IEEE Transactions on Knowledge and Data Engineering*, **2006**, 18, 626-638	4.2	40
26	10 CHALLENGING PROBLEMS IN DATA MINING RESEARCH. *International Journal of Information Technology and Decision Making*, **2006**, 05, 597-604	2.8	508
25	Multidimensional Vector Regression for Accurate and Low-Cost Location Estimation in Pervasive Computing. *IEEE Transactions on Knowledge and Data Engineering*, **2006**, 18, 1181-1193	4.2	80
24	Learning Contextual Dependency Network Models for Link-Based Classification. *IEEE Transactions on Knowledge and Data Engineering*, **2006**, 18, 1482-1496	4.2	13
23	Diverse Topic Phrase Extraction through Latent Semantic Analysis. *IEEE International Conference on Data Mining*, **2006**,		7
22	Adding Semantics to Email Clustering. *IEEE International Conference on Data Mining*, **2006**,		10
21	Text Classification Improved through Automatically Extracted Sequences **2006**,		1
20	A Novel Scalable Algorithm for Supervised Subspace Learning. *IEEE International Conference on Data Mining*, **2006**,		5
19	Latent Friend Mining from Blog Data. *IEEE International Conference on Data Mining*, **2006**,		33
18	Power-efficient access-point selection for indoor location estimation. *IEEE Transactions on Knowledge and Data Engineering*, **2006**, 18, 877-888	4.2	206
17	Mining Adaptive Ratio Rules from Distributed Data Sources. *Data Mining and Knowledge Discovery*, **2006**, 12, 249-273	5.6	2
16	Mining Customer Value: From Association Rules to Direct Marketing. *Data Mining and Knowledge Discovery*, **2005**, 11, 57-79	5.6	61
15	Advances in conversational case-based reasoning. *Knowledge Engineering Review*, **2005**, 20, 247-254	2.1	34

List of Publications