

Zhi-yuan Liu

List of Publications by Citations

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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.

111
papers

3,027
citations

26
h-index

53
g-index

122
ext. papers

5,007
ext. citations

4.7
avg, IF

5.86
L-index

#	Paper	IF	Citations
111	Graph neural networks: A review of methods and applications. <i>AI Open</i> , 2020 , 1, 57-81	22.4	338
110	Neural Relation Extraction with Selective Attention over Instances 2016 ,		285
109	Modeling Relation Paths for Representation Learning of Knowledge Bases 2015 ,		192
108	ERNIE: Enhanced Language Representation with Informative Entities 2019 ,		175
107	Relation Classification via Multi-Level Attention CNNs 2016 ,		161
106	End-to-End Neural Ad-hoc Ranking with Kernel Pooling 2017 ,		154
105	Neural Sentiment Classification with User and Product Attention 2016 ,		132
104	Clustering to find exemplar terms for keyphrase extraction 2009 ,		104
103	CANE: Context-Aware Network Embedding for Relation Modeling 2017 ,		103
102	Convolutional Neural Networks for Soft-Matching N-Grams in Ad-hoc Search 2018 ,		90
101	A Unified Model for Word Sense Representation and Disambiguation 2014 ,		87
100	Iterative Entity Alignment via Joint Knowledge Embeddings 2017 ,		79
99	A Neural Network Approach to Jointly Modeling Social Networks and Mobile Trajectories. <i>ACM Transactions on Information Systems</i> , 2017 , 35, 1-28	4.8	71
98	PLDA+. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2011 , 2, 1-18	8	67
97	OpenKE: An Open Toolkit for Knowledge Embedding 2018 ,		65
96	Fast Network Embedding Enhancement via High Order Proximity Approximation 2017 ,		61
95	Legal Judgment Prediction via Topological Learning 2018 ,		58

94	A Unified Framework for Community Detection and Network Representation Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 31, 1051-1065	4.2	39
93	Improved Word Representation Learning with Sememes 2017 ,		36
92	Pre-Trained Models: Past, Present and Future. <i>AI Open</i> , 2021 ,	22.4	35
91	TransNet: Translation-Based Network Representation Learning for Social Relation Extraction 2017 ,		34
90	Image-embodied Knowledge Representation Learning 2017 ,		34
89	Relation Structure-Aware Heterogeneous Information Network Embedding. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 4456-4463	5	31
88	Multi-Interest Network with Dynamic Routing for Recommendation at Tmall 2019 ,		30
87	KEPLER: A Unified Model for Knowledge Embedding and Pre-trained Language Representation. <i>Transactions of the Association for Computational Linguistics</i> , 2021 , 9, 176-194	5.6	28
86	Denosing Distantly Supervised Open-Domain Question Answering 2018 ,		27
85	Word-level Textual Adversarial Attacking as Combinatorial Optimization 2020 ,		26
84	Incorporating Relation Paths in Neural Relation Extraction 2017 ,		26
83	Neural Relation Extraction with Multi-lingual Attention 2017 ,		25
82	Multi-scale Information Diffusion Prediction with Reinforced Recurrent Networks 2019 ,		21
81	Entity-Duet Neural Ranking: Understanding the Role of Knowledge Graph Semantics in Neural Information Retrieval 2018 ,		20
80	Automatic Judgment Prediction via Legal Reading Comprehension. <i>Lecture Notes in Computer Science</i> , 2019 , 558-572	0.9	19
79	Adaptive Graph Encoder for Attributed Graph Embedding 2020 ,		16
78	Few-Shot Generative Conversational Query Rewriting 2020 ,		16
77	Query Suggestion with Feedback Memory Network 2018 ,		15

76	Online Learning of Interpretable Word Embeddings 2015 ,		14
75	Distant Supervision for Relation Extraction with Matrix Completion 2014 ,		14
74	CED: Credible Early Detection of Social Media Rumors. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	14
73	Recent Advances on Neural Headline Generation. <i>Journal of Computer Science and Technology</i> , 2017 , 32, 768-784	1.7	12
72	Lexical Sememe Prediction via Word Embeddings and Matrix Factorization 2017 ,		12
71	CJRC: A Reliable Human-Annotated Benchmark DataSet for Chinese Judicial Reading Comprehension. <i>Lecture Notes in Computer Science</i> , 2019 , 439-451	0.9	12
70	Introduction to Graph Neural Networks. <i>Synthesis Lectures on Artificial Intelligence and Machine Learning</i> , 2020 , 14, 1-127	9.3	11
69	FolkDiffusion: A Graph-Based Tag Suggestion Method for Folksonomies. <i>Lecture Notes in Computer Science</i> , 2010 , 231-240	0.9	10
68	Neural Diffusion Model for Microscopic Cascade Study. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2019 , 1-1	4.2	9
67	Modeling Semantic Compositionality with Sememe Knowledge 2019 ,		9
66	Learning Cross-lingual Word Embeddings via Matrix Co-factorization 2015 ,		9
65	Crossmodal Language Grounding in an Embodied Neurocognitive Model. <i>Frontiers in Neurorobotics</i> , 2020 , 14, 52	3.4	9
64	RHINE: Relation Structure-Aware Heterogeneous Information Network Embedding. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	8
63	Asymmetrical query recommendation method based on bipartite network resource allocation 2008 ,		8
62	Incorporating Chinese Characters of Words for Lexical Sememe Prediction 2018 ,		8
61	Zero-Shot Cross-Lingual Neural Headline Generation. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2018 , 26, 2319-2327	3.6	7
60	Portraying user life status from microblogging posts. <i>Tsinghua Science and Technology</i> , 2013 , 18, 182-195.	4	7
59	Selective Weak Supervision for Neural Information Retrieval 2020 ,		7

58	Incorporating linguistic knowledge for learning distributed word representations. <i>PLoS ONE</i> , 2015 , 10, e0118437	3.7	7
57	Improving Word Representations with Document Labels. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2017 , 25, 863-870	3.6	6
56	Few-Shot Conversational Dense Retrieval 2021 ,		6
55	Country Image in COVID-19 Pandemic: A Case Study of China. <i>IEEE Transactions on Big Data</i> , 2021 , 7, 81-92	3.2	6
54	CPM: A large-scale generative Chinese Pre-trained language model. <i>AI Open</i> , 2021 , 2, 93-99	22.4	6
53	PRISM: Profession Identification in Social Media with Personal Information and Community Structure. <i>Communications in Computer and Information Science</i> , 2015 , 15-27	0.3	5
52	Inferring Correspondences from Multiple Sources for Microblog User Tags. <i>Communications in Computer and Information Science</i> , 2014 , 1-12	0.3	5
51	Estimating translation probabilities for social tag suggestion. <i>Expert Systems With Applications</i> , 2015 , 42, 1950-1959	7.8	4
50	PRISM. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2017 , 8, 1-16	8	4
49	Discriminating gender on Chinese microblog: A study of online behaviour, writing style and preferred vocabulary 2014 ,		4
48	City Flow: Prototype Exploration for Visualizing Urban Traffic Conversations 2012 ,		4
47	Multi-Channel Reverse Dictionary Model. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 312-319	5	4
46	Word Representation 2020 , 13-41		4
45	Cross-lingual Lexical Sememe Prediction 2018 ,		4
44	?????????????. <i>Scientia Sinica Informationis</i> , 2015 , 45, 1536-1546	2.3	4
43	EnglishBot: An AI-Powered Conversational System for Second Language Learning 2021 ,		4
42	Knowledge Transfer via Pre-training for Recommendation: A Review and Prospect. <i>Frontiers in Big Data</i> , 2021 , 4, 602071	2.8	4
41	Deep Learning in Knowledge Graph 2018 , 117-145		4

40	Know what you don't need: Single-Shot Meta-Pruning for attention heads. <i>AI Open</i> , 2021 , 2, 36-42	22.4	4
39	ImgWordle 2014 ,		3
38	Modeling Social Annotations via Latent Reason Identification. <i>IEEE Intelligent Systems</i> , 2010 , 25, 42-49	4.2	3
37	Language Modeling with Sparse Product of Sememe Experts 2018 ,		3
36	Explore Entity Embedding Effectiveness in Entity Retrieval. <i>Lecture Notes in Computer Science</i> , 2019 , 105-116	0.9	3
35	Integrating Image-Based and Knowledge-Based Representation Learning. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2020 , 12, 169-178	3	3
34	Full-Scale Information Diffusion Prediction With Reinforced Recurrent Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	3
33	Tag Correspondence Model for User Tag Suggestion. <i>Journal of Computer Science and Technology</i> , 2015 , 30, 1063-1072	1.7	2
32	User Behaviors in Related Word Retrieval and New Word Detection. <i>ACM Transactions on Asian Language Information Processing</i> , 2011 , 10, 1-26		2
31	Sentence Representation 2020 , 59-89		2
30	Improving Sequence Modeling Ability of Recurrent Neural Networks via Sememes. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2020 , 28, 2364-2373	3.6	2
29	COSINE: Compressive Network Embedding on Large-scale Information Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	2
28	CokeBERT: Contextual knowledge selection and embedding towards enhanced pre-trained language models. <i>AI Open</i> , 2021 , 2, 127-134	22.4	2
27	CSS-LM: A Contrastive Framework for Semi-Supervised Fine-Tuning of Pre-Trained Language Models. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021 , 29, 2930-2941	3.6	2
26	Text-Graph Enhanced Knowledge Graph Representation Learning. <i>Frontiers in Artificial Intelligence</i> , 2021 , 4, 697856	3	2
25	A deep-learning system bridging molecule structure and biomedical text with comprehension comparable to human professionals.. <i>Nature Communications</i> , 2022 , 13, 862	17.4	2
24	Consistency and Variation in Kernel Neural Ranking Model 2018 ,		1
23	Quantifying Chinese Happiness via Large-Scale Microblogging Data 2014 ,		1

22	Creating reflections in public emotion visualization 2013 ,		1
21	Extracting Chinese abbreviation-definition pairs from anchor texts 2011 ,		1
20	Text Classification Based on Transfer Learning and Self-Training 2008 ,		1
19	World Knowledge Representation 2020 , 163-216		1
18	Cross-Modal Representation 2020 , 285-317		1
17	Legal Cause Prediction with Inner Descriptions and Outer Hierarchies. <i>Lecture Notes in Computer Science</i> , 2019 , 573-586	0.9	1
16	Domain-Specific Term Rankings Using Topic Models. <i>Lecture Notes in Computer Science</i> , 2010 , 454-465	0.9	1
15	Reinforced Zero-Shot Cross-Lingual Neural Headline Generation. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2020 , 28, 2572-2584	3.6	1
14	Network Embedding: Theories, Methods, and Applications. <i>Synthesis Lectures on Artificial Intelligence and Machine Learning</i> , 2021 , 15, 1-242	9.3	1
13	Bootstrapping Knowledge Graphs From Images and Text. <i>Frontiers in Neurorobotics</i> , 2019 , 13, 93	3.4	1
12	OpenMatch: An Open Source Library for Neu-IR Research 2021 ,		1
11	Capturing Global Informativeness in Open Domain Keyphrase Extraction. <i>Lecture Notes in Computer Science</i> , 2021 , 275-287	0.9	0
10	Network Representation 2020 , 217-283		0
9	Topic-sensitive neural headline generation. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	0
8	Sememe knowledge computation: a review of recent advances in application and expansion of sememe knowledge bases. <i>Frontiers of Computer Science</i> , 2021 , 15, 1	2.2	0
7	Can prior knowledge help graph-based methods for keyword extraction?. <i>Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities</i> , 2011 , 7, 242		
6	Sememe Knowledge Representation 2020 , 125-161		
5	Event Detection with Dynamic Word-Trigger-Argument Graph Neural Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	4.2	

- 4 Knowledgeable machine learning for natural language processing. *Communications of the ACM*, **2021**, 64, 50-51 2.5
- 3 Document Representation **2020**, 91-123
- 2 Efficient Text Classification Using Term Projection. *Lecture Notes in Computer Science*, **2009**, 230-241 0.9
- 1 Quantifying Asymmetric Semantic Relations from Query Logs by Resource Allocation. *Lecture Notes in Computer Science*, **2009**, 254-265 0.9