

# Liqiang Nie

## List of Publications by Year in descending order

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137  
papers

10,009  
citations

136740

32  
h-index

155451

55  
g-index

138  
all docs

138  
docs citations

138  
times ranked

5215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Collaborative Filtering. , 2017, , .		3,313
2	Attentive Collaborative Filtering. , 2017, , .		552
3	From action to activity: Sensor-based activity recognition. Neurocomputing, 2016, 181, 108-115.	3.5	445
4	MMGCN. , 2019, , .		240
5	Rank-Constrained Spectral Clustering With Flexible Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6073-6082.	7.2	195
6	Depression Detection via Harvesting Social Media: A Multimodal Dictionary Learning Solution. , 2017, , .		185
7	Item Silk Road. , 2017, , .		176
8	Attentive Moment Retrieval in Videos. , 2018, , .		173
9	Disease Inference from Health-Related Questions via Sparse Deep Learning. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 2107-2119.	4.0	155
10	Cross-modal Moment Localization in Videos. , 2018, , .		144
11	Scalable Deep Hashing for Large-Scale Social Image Retrieval. IEEE Transactions on Image Processing, 2020, 29, 1271-1284.	6.0	120
12	Oracle in Image Search. ACM Transactions on Information Systems, 2012, 30, 1-23.	3.8	117
13	Harvesting visual concepts for image search with complex queries. , 2012, , .		116
14	NeuroStylist. , 2017, , .		114
15	Beyond Text QA: Multimedia Answer Generation by Harvesting Web Information. IEEE Transactions on Multimedia, 2013, 15, 426-441.	5.2	108
16	Bridging the Vocabulary Gap between Health Seekers and Healthcare Knowledge. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 396-409.	4.0	100
17	Low-Rank Multi-View Embedding Learning for Micro-Video Popularity Prediction. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1519-1532.	4.0	99
18	Online Multi-modal Hashing with Dynamic Query-adaption. , 2019, , .		97

#	ARTICLE	IF	CITATIONS
19	Neural Multimodal Cooperative Learning Toward Micro-Video Understanding. IEEE Transactions on Image Processing, 2020, 29, 1-14.	6.0	96
20	Graph Convolutional Network Hashing. IEEE Transactions on Cybernetics, 2020, 50, 1460-1472.	6.2	90
21	Graph-Refined Convolutional Network for Multimedia Recommendation with Implicit Feedback. , 2020, , .		89
22	Neural Compatibility Modeling with Attentive Knowledge Distillation. , 2018, , .		85
23	Contrastive Learning for Cold-Start Recommendation. , 2021, , .		85
24	Online Data Organizer: Micro-Video Categorization by Structure-Guided Multimodal Dictionary Learning. IEEE Transactions on Image Processing, 2019, 28, 1235-1247.	6.0	84
25	Beyond Doctors. , 2015, , .		84
26	SCRATCH: A Scalable Discrete Matrix Factorization Hashing Framework for Cross-Modal Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2262-2275.	5.6	78
27	Multimedia answering. , 2011, , .		77
28	Multiple Social Network Learning and Its Application in Volunteerism Tendency Prediction. , 2015, , .		74
29	Surface defect classification in large-scale strip steel image collection via hybrid chromosome genetic algorithm. Neurocomputing, 2016, 181, 86-95.	3.5	69
30	Simple to complex cross-modal learning to rank. Computer Vision and Image Understanding, 2017, 163, 67-77.	3.0	68
31	Enhancing Micro-video Understanding by Harnessing External Sounds. , 2017, , .		68
32	Learning to Recommend Descriptive Tags for Questions in Social Forums. ACM Transactions on Information Systems, 2014, 32, 1-23.	3.8	67
33	Distribution-Oriented Aesthetics Assessment With Semantic-Aware Hybrid Network. IEEE Transactions on Multimedia, 2019, 21, 1209-1220.	5.2	66
34	Harvesting Multiple Sources for User Profile Learning. , 2015, , .		65
35	Dynamic Modality Interaction Modeling for Image-Text Retrieval. , 2021, , .		65
36	Fast Scalable Supervised Hashing. , 2018, , .		62

#	ARTICLE	IF	CITATIONS
37	Context-Aware Multi-View Summarization Network for Image-Text Matching. , 2020, , .		58
38	BATCH: A Scalable Asymmetric Discrete Cross-Modal Hashing. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3507-3519.	4.0	56
39	Data-Driven Answer Selection in Community QA Systems. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1186-1198.	4.0	55
40	Discrete Hashing With Multiple Supervision. IEEE Transactions on Image Processing, 2019, 28, 2962-2975.	6.0	54
41	Learning from Multiple Social Networks. Synthesis Lectures on Information Concepts, Retrieval, and Services, 2016, 8, 1-118.	0.6	51
42	Video Moment Localization via Deep Cross-Modal Hashing. IEEE Transactions on Image Processing, 2021, 30, 4667-4677.	6.0	49
43	Learning robust affinity graph representation for multi-view clustering. Information Sciences, 2021, 544, 155-167.	4.0	48
44	Large-Scale Question Tagging via Joint Question-Topic Embedding Learning. ACM Transactions on Information Systems, 2020, 38, 1-23.	3.8	48
45	User Diverse Preference Modeling by Multimodal Attentive Metric Learning. , 2019, , .		47
46	HesGCN: Hessian graph convolutional networks for semi-supervised classification. Information Sciences, 2020, 514, 484-498.	4.0	47
47	SDMCH: Supervised Discrete Manifold-Embedded Cross-Modal Hashing. , 2018, , .		46
48	Towards Micro-video Understanding by Joint Sequential-Sparse Modeling. , 2017, , .		45
49	Shorter-is-Better. , 2016, , .		44
50	Predicting Image Memorability Through Adaptive Transfer Learning From External Sources. IEEE Transactions on Multimedia, 2017, 19, 1050-1062.	5.2	44
51	Multimedia Question Answering. IEEE MultiMedia, 2012, 19, 72-78.	1.5	43
52	Multi-criteria active deep learning for image classification. Knowledge-Based Systems, 2019, 172, 86-94.	4.0	43
53	Personalized Hashtag Recommendation for Micro-videos. , 2019, , .		43
54	Exploiting Music Play Sequence for Music Recommendation. , 2017, , .		42

#	ARTICLE	IF	CITATIONS
55	On robust image spam filtering via comprehensive visual modeling. Pattern Recognition, 2015, 48, 3227-3238.	5.1	41
56	Chat More. , 2018, , .		38
57	Multimodal Dialog System. , 2019, , .		38
58	Genetic algorithm and mathematical morphology based binarization method for strip steel defect image with non-uniform illumination. Journal of Visual Communication and Image Representation, 2016, 37, 70-77.	1.7	36
59	Supervised Hierarchical Cross-Modal Hashing. , 2019, , .		36
60	Neural Compatibility Modeling With Probabilistic Knowledge Distillation. IEEE Transactions on Image Processing, 2020, 29, 871-882.	6.0	36
61	What Aspect Do You Like. , 2020, , .		36
62	A Framework of Joint Low-Rank and Sparse Regression for Image Memorability Prediction. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1296-1309.	5.6	35
63	An Attribute-Aware Attentive GCN Model for Attribute Missing in Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 4077-4088.	4.0	35
64	Semi-Relaxation Supervised Hashing for Cross-Modal Retrieval. , 2017, , .		34
65	Discrete Factorization Machines for Fast Feature-based Recommendation. , 2018, , .		33
66	Routing Micro-videos via A Temporal Graph-guided Recommendation System. , 2019, , .		32
67	Prototype-guided Attribute-wise Interpretable Scheme for Clothing Matching. , 2019, , .		31
68	User Attention-guided Multimodal Dialog Systems. , 2019, , .		31
69	Supervised Robust Discrete Multimodal Hashing for Cross-Media Retrieval. IEEE Transactions on Multimedia, 2019, 21, 2863-2877.	5.2	30
70	Hierarchical User Intent Graph Network for Multimedia Recommendation. IEEE Transactions on Multimedia, 2022, 24, 2701-2712.	5.2	28
71	A Two-Step Cross-Modal Hashing by Exploiting Label Correlations and Preserving Similarity in Both Steps. , 2019, , .		27
72	Comprehensive Linguistic-Visual Composition Network for Image Retrieval. , 2021, , .		27

#	ARTICLE	IF	CITATIONS
73	Long-tail Hashtag Recommendation for Micro-videos with Graph Convolutional Network. , 2019, , .		26
74	Loss Re-Scaling VQA: Revisiting the Language Prior Problem From a Class-Imbalance View. IEEE Transactions on Image Processing, 2022, 31, 227-238.	6.0	25
75	Multiview Physician-Specific Attributes Fusion for Health Seeking. IEEE Transactions on Cybernetics, 2017, 47, 3680-3691.	6.2	24
76	Quantifying and Alleviating the Language Prior Problem in Visual Question Answering. , 2019, , .		24
77	Coarse-to-Fine Semantic Alignment for Cross-Modal Moment Localization. IEEE Transactions on Image Processing, 2021, 30, 5933-5943.	6.0	24
78	Conversational Image Search. IEEE Transactions on Image Processing, 2021, 30, 7732-7743.	6.0	24
79	Perceptual Attributes Optimization for Multivideo Summarization. IEEE Transactions on Cybernetics, 2016, 46, 2991-3003.	6.2	23
80	Multi-view face hallucination using SVD and a mapping model. Information Sciences, 2019, 488, 181-189.	4.0	23
81	Multi-Modal Interaction Graph Convolutional Network for Temporal Language Localization in Videos. IEEE Transactions on Image Processing, 2021, 30, 8265-8277.	6.0	22
82	Iterative Local-Global Collaboration Learning Towards One-Shot Video Person Re-Identification. IEEE Transactions on Image Processing, 2020, 29, 9360-9372.	6.0	21
83	Graph Convolutional Multi-modal Hashing for Flexible Multimedia Retrieval. , 2021, , .		21
84	Multimodal Compatibility Modeling via Exploring the Consistent and Complementary Correlations. , 2021, , .		21
85	Hierarchical Feature Aggregation Based on Transformer for Image-Text Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6437-6447.	5.6	20
86	Adversarial Graph Convolutional Network for Cross-Modal Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1634-1645.	5.6	17
87	Multimodal Dialog System: Relational Graph-based Context-aware Question Understanding. , 2021, , .		17
88	Semantic-Driven Interpretable Deep Multi-Modal Hashing for Large-Scale Multimedia Retrieval. IEEE Transactions on Multimedia, 2021, 23, 4541-4554.	5.2	17
89	Lipschitz Continuity Guided Knowledge Distillation. , 2021, , .		17
90	Cooperation Learning From Multiple Social Networks: Consistent and Complementary Perspectives. IEEE Transactions on Cybernetics, 2021, 51, 4501-4514.	6.2	16

#	ARTICLE	IF	CITATIONS
91	Model Optimization Boosting Framework for Linear Model Hash Learning. IEEE Transactions on Image Processing, 2020, 29, 4254-4268.	6.0	16
92	Fine-Grained Privacy Detection with Graph-Regularized Hierarchical Attentive Representation Learning. ACM Transactions on Information Systems, 2020, 38, 1-26.	3.8	16
93	A classification model for semantic entailment recognition with feature combination. Neurocomputing, 2016, 208, 127-135.	3.5	15
94	Low-rank regularized tensor discriminant representation for image set classification. Signal Processing, 2019, 156, 62-70.	2.1	15
95	Bridge the semantic gap between pop music acoustic feature and emotion: Build an interpretable model. Neurocomputing, 2016, 208, 333-341.	3.5	14
96	Seeking Micro-influencers for Brand Promotion. , 2019, , .		14
97	Low-Rank Regularized Multi-Representation Learning for Fashion Compatibility Prediction. IEEE Transactions on Multimedia, 2020, 22, 1555-1566.	5.2	14
98	Adversarial-Enhanced Hybrid Graph Network for User Identity Linkage. , 2021, , .		14
99	Modeling Productâ€™s Visual and Functional Characteristics for Recommender Systems. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 1330-1343.	4.0	13
100	Partially Supervised Compatibility Modeling. IEEE Transactions on Image Processing, 2022, 31, 4733-4745.	6.0	13
101	Collocation and Try-on Network. , 2021, , .		12
102	Cross-modal dual subspace learning with adversarial network. Neural Networks, 2020, 126, 132-142.	3.3	11
103	Discover Micro-Influencers for Brands via Better Understanding. IEEE Transactions on Multimedia, 2022, 24, 2595-2605.	5.2	11
104	HS-GCN: Hamming Spatial Graph Convolutional Networks for Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	4.0	10
105	Cross-modal recipe retrieval via parallel- and cross-attention networks learning. Knowledge-Based Systems, 2020, 193, 105428.	4.0	9
106	Tripartite Graph Regularized Latent Low-Rank Representation for Fashion Compatibility Prediction. IEEE Transactions on Multimedia, 2022, 24, 1277-1287.	5.2	9
107	User Identity Linkage Across Social Media via Attentive Time-Aware User Modeling. IEEE Transactions on Multimedia, 2021, 23, 3957-3967.	5.2	9
108	Egocentric Early Action Prediction via Adversarial Knowledge Distillation. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-21.	3.0	9

#	ARTICLE	IF	CITATIONS
109	Privacy-Preserving Synthetic Data Generation for Recommendation Systems. , 2022, , .		9
110	aMM: Towards adaptive ranking of multi-modal documents. International Journal of Multimedia Information Retrieval, 2015, 4, 233-245.	3.6	8
111	PaintNet: A shape-constrained generative framework for generating clothing from fashion model. Multimedia Tools and Applications, 2021, 80, 17183-17203.	2.6	8
112	Reconstruction regularized low-rank subspace learning for cross-modal retrieval. Pattern Recognition, 2021, 113, 107813.	5.1	8
113	Complementary Factorization towards Outfit Compatibility Modeling. , 2021, , .		8
114	Enhancing Factorization Machines With Generalized Metric Learning. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 3740-3753.	4.0	7
115	Dynamic Graph Reasoning for Conversational Open-Domain Question Answering. ACM Transactions on Information Systems, 2022, 40, 1-24.	3.8	7
116	PLM-IPE: A Pixel-Landmark Mutual Enhanced Framework for Implicit Preference Estimation. , 2021, , .		6
117	Compatibility Modeling: Data and Knowledge Applications for Clothing Matching. Synthesis Lectures on Information Concepts, Retrieval, and Services, 2019, 11, 1-138.	0.6	5
118	Efficient Multi-modal Hashing with Online Query Adaption for Multimedia Retrieval. ACM Transactions on Information Systems, 2022, 40, 1-36.	3.8	5
119	Representativeness-aware Aspect Analysis for Brand Monitoring in Social Media. , 2017, , .		5
120	Personalized Item Recommendation for Second-hand Trading Platform. , 2020, , .		5
121	Response Generation by Jointly Modeling Personalized Linguistic Styles and Emotions. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-20.	3.0	5
122	Principal Component Analysis on Graph-Hessian. , 2019, , .		4
123	Focal and Composed Vision-semantic Modeling for Visual Question Answering. , 2021, , .		4
124	Domain Adaptation with Few Labeled Source Samples by Graph Regularization. Neural Processing Letters, 2020, 51, 23-39.	2.0	3
125	Review Polarity-Wise Recommender. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10039-10050.	7.2	3
126	DBiased-P: Dual-Biased Predicate Predictor for Unbiased Scene Graph Generation. IEEE Transactions on Multimedia, 2023, 25, 5319-5329.	5.2	3



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127	Towards organizing health knowledge on community-based health services. Eurasip Journal on Bioinformatics and Systems Biology, 2016, 2016, 18.	1.4	2
128	Hybrid-Attention Enhanced Two-Stream Fusion Network for Video Venue Prediction. IEEE Transactions on Multimedia, 2021, 23, 2917-2929.	5.2	2
129	Quality Matters: Assessing cQA Pair Quality via Transductive Multi-View Learning. , 2018, , .		2
130	Hierarchical Deep Residual Reasoning for Temporal Moment Localization. , 2021, , .		2
131	TryonCM2: Try-on-Enhanced Fashion Compatibility Modeling Framework. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 246-257.	7.2	2
132	Learning Low-Rank Sparse Representations With Robust Relationship Inference for Image Memorability Prediction. IEEE Transactions on Multimedia, 2021, 23, 2259-2272.	5.2	1
133	Multi-Relation Extraction via A Global-Local Graph Convolutional Network. IEEE Transactions on Big Data, 2022, , 1-1.	4.4	1
134	Guest Editorial: Semantic Concept Discovery in MM Data. Multimedia Tools and Applications, 2018, 77, 2945-2946.	2.6	0
135	Guest Editorial: Query understanding. Neurocomputing, 2018, 274, 1-2.	3.5	0
136	Guest Editorial: Spatio-temporal Feature Learning for Unconstrained Video Analysis. Multimedia Tools and Applications, 2018, 77, 29209-29211.	2.6	0
137	Win The Lottery Ticket Via Fourier Analysis: Frequencies Guided Network Pruning. , 2022, , .		0