

# Xing Xie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6515207/publications.pdf>

Version: 2024-02-01

220  
papers

21,047  
citations

134610

34  
h-index

104191

69  
g-index

224  
all docs

224  
docs citations

224  
times ranked

10128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalized News Recommendation: Methods and Challenges. ACM Transactions on Information Systems, 2023, 41, 1-50.	3.8	24
2	A Survey on Knowledge Graph-Based Recommender Systems. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 3549-3568.	4.0	294
3	Graph convolution machine for context-aware recommender system. Frontiers of Computer Science, 2022, 16, 1.	1.6	31
4	FedCTR: Federated Native Ad CTR Prediction with Cross-platform User Behavior Data. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-19.	2.9	11
5	Communication-efficient federated learning via knowledge distillation. Nature Communications, 2022, 13, 2032.	5.8	73
6	FeedRec: News Feed Recommendation with Various User Feedbacks. , 2022, , .		22
7	Multi-level Recommendation Reasoning over Knowledge Graphs with Reinforcement Learning. , 2022, , .		35
8	MINDSim: User Simulator for News Recommenders. , 2022, , .		3
9	A federated graph neural network framework for privacy-preserving personalization. Nature Communications, 2022, 13, .	5.8	53
10	Forest-based Deep Recommender. , 2022, , .		2
11	ProFairRec. , 2022, , .		9
12	Learning Graph Representation With Generative Adversarial Nets. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3090-3103.	4.0	54
13	Product Quantized Collaborative Filtering. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3284-3296.	4.0	7
14	BusBeat: Early Event Detection with Real-Time Bus GPS Trajectories. IEEE Transactions on Big Data, 2021, 7, 371-382.	4.4	6
15	Multilevel Image-Enhanced Sentence Representation Net for Natural Language Inference. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3781-3795.	5.9	7
16	Multi-Stage Network Embedding for Exploring Heterogeneous Edges. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-27.	2.5	1
17	Enhancing Graph Neural Networks via auxiliary training for semi-supervised node classification. Knowledge-Based Systems, 2021, 220, 106884.	4.0	15
18	Self-supervised Graph Learning for Recommendation. , 2021, , .		370

#	ARTICLE	IF	CITATIONS
19	Reinforced Anchor Knowledge Graph Generation for News Recommendation Reasoning. , 2021, , .		19
20	A Hierarchical Attention Model for Social Contextual Image Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1854-1867.	4.0	54
21	Neural news recommendation with negative feedback. CCF Transactions on Pervasive Computing and Interaction, 2020, 2, 178-188.	1.7	14
22	Sequential Recommendation via Cross-Domain Novelty Seeking Trait Mining. Journal of Computer Science and Technology, 2020, 35, 305-319.	0.9	6
23	LightRec: A Memory and Search-Efficient Recommender System. , 2020, , .		39
24	KRED: Knowledge-Aware Document Representation for News Recommendations. , 2020, , .		52
25	Geography-Aware Sequential Location Recommendation. , 2020, , .		125
26	Leveraging Demonstrations for Reinforcement Recommendation Reasoning over Knowledge Graphs. , 2020, , .		68
27	Detecting Entities of Works for Chinese Chatbot. ACM Transactions on Asian and Low-Resource Language Information Processing, 2020, 19, 1-13.	1.3	4
28	MIND: A Large-scale Dataset for News Recommendation. , 2020, , .		175
29	Privacy-Preserving News Recommendation Model Learning. , 2020, , .		69
30	Octopus. , 2020, , .		13
31	Personalized Reason Generation for Explainable Song Recommendation. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-21.	2.9	28
32	NPA. , 2019, , .		169
33	Neural Chinese Named Entity Recognition via CNN-LSTM-CRF and Joint Training with Word Segmentation. , 2019, , .		55
34	Explainable Recommendation through Attentive Multi-View Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 3622-3629.	3.6	60
35	Sentiment Lexicon Enhanced Neural Sentiment Classification. , 2019, , .		11
36	Relation-Aware Graph Convolutional Networks for Agent-Initiated Social E-Commerce Recommendation. , 2019, , .		52

#	ARTICLE	IF	CITATIONS
37	NRPA. , 2019, , .		37
38	Neural Chinese Word Segmentation with Lexicon and Unlabeled Data via Posterior Regularization. , 2019, , .		6
39	Knowledge Graph Convolutional Networks for Recommender Systems. , 2019, , .		513
40	Multi-Task Feature Learning for Knowledge Graph Enhanced Recommendation. , 2019, , .		302
41	Neural Demographic Prediction using Search Query. , 2019, , .		27
42	Exploring High-Order User Preference on the Knowledge Graph for Recommender Systems. ACM Transactions on Information Systems, 2019, 37, 1-26.	3.8	81
43	MSA. , 2019, , .		6
44	Neural Chinese word segmentation with dictionary. Neurocomputing, 2019, 338, 46-54.	3.5	43
45	CAMP: Co-Attention Memory Networks for Diagnosis Prediction in Healthcare. , 2019, , .		32
46	Neural Gender Prediction in Microblogging with Emotion-aware User Representation. , 2019, , .		5
47	NICE: Neural In-Hospital Cost Estimation from Medical Records. , 2019, , .		2
48	Neural Review Rating Prediction with User and Product Memory. , 2019, , .		10
49	ARP. , 2019, , .		9
50	MOBA-Slice: A Time Slice Based Evaluation Framework of Relative Advantage Between Teams in MOBA Games. Communications in Computer and Information Science, 2019, , 23-40.	0.4	6
51	Neural Gender Prediction from News Browsing Data. Lecture Notes in Computer Science, 2019, , 664-676.	1.0	1
52	Co-Attentive Multi-Task Learning for Explainable Recommendation. , 2019, , .		71
53	Hi-Fi Ark: Deep User Representation via High-Fidelity Archive Network. , 2019, , .		17
54	Neural News Recommendation with Attentive Multi-View Learning. , 2019, , .		89

#	ARTICLE	IF	CITATIONS
55	Adaptive User Modeling with Long and Short-Term Preferences for Personalized Recommendation. , 2019, , .		68
56	Collaborative Metric Learning with Memory Network for Multi-Relational Recommender Systems. , 2019, , .		19
57	Neural CTR Prediction for Native Ad. Lecture Notes in Computer Science, 2019, , 600-612.	1.0	2
58	Neural Response Generation with Relevant Emotions for Short Text Conversation. Lecture Notes in Computer Science, 2019, , 117-129.	1.0	4
59	Fast Neural Chinese Named Entity Recognition with Multi-head Self-attention. Communications in Computer and Information Science, 2019, , 98-110.	0.4	0
60	REET: Joint Relation Extraction and Entity Typing via Multi-task Learning. Lecture Notes in Computer Science, 2019, , 327-339.	1.0	2
61	REKER: Relation Extraction with Knowledge of Entity and Relation. Lecture Notes in Computer Science, 2019, , 90-102.	1.0	1
62	Evaluating Image-Inspired Poetry Generation. Lecture Notes in Computer Science, 2019, , 539-551.	1.0	1
63	Personalized Multimedia Item and Key Frame Recommendation. , 2019, , .		5
64	WSDM Cup 2018. , 2018, , .		10
65	Scalable Content-Aware Collaborative Filtering for Location Recommendation. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1122-1135.	4.0	62
66	SHINE. , 2018, , .		222
67	Guest editorial: special issue on mobile crowdsourcing. World Wide Web, 2018, 21, 739-740.	2.7	0
68	DKN. , 2018, , .		650
69	DRN. , 2018, , .		362
70	Automatically Learning Topics and Difficulty Levels of Problems in Online Judge Systems. ACM Transactions on Information Systems, 2018, 36, 1-33.	3.8	36
71	GeoMF++. ACM Transactions on Information Systems, 2018, 36, 1-29.	3.8	90
72	Product Adoption Rate Prediction in a Competitive Market. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 325-338.	4.0	7

#	ARTICLE	IF	CITATIONS
73	Discovering Functional Zones in a City Using Human Movements and Points of Interest. <i>Advances in Geographic Information Science</i> , 2018, , 33-62.	0.3	3
74	Why You Should Listen to This Song: Reason Generation for Explainable Recommendation. , 2018, , .		6
75	A Reinforcement Learning Framework for Explainable Recommendation. , 2018, , .		80
76	RippleNet. , 2018, , .		632
77	Tweet Emoji Prediction Using Hierarchical Model with Attention. , 2018, , .		10
78	Spatial-Aware Deep Recommender System. , 2018, , .		1
79	Collaborative Translational Metric Learning. , 2018, , .		34
80	Neural Sentence-Level Sentiment Classification with Heterogeneous Supervision. , 2018, , .		2
81	Overview of the NLPCC 2018 Shared Task: Social Media User Modeling. <i>Lecture Notes in Computer Science</i> , 2018, , 464-467.	1.0	0
82	Social media and mobility landscape: Uncovering spatial patterns of urban human mobility with multi source data. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	3.3	15
83	How to Impute Missing Ratings?. , 2018, , .		17
84	Knowledge-Based Recommendation with Hierarchical Collaborative Embedding. <i>Lecture Notes in Computer Science</i> , 2018, , 222-234.	1.0	5
85	Attention-driven Factor Model for Explainable Personalized Recommendation. , 2018, , .		39
86	High-order Proximity Preserving Information Network Hashing. , 2018, , .		28
87	xDeepFM. , 2018, , .		591
88	Transcribing Content from Structural Images with Spotlight Mechanism. , 2018, , .		17
89	Context-aware Academic Collaborator Recommendation. , 2018, , .		35
90	Dummy Generation Based on User-Movement Estimation for Location Privacy Protection. <i>IEEE Access</i> , 2018, 6, 22958-22969.	2.6	26

#	ARTICLE	IF	CITATIONS
91	Neural Chinese Word Segmentation with Dictionary Knowledge. Lecture Notes in Computer Science, 2018, , 80-91.	1.0	5
92	Predicting the Spatio-Temporal Evolution of Chronic Diseases in Population with Human Mobility Data. , 2018, , .		19
93	Towards Better Representation Learning for Personalized News Recommendation: a Multi-Channel Deep Fusion Approach. , 2018, , .		69
94	Sequential Recommender System based on Hierarchical Attention Networks. , 2018, , .		221
95	Overview of the NLPCC-ICCPOL 2017 Shared Task: Social Media User Modeling. Lecture Notes in Computer Science, 2018, , 937-941.	1.0	0
96	Network Motif Discovery: A GPU Approach. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 513-528.	4.0	39
97	Beyond the Words. , 2017, , .		56
98	Representation Learning with Pair-wise Constraints for Collaborative Ranking. , 2017, , .		17
99	CCCFNet. , 2017, , .		82
100	Restaurant Survival Analysis with Heterogeneous Information. , 2017, , .		25
101	Prediction and Simulation of Human Mobility Following Natural Disasters. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-23.	2.9	28
102	Representation learning via Dual-Autoencoder for recommendation. Neural Networks, 2017, 90, 83-89.	3.3	85
103	Robust Spammer Detection in Microblogs. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-31.	2.9	27
104	Practical Lessons for Job Recommendations in the Cold-Start Scenario. , 2017, , .		16
105	Discrete Content-aware Matrix Factorization. , 2017, , .		49
106	Sequential Transfer Learning. , 2017, , .		12
107	DeepMob. ACM Transactions on Information Systems, 2017, 35, 1-19.	3.8	37
108	Search by Screenshots for Universal Article Clipping in Mobile Apps. ACM Transactions on Information Systems, 2017, 35, 1-29.	3.8	50

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109	Indigenization of urban mobility. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 469, 232-243.	1.2	20
110	TaskMe: Toward a dynamic and quality-enhanced incentive mechanism for mobile crowd sensing. <i>International Journal of Human Computer Studies</i> , 2017, 102, 14-26.	3.7	76
111	An Early Event Detection Technique with Bus GPS Data. , 2017, , .		8
112	A Multifaceted Model for Cross Domain Recommendation Systems. <i>Lecture Notes in Computer Science</i> , 2017, , 322-333.	1.0	3
113	Collaborative Intent Prediction with Real-Time Contextual Data. <i>ACM Transactions on Information Systems</i> , 2017, 35, 1-33.	3.8	51
114	App Download Forecasting: An Evolutionary Hierarchical Competition Approach. , 2017, , .		11
115	Understanding People Lifestyles: Construction of Urban Movement Knowledge Graph from GPS Trajectory. , 2017, , .		19
116	What Is My Next Job: Predicting the Company Size and Position in Career Changes. , 2016, , .		2
117	Regularized Content-Aware Tensor Factorization Meets Temporal-Aware Location Recommendation. , 2016, , .		18
118	A contextual collaborative approach for app usage forecasting. , 2016, , .		11
119	Mutual Reinforcement of Academic Performance Prediction and Library Book Recommendation. , 2016, , .		13
120	PicPick: a generic data selection framework for mobile crowd photography. <i>Personal and Ubiquitous Computing</i> , 2016, 20, 325-335.	1.9	9
121	Who Wants to Join Me?. , 2016, , .		4
122	Exploring Urban Lifestyles Using a Nonparametric Temporal Graphical Model. , 2016, , .		1
123	PrivTree. , 2016, , .		105
124	Collaborative Knowledge Base Embedding for Recommender Systems. , 2016, , .		979
125	Contextual Intent Tracking for Personal Assistants. , 2016, , .		43
126	UniClip: Leveraging Web Search for Universal Clipping of Articles on Mobile. <i>Data Science and Engineering</i> , 2016, 1, 101-113.	4.6	2



#	ARTICLE	IF	CITATIONS
127	Collaborative Nowcasting for Contextual Recommendation. , 2016, , .		13
128	Exploiting Dining Preference for Restaurant Recommendation. , 2016, , .		45
129	Mining Shopping Patterns for Divergent Urban Regions by Incorporating Mobility Data. , 2016, , .		16
130	Who Will Reply to/Retweet This Tweet?. , 2016, , .		26
131	Relevance Meets Coverage. ACM Transactions on Intelligent Systems and Technology, 2016, 7, 1-30.	2.9	34
132	Dummy-Based User Location Anonymization Under Real-World Constraints. IEEE Access, 2016, 4, 673-687.	2.6	78
133	User-Service Rating Prediction by Exploring Social Users' Rating Behaviors. IEEE Transactions on Multimedia, 2016, 18, 496-506.	5.2	99
134	TaskMe. , 2015, , .		3
135	Mining Indecisiveness in Customer Behaviors. , 2015, , .		22
136	Product Adoption Rate Prediction: A Multi-factor View. , 2015, , .		7
137	An efficient similarity search framework for SimRank over large dynamic graphs. Proceedings of the VLDB Endowment, 2015, 8, 838-849.	2.1	41
138	Lifting the Predictability of Human Mobility on Activity Trajectories. , 2015, , .		7
139	Content-Aware Collaborative Filtering for Location Recommendation Based on Human Mobility Data. , 2015, , .		56
140	Discovering Urban Functional Zones Using Latent Activity Trajectories. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 712-725.	4.0	322
141	Reconstructing individual mobility from smart card transactions: a collaborative space alignment approach. Knowledge and Information Systems, 2015, 44, 299-323.	2.1	23
142	FlierMeet: A Mobile Crowdsensing System for Cross-Space Public Information Reposting, Tagging, and Sharing. IEEE Transactions on Mobile Computing, 2015, 14, 2020-2033.	3.9	129
143	Effective Social Graph Deanonimization Based on Graph Structure and Descriptive Information. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-29.	2.9	23
144	A Novelty-Seeking based Dining Recommender System. , 2015, , .		33

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145	Solving the data sparsity problem in destination prediction. VLDB Journal, 2015, 24, 219-243.	2.7	80
146	Predicting Smartphone Adoption in Social Networks. Lecture Notes in Computer Science, 2015, , 472-485.	1.0	1
147	Guest Editorial Special Issue on Mobile Crowd Sensing for IoT. IEEE Internet of Things Journal, 2015, 2, 355-357.	5.5	4
148	Regularity and Conformity. , 2015, , .		108
149	CEPR. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-27.	2.9	65
150	Sensing the Pulse of Urban Refueling Behavior. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-23.	2.9	46
151	When Location Meets Social Multimedia. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-18.	2.9	40
152	You Are Where You Go. , 2015, , .		109
153	Leveraging Careful Microblog Users for Spammer Detection. , 2015, , .		13
154	Network motif discovery: A GPU approach. , 2015, , .		14
155	Approximate keyword search in semantic trajectory database. , 2015, , .		62
156	Abstract Venue Concept Detection from Location-Based Social Networks. Lecture Notes in Computer Science, 2015, , 147-157.	1.0	0
157	FlierMeet. , 2014, , .		10
158	Mining novelty-seeking trait across heterogeneous domains. , 2014, , .		22
159	Location anonymization using real car trace data for location based services. , 2014, , .		3
160	De-anonymizing social graphs via node similarity. , 2014, , .		5
161	Mining Check-In History for Personalized Location Naming. ACM Transactions on Intelligent Systems and Technology, 2014, 5, 1-25.	2.9	14
162	GeoMF. , 2014, , .		435

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163	Social Marketing Meets Targeted Customers: A Typical User Selection and Coverage Perspective. , 2014, , .		9
164	Inferring social ties between users with human location history. Journal of Ambient Intelligence and Humanized Computing, 2014, 5, 3-19.	3.3	114
165	Adaptive content recommendation for mobile users: Ordering recommendations using a hierarchical context model with granularity. Pervasive and Mobile Computing, 2014, 13, 85-98.	2.1	19
166	Analyzing Location Predictability on Location-Based Social Networks. Lecture Notes in Computer Science, 2014, , 102-113.	1.0	18
167	Investigating How User's Activities in Both Virtual and Physical World Impact Each Other Leveraging LBSN Data. International Journal of Distributed Sensor Networks, 2014, 10, 461780.	1.3	3
168	We know how you live. , 2013, , .		66
169	Destination prediction by sub-trajectory synthesis and privacy protection against such prediction. , 2013, , .		176
170	T-Drive: Enhancing Driving Directions with Taxi Drivers' Intelligence. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 220-232.	4.0	306
171	Sensing the pulse of urban refueling behavior. , 2013, , .		69
172	T-Finder: A Recommender System for Finding Passengers and Vacant Taxis. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 2390-2403.	4.0	352
173	Reconstructing Individual Mobility from Smart Card Transactions: A Space Alignment Approach. , 2013, , .		36
174	Collaborative filtering meets next check-in location prediction. , 2013, , .		33
175	DesTeller. Proceedings of the VLDB Endowment, 2013, 6, 1198-1201.	2.1	29
176	Context-based microblog browsing for mobile users. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 89-104.	0.8	8
177	User Location Anonymization Method for Wide Distribution of Dummies. Lecture Notes in Computer Science, 2013, , 259-273.	1.0	11
178	A dummy-based anonymization method based on user trajectory with pauses. , 2012, , .		52
179	Towards the taxonomy-oriented categorization of yellow pages queries. ACM Transactions on Internet Technology, 2012, 11, 1-27.	3.0	3
180	Discovering regions of different functions in a city using human mobility and POIs. , 2012, , .		705

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181	Reducing Uncertainty of Low-Sampling-Rate Trajectories. , 2012, , .		164
182	Social itinerary recommendation from user-generated digital trails. Personal and Ubiquitous Computing, 2012, 16, 469-484.	1.9	104
183	Towards mobile intelligence: Learning from GPS history data for collaborative recommendation. Artificial Intelligence, 2012, 184-185, 17-37.	3.9	158
184	Learning travel recommendations from user-generated GPS traces. ACM Transactions on Intelligent Systems and Technology, 2011, 2, 1-29.	2.9	296
185	Learning location naming from user check-in histories. , 2011, , .		45
186	A greener transportation mode. , 2011, , .		40
187	Recommending friends and locations based on individual location history. ACM Transactions on the Web, 2011, 5, 1-44.	2.0	352
188	Retrieving k-Nearest Neighboring Trajectories by a Set of Point Locations. Lecture Notes in Computer Science, 2011, , 223-241.	1.0	34
189	Collaborative activity recognition via check-in history. , 2011, , .		23
190	TDMA'11 workshop overview. , 2011, , .		0
191	Where to find my next passenger. , 2011, , .		263
192	Urban computing with taxicabs. , 2011, , .		366
193	Driving with knowledge from the physical world. , 2011, , .		528
194	Bayesian nonparametric modeling of user activities. , 2011, , .		3
195	Location-Based Social Networks: Locations. , 2011, , 277-308.		14
196	Collaborative location and activity recommendations with GPS history data. , 2010, , .		485
197	T-drive. , 2010, , .		702
198	A user location anonymization method for location based services in a real environment. , 2010, , .		36

#	ARTICLE	IF	CITATIONS
199	Finding similar users using category-based location history. , 2010, , .		138
200	Mining people's trips from large scale geo-tagged photos. , 2010, , .		92
201	Searching trajectories by locations. , 2010, , .		167
202	An Interactive-Voting Based Map Matching Algorithm. , 2010, , .		211
203	Learning Location Correlation from GPS Trajectories. , 2010, , .		55
204	Understanding transportation modes based on GPS data for web applications. ACM Transactions on the Web, 2010, 4, 1-36.	2.0	424
205	Smart Itinerary Recommendation Based on User-Generated GPS Trajectories. Lecture Notes in Computer Science, 2010, , 19-34.	1.0	70
206	Location sensitive indexing for image-based advertising. , 2009, , .		10
207	Mining interesting locations and travel sequences from GPS trajectories. , 2009, , .		1,343
208	GeoLife2.0: A Location-Based Social Networking Service. , 2009, , .		139
209	Mining Individual Life Pattern Based on Location History. , 2009, , .		179
210	Mining city landmarks from blogs by graph modeling. , 2009, , .		79
211	Mining correlation between locations using human location history. , 2009, , .		60
212	Mining user similarity based on location history. , 2008, , .		439
213	Learning transportation mode from raw gps data for geographic applications on the web. , 2008, , .		386
214	Mobile Search With Multimodal Queries. Proceedings of the IEEE, 2008, 96, 589-601.	16.4	37
215	Understanding mobility based on GPS data. , 2008, , .		729
216	GeoLife: Managing and Understanding Your Past Life over Maps. , 2008, , .		82

#	ARTICLE	IF	CITATIONS
217	Mining geographic knowledge using location aware topic model. , 2007, , .		71
218	Photo-to-Search: Using Camera Phones to Inquire of the Surrounding World. , 2006, , .		21
219	Photo-to-search. , 2005, , .		40
220	Detecting geographic locations from web resources. , 2005, , .		55