

# Philip S Yu

## 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.

329  
papers

17,239  
citations

56  
h-index

127  
g-index

368  
ext. papers

23,601  
ext. citations

5.5  
avg. IF

7.54  
L-index

#	Paper	IF	Citations
329	Top 10 algorithms in data mining. <i>Knowledge and Information Systems</i> , <b>2008</b> , 14, 1-37	2.4	2896
328	A Comprehensive Survey on Graph Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 4-24	10.3	1098
327	A Framework for Clustering Evolving Data Streams <b>2003</b> , 81-92		794
326	PathSim. <i>Proceedings of the VLDB Endowment</i> , <b>2011</b> , 4, 992-1003	3.1	684
325	Transfer Feature Learning with Joint Distribution Adaptation <b>2013</b> ,		675
324	A holistic lexicon-based approach to opinion mining <b>2008</b> ,		577
323	A survey of heterogeneous information network analysis. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 17-37	4.2	408
322	Heterogeneous Graph Attention Network <b>2019</b> ,		360
321	Joint Deep Modeling of Users and Items Using Reviews for Recommendation <b>2017</b> ,		356
320	Heterogeneous Information Network Embedding for Recommendation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 31, 357-370	4.2	341
319	Adaptation Regularization: A General Framework for Transfer Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 1076-1089	4.2	335
318	Transfer Joint Matching for Unsupervised Domain Adaptation <b>2014</b> ,		332
317	Efficient Algorithms for Mining High Utility Itemsets from Transactional Databases. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2013</b> , 25, 1772-1786	4.2	328
316	Truth Discovery with Multiple Conflicting Information Providers on the Web. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2008</b> , 20, 796-808	4.2	315
315	A Survey of Uncertain Data Algorithms and Applications. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2009</b> , 21, 609-623	4.2	283
314	A Framework for Projected Clustering of High Dimensional Data Streams <b>2004</b> , 852-863		211
313	Anonymizing Classification Data for Privacy Preservation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2007</b> , 19, 711-725	4.2	192

312	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 2479-2492	4.2	188
311	Substructure similarity search in graph databases <b>2005</b> ,		181
310	A Survey on Knowledge Graphs: Representation, Acquisition, and Applications. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	165
309	Leveraging Meta-path based Context for Top- N Recommendation with A Neural Co-Attention Model <b>2018</b> ,		161
308	Inferring anchor links across multiple heterogeneous social networks <b>2013</b> ,		157
307	Differentially Private Data Publishing and Analysis: A Survey. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 1619-1638	4.2	149
306	Efficient Algorithms for Mining Top-K High Utility Itemsets. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 54-67	4.2	143
305	Direction-of-Arrival Estimation Based on Deep Neural Networks With Robustness to Array Imperfections. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 7315-7327	4.9	137
304	A General Model for Multiple View Unsupervised Learning <b>2008</b> ,		132
303	Semantic Path based Personalized Recommendation on Weighted Heterogeneous Information Networks <b>2015</b> ,		130
302	Domain Invariant Transfer Kernel Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 1519-1532	4.2	124
301	Integrating meta-path selection with user-guided object clustering in heterogeneous information networks <b>2012</b> ,		112
300	Efficient Relevance Feedback for Content-Based Image Retrieval by Mining User Navigation Patterns. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2011</b> , 23, 360-372	4.2	99
299	Meta-path based multi-network collective link prediction <b>2014</b> ,		98
298	Correlated network data publication via differential privacy. <i>VLDB Journal</i> , <b>2014</b> , 23, 653-676	3.9	98
297	A Bi-layered Parallel Training Architecture for Large-Scale Convolutional Neural Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2019</b> , 30, 965-976	3.7	98
296	Coupled Behavior Analysis with Applications. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2012</b> , 24, 1378-1392	4.2	96
295	A Survey of Parallel Sequential Pattern Mining. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2019</b> , 13, 1-34	4	94

294	A Framework for Clustering Uncertain Data Streams <b>2008</b> ,		93
293	Transfer Learning on Heterogenous Feature Spaces via Spectral Transformation <b>2010</b> ,		87
292	Deep Learning for Spatio-Temporal Data Mining: A Survey. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	82
291	A Survey of Utility-Oriented Pattern Mining. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 33, 1306-1327	4.2	78
290	Spatial temporal incidence dynamic graph neural networks for traffic flow forecasting. <i>Information Sciences</i> , <b>2020</b> , 521, 277-290	7.7	76
289	Multi-View Clustering Based on Belief Propagation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 1007-1021	4.2	74
288	Efficient Algorithms for Mining the Concise and Lossless Representation of High Utility Itemsets. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 726-739	4.2	73
287	Transferring heterogeneous links across location-based social networks <b>2014</b> ,		73
286	Stratified Transfer Learning for Cross-domain Activity Recognition <b>2018</b> ,		73
285	Embedding of Embedding (EOE) <b>2017</b> ,		72
284	Early classification on time series. <i>Knowledge and Information Systems</i> , <b>2012</b> , 31, 105-127	2.4	72
283	Relevance search in heterogeneous networks <b>2012</b> ,		72
282	HUOPM: High-Utility Occupancy Pattern Mining. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1195-1208	10.2	72
281	Meta path-based collective classification in heterogeneous information networks <b>2012</b> ,		68
280	Distributed Deep Learning Model for Intelligent Video Surveillance Systems with Edge Computing. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 1-1	11.9	68
279	Improving stock market prediction via heterogeneous information fusion. <i>Knowledge-Based Systems</i> , <b>2018</b> , 143, 236-247	7.3	67
278	Predicting Social Links for New Users across Aligned Heterogeneous Social Networks <b>2013</b> ,		66
277	Generative Dual Adversarial Network for Generalized Zero-Shot Learning <b>2019</b> ,		66

276	Improving automatic source code summarization via deep reinforcement learning <b>2018</b> ,		62
275	MMRate <b>2014</b> ,		61
274	Colibri <b>2008</b> ,		58
273	Mining Cluster-Based Temporal Mobile Sequential Patterns in Location-Based Service Environments. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2011</b> , 23, 914-927	4.2	55
272	An unsupervised parameter learning model for RVFL neural network. <i>Neural Networks</i> , <b>2019</b> , 112, 85-97	9.1	54
271	DeepCF: A Unified Framework of Representation Learning and Matching Function Learning in Recommender System. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2019</b> , 33, 61-68	5	54
270	ADANA: Active Name Disambiguation <b>2011</b> ,		54
269	gMLC: a multi-label feature selection framework for graph classification. <i>Knowledge and Information Systems</i> , <b>2012</b> , 31, 281-305	2.4	52
268	Mining interesting user behavior patterns in mobile commerce environments. <i>Applied Intelligence</i> , <b>2013</b> , 38, 418-435	4.9	49
267	Alleviating the Inconsistency Problem of Applying Graph Neural Network to Fraud Detection <b>2020</b> ,		47
266	FakeDetector: Effective Fake News Detection with Deep Diffusive Neural Network <b>2020</b> ,		46
265	Graph OLAP: a multi-dimensional framework for graph data analysis. <i>Knowledge and Information Systems</i> , <b>2009</b> , 21, 41-63	2.4	45
264	Top-k Similarity Join in Heterogeneous Information Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 1710-1723	4.2	44
263	Forward Semi-supervised Feature Selection <b>2008</b> , 970-976		43
262	NEIWalk: Community Discovery in Dynamic Content-Based Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 1734-1748	4.2	42
261	Deep Learning towards Mobile Applications <b>2018</b> ,		41
260	Multi-label classification by mining label and instance correlations from heterogeneous information networks <b>2013</b> ,		41
259	Serendipitous Recommendation in E-Commerce Using Innovator-Based Collaborative Filtering. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 2678-2692	10.2	39

258	RS-Forest: A Rapid Density Estimator for Streaming Anomaly Detection. <i>IEEE International Conference on Data Mining</i> , <b>2014</b> , 2014, 600-609		39
257	Stock Market Prediction via Multi-Source Multiple Instance Learning. <i>IEEE Access</i> , <b>2018</b> , 6, 50720-50728	3.5	39
256	A periodicity-based parallel time series prediction algorithm in cloud computing environments. <i>Information Sciences</i> , <b>2019</b> , 496, 506-537	7.7	38
255	Computing Urban Traffic Congestions by Incorporating Sparse GPS Probe Data and Social Media Data. <i>ACM Transactions on Information Systems</i> , <b>2017</b> , 35, 1-30	4.8	37
254	Hierarchical Taxonomy-Aware and Attentional Graph Capsule RCNNs for Large-Scale Multi-Label Text Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 33, 2505-2519	4.2	35
253	An Efficient Approach for Outlier Detection with Imperfect Data Labels. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 1602-1616	4.2	34
252	Tensor-based Multi-view Feature Selection with Applications to Brain Diseases. <i>IEEE International Conference on Data Mining</i> , <b>2014</b> , 2014, 40-49		34
251	ProUM: Projection-based utility mining on sequence data. <i>Information Sciences</i> , <b>2020</b> , 513, 222-240	7.7	34
250	Integrating heterogeneous information via flexible regularization framework for recommendation. <i>Knowledge and Information Systems</i> , <b>2016</b> , 49, 835-859	2.4	34
249	A brief introduction to agent mining. <i>Autonomous Agents and Multi-Agent Systems</i> , <b>2012</b> , 25, 419-424	2	32
248	Clustering on Multiple Incomplete Datasets via Collective Kernel Learning <b>2013</b> ,		32
247	Comparable dependencies over heterogeneous data. <i>VLDB Journal</i> , <b>2013</b> , 22, 253-274	3.9	31
246	Influence Maximization Across Partially Aligned Heterogenous Social Networks. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 58-69	0.9	31
245	Collective Prediction of Multiple Types of Links in Heterogeneous Information Networks <b>2014</b> ,		30
244	Fine-grained Event Categorization with Heterogeneous Graph Convolutional Networks <b>2019</b> ,		30
243	A Score Prediction Approach for Optional Course Recommendation via Cross-User-Domain Collaborative Filtering. <i>IEEE Access</i> , <b>2019</b> , 7, 19550-19563	3.5	29
242	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 2844-2857	6.6	29
241	Joint Structure Feature Exploration and Regularization for Multi-Task Graph Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2016</b> , 28, 715-728	4.2	29

240	PathSelClus. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2013</b> , 7, 1-23	4	29
239	Discriminative Feature Selection for Uncertain Graph Classification <b>2013</b> , 2013, 82-93	0.8	28
238	Attentional Graph Convolutional Networks for Knowledge Concept Recommendation in MOOCs in a Heterogeneous View <b>2020</b> ,		28
237	CellJoin: a parallel stream join operator for the cell processor. <i>VLDB Journal</i> , <b>2009</b> , 18, 501-519	3.9	27
236	A Survey of Community Detection Approaches: From Statistical Modeling to Deep Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	27
235	Cross View Link Prediction by Learning Noise-resilient Representation Consensus <b>2017</b> ,		26
234	A Comprehensive Study on Social Network Mental Disorders Detection via Online Social Media Mining. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 1212-1225	4.2	26
233	On the Feature Discovery for App Usage Prediction in Smartphones <b>2013</b> ,		26
232	One-class learning and concept summarization for data streams. <i>Knowledge and Information Systems</i> , <b>2011</b> , 28, 523-553	2.4	26
231	Scale-Up Strategies for Processing High-Rate Data Streams in System S. <i>Proceedings - International Conference on Data Engineering</i> , <b>2009</b> ,	2	26
230	SemRec: a personalized semantic recommendation method based on weighted heterogeneous information networks. <i>World Wide Web</i> , <b>2019</b> , 22, 153-184	2.9	26
229	Uncertain One-Class Learning and Concept Summarization Learning on Uncertain Data Streams. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 468-484	4.2	25
228	Automated confidence ranked classification of randomized controlled trial articles: an aid to evidence-based medicine. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2015</b> , 22, 707-17	8.6	25
227	Explainable recommendation with fusion of aspect information. <i>World Wide Web</i> , <b>2019</b> , 22, 221-240	2.9	25
226	Empirical Evaluation of Profile Characteristics for Gender Classification on Twitter <b>2013</b> ,		24
225	Positive and Unlabeled Learning for Graph Classification <b>2011</b> ,		24
224	Correlated utility-based pattern mining. <i>Information Sciences</i> , <b>2019</b> , 504, 470-486	7.7	23
223	Multiple Structure-View Learning for Graph Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 3236-3251	10.3	23

222	DuSK: A Dual Structure-preserving Kernel for Supervised Tensor Learning with Applications to Neuroimages <b>2014</b> , 2014, 127-135	0.8	23
221	Pocket Data Mining: Towards Collaborative Data Mining in Mobile Computing Environments <b>2010</b> ,		21
220	Efficient Mining of a Concise and Lossless Representation of High Utility Itemsets <b>2011</b> ,		21
219	Differentially private model publishing in cyber physical systems. <i>Future Generation Computer Systems</i> , <b>2020</b> , 108, 1297-1306	7.5	21
218	On the Use of Side Information for Mining Text Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 1415-1429	4.2	20
217	Multi-view Clustering with Graph Embedding for Connectome Analysis <b>2017</b> ,		20
216	Streaming Social Event Detection and Evolution Discovery in Heterogeneous Information Networks. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2021</b> , 15, 1-33	4	20
215	Differentially Private Malicious Agent Avoidance in Multiagent Advising Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 4214-4227	10.2	20
214	Extracting diverse-shapelets for early classification on time series. <i>World Wide Web</i> , <b>2020</b> , 23, 3055-3081	2.9	19
213	Efficient Semi-supervised Spectral Co-clustering with Constraints <b>2010</b> ,		19
212	Heterogeneous Graph Matching Networks for Unknown Malware Detection <b>2019</b> ,		18
211	More Than Privacy: Applying Differential Privacy in Key Areas of Artificial Intelligence. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	18
210	Deep Collaborative Filtering with Multi-Aspect Information in Heterogeneous Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 33, 1413-1425	4.2	18
209	On Exploring Semantic Meanings of Links for Embedding Social Networks <b>2018</b> ,		17
208	A framework for dynamic link prediction in heterogeneous networks. <i>Statistical Analysis and Data Mining</i> , <b>2014</b> , 7, 14-33	1.4	17
207	Dynamic Community Detection in Weighted Graph Streams <b>2013</b> ,		17
206	An Integrated Cluster Detection, Optimization, and Interpretation Approach for Financial Data. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	17
205	HinCTI: A Cyber Threat Intelligence Modeling and Identification System Based on Heterogeneous Information Network. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	16



204	Effective Prediction of Missing Data on Apache Spark over Multivariable Time Series. <i>IEEE Transactions on Big Data</i> , <b>2018</b> , 4, 473-486	3.2	16
203	Synergistic partitioning in multiple large scale social networks <b>2014</b> ,		16
202	Future Influence Ranking of Scientific Literature <b>2014</b> ,		16
201	Privacy-Preserving Singular Value Decomposition. <i>Proceedings - International Conference on Data Engineering</i> , <b>2009</b> ,	2	16
200	Graph Pattern Matching: A Join/Semijoin Approach. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2011</b> , 23, 1006-1021	4.2	16
199	. <i>IEEE Transactions on Software Engineering</i> , <b>2020</b> , 1-1	3.5	15
198	Time Sensitive Ranking with Application to Publication Search <b>2008</b> ,		15
197	Evolutionary Clustering by Hierarchical Dirichlet Process with Hidden Markov State <b>2008</b> ,		15
196	Multi-grained Named Entity Recognition <b>2019</b> ,		15
195	A topic model for co-occurring normal documents and short texts. <i>World Wide Web</i> , <b>2018</b> , 21, 487-513	2.9	14
194	Deep and Broad Learning on Content-Aware POI Recommendation <b>2017</b> ,		14
193	Mining Brain Networks Using Multiple Side Views for Neurological Disorder Identification <b>2015</b> ,		14
192	Privacy Preserving Social Network Publication against Mutual Friend Attacks <b>2013</b> ,		14
191	A Comprehensive Survey on Community Detection With Deep Learning.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , PP,	10.3	14
190	Efficient Computation of G-Skyline Groups. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 674-688	4.2	13
189	Constrained-meta-path-based ranking in heterogeneous information network. <i>Knowledge and Information Systems</i> , <b>2016</b> , 49, 719-747	2.4	13
188	Detecting deception in Online Social Networks <b>2014</b> ,		13
187	Determinants of HIV-induced brain changes in three different periods of the early clinical course: A data mining analysis. <i>NeuroImage: Clinical</i> , <b>2015</b> , 9, 75-82	5.3	13

186	A review of heterogeneous data mining for brain disorder identification. <i>Brain Informatics</i> , <b>2015</b> , 2, 253-264	5.9	13
185	Matching heterogeneous events with patterns <b>2014</b> ,		13
184	MVStream: Multiview Data Stream Clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 3482-3496	10.3	13
183	Enhancing stock market prediction with extended coupled hidden Markov model over multi-sourced data. <i>Knowledge and Information Systems</i> , <b>2019</b> , 61, 1071-1090	2.4	13
182	Mining Spatiotemporal Diffusion Network: A New Framework of Active Surveillance Planning. <i>IEEE Access</i> , <b>2019</b> , 7, 108458-108473	3.5	12
181	Subgraph Matching with Set Similarity in a Large Graph Database. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 2507-2521	4.2	12
180	Max-Clique: A Top-Down Graph-Based Approach to Frequent Pattern Mining <b>2010</b> ,		12
179	On the Hardness of Graph Anonymization <b>2011</b> ,		12
178	Distributed Processing of Spatial Alarms: A Safe Region-Based Approach <b>2009</b> ,		12
177	Dirichlet Process Based Evolutionary Clustering <b>2008</b> ,		12
176	Utilizing longitudinal microbiome taxonomic profiles to predict food allergy via Long Short-Term Memory networks. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1006693	5	11
175	Deception detection in Twitter. <i>Social Network Analysis and Mining</i> , <b>2015</b> , 5, 1	2.2	11
174	Clustering Embedded Approaches for Efficient Information Network Inference. <i>Data Science and Engineering</i> , <b>2016</b> , 1, 29-40	3.6	11
173	Multi-view Graph Embedding with Hub Detection for Brain Network Analysis <b>2017</b> ,		11
172	Lifelong Domain Word Embedding via Meta-Learning <b>2018</b> ,		11
171	Multi-task network embedding. <i>International Journal of Data Science and Analytics</i> , <b>2019</b> , 8, 183-198	2	10
170	Network Embedding With Completely-Imbalanced Labels. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	10
169	Steering Information Diffusion Dynamically against User Attention Limitation <b>2014</b> ,		10

168	Multi-information Source HIN for Medical Concept Embedding. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 396-408	0.9	10
167	Parallel Protein Community Detection in Large-scale PPI Networks Based on Multi-source Learning. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2018</b> ,	3	10
166	Joint Embedding of Meta-Path and Meta-Graph for Heterogeneous Information Networks <b>2018</b> ,		10
165	A robust one-class transfer learning method with uncertain data. <i>Knowledge and Information Systems</i> , <b>2015</b> , 44, 407-438	2.4	9
164	On the Generative Discovery of Structured Medical Knowledge <b>2018</b> ,		9
163	Multi-View Fusion with Extreme Learning Machine for Clustering. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2019</b> , 10, 1-23	8	9
162	Structural Diversity for Resisting Community Identification in Published Social Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 235-252	4.2	9
161	Multi-view unsupervised feature selection by cross-diffused matrix alignment <b>2017</b> ,		9
160	Multi-graph Clustering Based on Interior-Node Topology with Applications to Brain Networks. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 476-492	0.9	9
159	Community detection with partially observable links and node attributes <b>2016</b> ,		9
158	Identifying Connectivity Patterns for Brain Diseases via Multi-side-view Guided Deep Architectures <b>2016</b> ,		9
157	Community-preserving Graph Convolutions for Structural and Functional Joint Embedding of Brain Networks <b>2019</b> ,		9
156	Deep Graph Similarity Learning for Brain Data Analysis <b>2019</b> ,		9
155	Efficient Traffic Estimation With Multi-Sourced Data by Parallel Coupled Hidden Markov Model. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 3010-3023	6.1	9
154	Graph Self-Supervised Learning: A Survey. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	9
153	IAD: Interaction-Aware Diffusion Framework in Social Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2019</b> , 31, 1341-1354	4.2	8
152	Hierarchical collaborative embedding for context-aware recommendations <b>2017</b> ,		8
151	Multilabel Consensus Classification <b>2013</b> ,		8

150	Exploiting Local Data Uncertainty to Boost Global Outlier Detection <b>2010</b> ,		8
149	Cognitive structure learning model for hierarchical multi-label text classification. <i>Knowledge-Based Systems</i> , <b>2021</b> , 218, 106876	7.3	8
148	LIME: Low-Cost Incremental Learning for Dynamic Heterogeneous Information Networks. <i>IEEE Transactions on Computers</i> , <b>2021</b> , 1-1	2.5	8
147	Coupled Tensor Decomposition for User Clustering in Mobile Internet Traffic Interaction Pattern. <i>IEEE Access</i> , <b>2019</b> , 7, 18113-18124	3.5	7
146	Deep Collaborative Embedding for information cascade prediction. <i>Knowledge-Based Systems</i> , <b>2020</b> , 193, 105502	7.3	7
145	CPB: a classification-based approach for burst time prediction in cascades. <i>Knowledge and Information Systems</i> , <b>2016</b> , 49, 243-271	2.4	7
144	Mining Knowledge from Data: An Information Network Analysis Approach <b>2012</b> ,		7
143	Exploring Decomposition for Solving Pattern Mining Problems. <i>ACM Transactions on Management Information Systems</i> , <b>2021</b> , 12, 1-36	2	7
142	A meta-feature based unified framework for both cold-start and warm-start explainable recommendations. <i>World Wide Web</i> , <b>2020</b> , 23, 241-265	2.9	7
141	Community detection for emerging social networks. <i>World Wide Web</i> , <b>2017</b> , 20, 1409-1441	2.9	6
140	Active zero-shot learning: a novel approach to extreme multi-labeled classification. <i>International Journal of Data Science and Analytics</i> , <b>2017</b> , 3, 151-160	2	6
139	WS-HFS: A Heterogeneous Feature Selection Framework for Web Services Mining <b>2015</b> ,		6
138	A hybrid coupled k-nearest neighbor algorithm on imbalance data <b>2014</b> ,		6
137	Graph stream classification using labeled and unlabeled graphs <b>2013</b> ,		6
136	Inferring Social Influence of Anti-Tobacco Mass Media Campaign. <i>IEEE Transactions on Nanobioscience</i> , <b>2017</b> , 16, 356-366	3.4	6
135	Multi-task Network Embedding <b>2017</b> ,		6
134	Multiple Social Role Embedding <b>2017</b> ,		6
133	Aggregator: a machine learning approach to identifying MEDLINE articles that derive from the same underlying clinical trial. <i>Methods</i> , <b>2015</b> , 74, 65-70	4.6	6

132	Coupled fuzzy k-nearest neighbors classification of imbalanced non-IID categorical data <b>2014</b> ,		6
131	An Autoencoder Framework With Attention Mechanism for Cross-Domain Recommendation. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	6
130	Reinforced Neighborhood Selection Guided Multi-Relational Graph Neural Networks. <i>ACM Transactions on Information Systems</i> , <b>2022</b> , 40, 1-46	4.8	6
129	Reinforcement Learning-Based Dialogue Guided Event Extraction to Exploit Argument Relations. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2021</b> , 1-1	3.6	6
128	Outlier-Robust Multi-Aspect Streaming Tensor Completion and Factorization <b>2019</b> ,		6
127	Multi-source Multi-view Clustering via discrepancy penalty <b>2016</b> ,		6
126	CDLFM: cross-domain recommendation for cold-start users via latent feature mapping. <i>Knowledge and Information Systems</i> , <b>2020</b> , 62, 1723-1750	2.4	6
125	Locally Balanced Inductive Matrix Completion for Demand-Supply Inference in Stationless Bike-Sharing Systems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 32, 2374-2388	4.2	6
124	Privacy-Preserving Deep Learning Model for Decentralized VANETs Using Fully Homomorphic Encryption and Blockchain. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-10	6.1	6
123	Adversarial learning for multi-view network embedding on incomplete graphs. <i>Knowledge-Based Systems</i> , <b>2019</b> , 180, 91-103	7.3	5
122	An efficient orientation distanceBased discriminative feature extraction method for multi-classification. <i>Knowledge and Information Systems</i> , <b>2014</b> , 39, 409-433	2.4	5
121	Error-robust multi-view clustering <b>2017</b> ,		5
120	Predicting Neighbor Distribution in Heterogeneous Information Networks <b>2015</b> ,		5
119	Optimizing data partition for scaling out NoSQL cluster. <i>Concurrency Computation Practice and Experience</i> , <b>2015</b> , 27, 5793-5809	1.4	5
118	A Parallel Community Structure Mining Method in Big Social Networks. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-13	1.1	5
117	Ensemble of Diverse Sparsifications for Link Prediction in Large-Scale Networks <b>2015</b> ,		5
116	Distant-Time Location Prediction in Low-Sampling-Rate Trajectories <b>2013</b> ,		5
115	A framework for clustering massive graph streams. <i>Statistical Analysis and Data Mining</i> , <b>2010</b> , 3, 399-416	1.4	5

114	Dynamic Graph Collaborative Filtering <b>2020</b> ,		5
113	Deep graph similarity learning: a survey. <i>Data Mining and Knowledge Discovery</i> , <b>2021</b> , 35, 688-725	5.6	5
112	Interpretable and effective opinion spam detection via temporal patterns mining across websites <b>2016</b> ,		5
111	Heterogeneous Graph Matching Networks: Application to Unknown Malware Detection <b>2019</b> ,		5
110	Adaptively Weighted Multiview Proximity Learning for Clustering. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 1571-1585	10.2	5
109	Semi-supervised Deep Representation Learning for Multi-View Problems <b>2018</b> ,		5
108	TKUS: Mining top-k high utility sequential patterns. <i>Information Sciences</i> , <b>2021</b> , 570, 342-359	7.7	5
107	A Survey on Text Classification: From Traditional to Deep Learning. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2022</b> , 13, 1-41	8	5
106	Inverse extreme learning machine for learning with label proportions <b>2017</b> ,		4
105	Robust crowd bias correction via dual knowledge transfer from multiple overlapping sources <b>2015</b> ,		4
104	Why Checkins: Exploring User Motivation on Location Based Social Networks <b>2014</b> ,		4
103	Privacy-Preserving SimRank over Distributed Information Network <b>2012</b> ,		4
102	Identities Anonymization in Dynamic Social Networks <b>2011</b> ,		4
101	A Context-Driven Content Adaptation Planner for Improving Mobile Internet Accessibility <b>2008</b> ,		4
100	Interaction Content Aware Network Embedding via Co-embedding of Nodes and Edges. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 183-195	0.9	4
99	Differentially Private Multi-Agent Planning for Logistic-like Problems. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2020</b> , 1-1	3.9	4
98	User-Guided Large Attributed Graph Clustering with Multiple Sparse Annotations. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 127-138	0.9	4
97	JSCN: Joint Spectral Convolutional Network for Cross Domain Recommendation <b>2019</b> ,		4

96	Network Embedding via Coupled Kernelized Multi-Dimensional Array Factorization. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 32, 2414-2425	4.2	4
95	VideoDG: Generalizing Temporal Relations in Videos to Novel Domains. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	4
94	Learning Bregman Distance Functions for Structural Learning to Rank. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 1916-1927	4.2	3
93	Matching Heterogeneous Events with Patterns. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 1695-1708	4.2	3
92	Cloud Service Community Detection for Real-World Service Networks Based on Parallel Graph Computing. <i>IEEE Access</i> , <b>2019</b> , 7, 131355-131362	3.5	3
91	Differential Advising in Multiagent Reinforcement Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	3
90	Smoothness Regularized Multiview Subspace Clustering With Kernel Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 5047-5060	10.3	3
89	Fairness in Semi-supervised Learning: Unlabeled Data Help to Reduce Discrimination. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	3
88	Reverse Nearest Neighbor Search in Semantic Trajectories for Location based Services. <i>IEEE Transactions on Services Computing</i> , <b>2020</b> , 1-1	4.8	3
87	Measuring the relevance of different-typed objects in weighted signed heterogeneous information networks <b>2017</b> ,		3
86	Identifying HIV-induced subgraph patterns in brain networks with side information. <i>Brain Informatics</i> , <b>2015</b> , 2, 211-223	5.9	3
85	A context-aware approach to detection of short irrelevant texts <b>2015</b> ,		3
84	Pairwise Learning for Name Disambiguation in Large-Scale Heterogeneous Academic Networks <b>2020</b> ,		3
83	Heterogeneous Similarity Graph Neural Network on Electronic Health Records <b>2020</b> ,		3
82	Inferring Diffusion Networks with Sparse Cascades by Structure Transfer. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 405-421	0.9	3
81	Metapath Enhanced Graph Attention Encoder for HINs Representation Learning <b>2019</b> ,		3
80	Beyond Frequency. <i>ACM Transactions on Internet Technology</i> , <b>2021</b> , 21, 1-32	3.8	3
79	On-Shelf Utility Mining of Sequence Data. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2021</b> , 16, 1-31	4	3

78	Reducing uncertainty of dynamic heterogeneous information networks: a fusing reconstructing approach. <i>Data Mining and Knowledge Discovery</i> , <b>2017</b> , 31, 879-906	5.6	2
77	An experimental study on tuning the consistency of NoSQL systems. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e4129	1.4	2
76	Continuous Monitoring of Maximum Clique over Dynamic Graphs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	2
75	Heterogeneous Embedding via Aggregating Multiple Sources. <i>Annals of Data Science</i> , <b>2014</b> , 1, 73-93	1.6	2
74	Computing weight constraint reachability in large networks. <i>VLDB Journal</i> , <b>2013</b> , 22, 275-294	3.9	2
73	Social network and high performance in smart communications. <i>Journal of Supercomputing</i> , <b>2013</b> , 66, 611-613	2.5	2
72	Recommendation for repeat consumption from user implicit feedback (extended abstract) <b>2017</b> ,		2
71	Disentangled Link Prediction for Signed Social Networks via Disentangled Representation Learning <b>2017</b> ,		2
70	Discovering Organizational Correlations from Twitter <b>2014</b> ,		2
69	Multi-Hot Compact Network Embedding <b>2019</b> ,		2
68	Higher Order Connection Enhanced Community Detection in Adversarial Multiview Networks. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
67	Lifelong Property Price Prediction: A Case Study for the Toronto Real Estate Market. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	2
66	More than Privacy. <i>ACM Computing Surveys</i> , <b>2022</b> , 54, 1-37	13.4	2
65	Node Pair Information Preserving Network Embedding Based on Adversarial Networks. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	2
64	Understanding WeChat User Preferences and $\square$ Diffusion. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	2
63	A Survey on Heterogeneous Graph Embedding: Methods, Techniques, Applications and Sources. <i>IEEE Transactions on Big Data</i> , <b>2022</b> , 1-1	3.2	2
62	Concurrent goal-oriented co-clustering generation in social networks <b>2015</b> ,		1
61	Generative temporal link prediction via self-tokenized sequence modeling. <i>World Wide Web</i> , <b>2020</b> , 23, 2471-2488	2.9	1



60	Collective discovery of brain networks with unknown groups <b>2017</b> ,		1
59	RECODS: Replica consistency-on-demand store <b>2013</b> ,		1
58	Service recommendation based on parallel graph computing. <i>Distributed and Parallel Databases</i> , <b>2017</b> , 35, 287-302	0.9	1
57	Optimizing Data Partition for NoSQL Cluster <b>2015</b> ,		1
56	Trajectory Event Cleaning for Mobile RFID Objects <b>2014</b> ,		1
55	GBC: Gradient boosting consensus model for heterogeneous data <i>Statistical Analysis and Data Mining</i> , <b>2014</b> , 7, 161-174	1.4	1
54	Overlapping community detection combining content and link. <i>Journal of Zhejiang University: Science C</i> , <b>2012</b> , 13, 828-839		1
53	G-Bean: An ontology-graph based web tool for biomedical literature retrieval <b>2013</b> ,		1
52	An Efficient Approach for Mining Reliable High Utility Patterns. <i>IEEE Access</i> , <b>2022</b> , 10, 1419-1431	3.5	1
51	Learning from Atypical Behavior: Temporary Interest Aware Recommendation Based on Reinforcement Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	1
50	Multivariate Correlation-aware Spatio-temporal Graph Convolutional Networks for Multi-scale Traffic Prediction. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2022</b> , 13, 1-22	8	1
49	Multi-view Tensor Graph Neural Networks Through Reinforced Aggregation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	1
48	Multi-agent Reinforcement Learning for Service Composition <b>2016</b> ,		1
47	Deep Heterogeneous Social Network Alignment <b>2019</b> ,		1
46	Hybrid Deep Embedding for Recommendations with Dynamic Aspect-Level Explanations <b>2019</b> ,		1
45	Leveraging Semi-Supervised Learning for Fairness using Neural Networks <b>2019</b> ,		1
44	Multi-view collective tensor decomposition for cross-modal hashing. <i>International Journal of Multimedia Information Retrieval</i> , <b>2019</b> , 8, 47-59	2.4	1
43	Mutual clustering on comparative texts via heterogeneous information networks. <i>Knowledge and Information Systems</i> , <b>2020</b> , 62, 175-202	2.4	1

42	Localization of multiple diffusion sources based on overlapping community detection. <i>Knowledge-Based Systems</i> , <b>2021</b> , 226, 106613	7.3	1
41	Multiview Subspace Clustering With Grouping Effect. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	1
40	MixSp: A Framework for Embedding Heterogeneous Information Networks With Arbitrary Number of Node and Edge Types. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 33, 2627-2639	4.2	1
39	HNF: Hybrid Neural Filtering based on Centrality-aware Random Walk for Personalized Recommendation. <i>IEEE Transactions on Network Science and Engineering</i> , <b>2021</b> , 1-1	4.9	1
38	Tensor-Based Unsupervised Multi-View Feature Selection for Image Recognition <b>2021</b> ,		1
37	Multi-agent reinforcement learning via knowledge transfer with differentially private noise. <i>International Journal of Intelligent Systems</i> ,	8.4	1
36	Group Reassignment for Dynamic Edge Partitioning. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2021</b> , 32, 2477-2490	3.7	1
35	MISS: A Multi-user Identification Network for Shared-Account Session-Aware Recommendation. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 228-243	0.9	1
34	Fine-grained Urban Flow Inference with Incomplete Data. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	1
33	G <sup>3</sup> SR: Global Graph Guided Session-Based Recommendation.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , PP,	10.3	1
32	TUSQ: Targeted High-Utility Sequence Querying. <i>IEEE Transactions on Big Data</i> , <b>2022</b> , 1-1	3.2	1
31	On the anonymizability of graphs. <i>Knowledge and Information Systems</i> , <b>2015</b> , 45, 571-588	2.4	0
30	CAMAR: a broad learning based context-aware recommender for mobile applications. <i>Knowledge and Information Systems</i> , <b>2020</b> , 62, 3291-3319	2.4	0
29	Different Anti-Vaping Campaigns Attracting the Same Opponent Community. <i>IEEE Transactions on Nanobioscience</i> , <b>2018</b> , 17, 409-416	3.4	0
28	Protect You More Than Blank: Anti-Learning Sensitive User Information in the Social Networks. <i>Journal of Computer Science and Technology</i> , <b>2014</b> , 29, 762-776	1.7	0
27	A Robust Game-theoretical Federated Learning Framework with Joint Differential Privacy. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	0
26	RumorDecay: Rumor Dissemination Interruption for Target Recipients in Social Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2022</b> , 1-13	7.3	0
25	Hierarchical GAN-Tree and Bi-Directional Capsules for multi-label image classification. <i>Knowledge-Based Systems</i> , <b>2022</b> , 238, 107882	7.3	0

24	Hierarchical Representation Learning for Attributed Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	○
23	KGGen: A Generative Approach for Incipient Knowledge Graph Population. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	○
22	Learning Graph Convolutional Networks based on Quantum Vertex Information Propagation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	○
21	Dual Adversarial Variational Embedding for Robust Recommendation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	○
20	Fact-driven Abstractive Summarization by Utilizing Multi-granular Multi-relational Knowledge. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2022</b> , 1-1	3.6	○
19	Learning Adaptive Node Embeddings across Graphs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	○
18	Predicting neighbor label distributions in dynamic heterogeneous information networks. <i>World Wide Web</i> , <b>2017</b> , 20, 1269-1291	2.9	
17	Spatial and semantical label inference for social media. <i>Knowledge and Information Systems</i> , <b>2017</b> , 53, 153-177	2.4	
16	Logless one-phase commit made possible for highly-available datastores. <i>Distributed and Parallel Databases</i> , <b>2019</b> , 38, 101	0.9	
15	The State-of-the-Art of Heterogeneous Graph Representation. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , <b>2022</b> , 9-25	4.3	
14	Traffic Anomaly Prediction Based on Joint Static-Dynamic Spatio-Temporal Evolutionary Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2022</b> , 1-1	4.2	
13	Signed Network Representation by Preserving Multi-order Signed Proximity. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	
12	GCN for HIN via Implicit Utilization of Attention and Meta-paths. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	
11	Adaptive Pre-training and Collaborative Fine-tuning: a Win-Win Strategy to Improve Review Analysis Tasks. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2022</b> , 1-1	3.6	
10	ICANE: interaction content-aware network embedding via co-embedding of nodes and edges. <i>International Journal of Data Science and Analytics</i> , <b>2020</b> , 9, 401-414	2	
9	Adversarial Representation Mechanism Learning for Network Embedding. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2021</b> , 1-1	4.2	
8	AE-UPCP: Seeking Potential Membership Users by Audience Expansion Combining User Preference with Consumption Pattern. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 392-399	0.9	
7	Platforms and Practice of Heterogeneous Graph Representation Learning. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , <b>2022</b> , 285-310	4.3	

6	Dynamic Heterogeneous Graph Representation. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , <b>2022</b> , 107-143	43
5	Attribute-Assisted Heterogeneous Graph Representation. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , <b>2022</b> , 71-105	43
4	Heterogeneous Graph Representation for Recommendation. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , <b>2022</b> , 175-208	43
3	Heterogeneous Graph Representation for Industry Application. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , <b>2022</b> , 241-283	43
2	Emerging Topics of Heterogeneous Graph Representation. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , <b>2022</b> , 145-172	43
1	Structure-Preserved Heterogeneous Graph Representation. <i>The Artificial Intelligence: Foundations, and Algorithms</i> , <b>2022</b> , 29-69	43