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## The link-prediction problem for social networks

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1500	A comparative study of matrix factorization and random walk with restart in recommender systems. <b>2017</b> ,	13
1499	An Attention-based Collaboration Framework for Multi-View Network Representation Learning. <b>2017</b> ,	62
1498	Network Model Selection for Task-Focused Attributed Network Inference. <b>2017</b> ,	1

1497	Intelligent data mining technique of social media for improving health care. <b>2017,</b>	4
1496	Performance evaluation of baseline link prediction techniques on simple and complex networks. <b>2017,</b>	2
1495	A user intention modeling algorithm for friend recommendation. <b>2017,</b>	3
1494	Complexity vs. optimality: Unraveling source-destination connection in uncertain graphs. <b>2017,</b>	7
1493	Link Prediction and Hybrid Strategies for Updating a Social Graph Snapshot via a Limited API. <b>2017,</b>	
1492	Predicting the evolution of communities in social networks using structural and temporal features. <b>2017,</b>	10
1491	Mobility-embedded and social-aware distributed caching for D2D content sharing. <b>2017,</b>	1
1490	A recommendation method based on link prediction in drug-disease bipartite network. <b>2017,</b>	6
1489	Time dependent analysis of financial networks using supervised latent feature relational models. <b>2017,</b>	
1488	Link prediction by correlation on social network. <b>2017,</b>	5
1487	Multi-task Network Embedding. <b>2017,</b>	6
1486	Disentangled Link Prediction for Signed Social Networks via Disentangled Representation Learning. <b>2017,</b>	2
1485	Multiple Social Role Embedding. <b>2017,</b>	6
1484	Bringing semantic structures to user intent detection in online medical queries. <b>2017,</b>	4
1483	Distance-based location privacy protection in social networks. <b>2017,</b>	1
1482	. <b>2017,</b>	11
1481	Finding Streams in Knowledge Graphs to Support Fact Checking. <b>2017,</b>	38
1480	Link prediction in weighted network based on reliable routes by machine learning approach. <b>2017,</b>	1

1479	walk2friends. <b>2017</b> ,	40
1478	A link prediction approach for drug recommendation in disease-drug bipartite network. <b>2017</b> ,	5
1477	A similarity index algorithm for link prediction. <b>2017</b> ,	2
1476	Combining structural and dynamic information to predict activity in link streams. <b>2017</b> ,	3
1475	Top-K Similar Access Behavior Based On Structural Equivalence. <b>2017</b> ,	
1474	Friend Recommendation Algorithm Based on Interest Classification with Time Decay. <b>2017</b> ,	1
1473	Link prediction in author collaboration network based on BP neural network. <b>2017</b> , 139, 00073	
1472	Using Machine Learning to Predict Swine Movements within a Regional Program to Improve Control of Infectious Diseases in the US. <b>2017</b> , 4, 2	22
1471	Link Clustering for Extracting Collaborative Patterns in a Scientific Co-Authored Network. <b>2017</b> ,	
1470	Constrained Active Learning for Anchor Link Prediction Across Multiple Heterogeneous Social Networks. <b>2017</b> , 17,	9
1469	Link prediction via local structural information in complex networks. <b>2017</b> ,	1
1468	Large Scale Community Detection Using a Small World Model. <b>2017</b> , 7, 1173	22
1467	Inferring Advisor-Student Relationships from Publication Networks Based on Approximate MaxConfidence Measure. <b>2017</b> , 2017, 1-9	1
1466	Improving the Accuracy of Link Prediction Using Consensus Clustering. <b>2017</b> ,	1
1465	A Weighted Approach to Predict Missing Links in Disease Comorbidity Networks. <b>2017</b> ,	0
1464	A FOAF ontology extension to meet online social networks presentation and analysis. <b>2017</b> ,	3
1463	Retweets as a Predictor of Relationships among Users on Social Media. <b>2017</b> , 12, e0170279	14
1462	Link-prediction to tackle the boundary specification problem in social network surveys. <b>2017</b> , 12, e0176094	3

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1460	The missing link: Predicting connectomes from noisy and partially observed tract tracing data. <b>2017</b> , 13, e1005374	3
1459	Predicting cryptic links in host-parasite networks. <b>2017</b> , 13, e1005557	36
1458	Author Influence Spreading Prediction Based on Co-Citation Interest Similarity. <b>2017</b> ,	1
1457	Temporal patterns behind the strength of persistent ties. <b>2017</b> , 6,	14
1456	Learning distributed representations for large-scale dynamic social networks. <b>2017</b> ,	3
1455	Structural Analysis and Link Prediction in Dynamic Networks of Web Services. <b>2017</b> ,	
1454	Deep graph node kernels: A convex approach. <b>2017</b> ,	0
1453	Mining Actor-level Structural and Neighborhood Evolution for Link Prediction in Dynamic Networks. <b>2017</b> ,	1
1452	Dynamic link prediction using restricted Boltzmann machine. <b>2017</b> ,	3
1451	Structural similarity based link prediction in social networks using firefly algorithm. <b>2017</b> ,	3
1450	Network Formation with Local Complements and Global Substitutes: The Case of R&D Networks. <b>2017</b> ,	3
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1448	The Power of Social Networks in Predicting Non-Contractual Customer Activity: Evidence from Venmo. <b>2017</b> ,	
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1445	Analyzing the Potential Influence of Shanghai Stock Market Based on Link Prediction Method. <b>2017</b> , 5, 446-461	3
1444	Community detection in networks: A multidisciplinary review. <b>2018</b> , 108, 87-111	138



1443	Numerically approximating centrality for graph ranking guarantees. <b>2018</b> , 26, 205-216	2
1442	A new similarity measure for link prediction based on local structures in social networks. <b>2018</b> , 501, 12-23	40
1441	Detecting the urban traffic network structure dynamics through the growth and analysis of multi-layer networks. <b>2018</b> , 503, 800-817	33
1440	Long-term community development within a researcher network. <b>2018</b> , 74, 844-861	2
1439	Link prediction for interdisciplinary collaboration via co-authorship network. <b>2018</b> , 8, 1	15
1438	Generic anomalous vertices detection utilizing a link prediction algorithm. <b>2018</b> , 8, 1	15
1437	Discovering Canonical Correlations between Topical and Topological Information in Document Networks. <b>2018</b> , 30, 460-473	4
1436	Link prediction in weighted social networks using learning automata. <b>2018</b> , 70, 16-24	40
1435	An auxiliary optimization method for complex public transit route network based on link prediction. <b>2018</b> , 32, 1850066	15
1434	Link Weight Prediction Using Supervised Learning Methods and Its Application to Yelp Layered Network. <b>2018</b> , 30, 1507-1518	63
1433	Exploring Triangle-Free Dense Structures. <b>2018</b> , 30, 278-291	1
1432	Mining user interests over active topics on social networks. <b>2018</b> , 54, 339-357	47
1431	Community detection in complex networks using link prediction. <b>2018</b> , 32, 1850004	20
1430	Newton's Gravitational Law for Link Prediction in Social Networks. <b>2018</b> , 93-104	2
1429	Top-k Category Search for an IP Address-Product Network. <b>2018</b> , 296-311	
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1422	When a corporation rapes: perceptions of rape in civil court for corporate defendants. <b>2018</b> , 24, 703-726	6
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1416	Efficient Embedding of Scale-Free Graphs in the Hyperbolic Plane. <b>2018</b> , 26, 920-933	15
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1391	Quantitative Controllability Index of Complex Networks. <b>2018</b> , 2018, 1-9	2
1390	Learning Informative and Private Representations via Generative Adversarial Networks. <b>2018</b> ,	4

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1388	A Decentralized Approach for Negative Link Prediction in Large Graphs. <b>2018</b> ,	3
1387	Finding Multi-granularity Community Structures in Social Networks Based on Significance of Community Partition. <b>2018</b> ,	1
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1382	A Study of Data Fusion for Predicting Novel Activity in Enterprise Cyber-Security. <b>2018</b> ,	2
1381	[Research Paper] Towards Anticipation of Architectural Smells Using Link Prediction Techniques. <b>2018</b> ,	4
1380	Density-aware Local Siamese Autoencoder Network Embedding with Autoencoder Graph Clustering. <b>2018</b> ,	10
1379	Research Hypothesis Generation Using Link Prediction in a Bipartite Graph. <b>2018</b> ,	1
1378	Predicting Learner Interactions in Social Learning Networks. <b>2018</b> ,	5
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1373	Translation-Based Attributed Network Embedding. <b>2018</b> ,	0
1372	Predicting Links in Complex Bipartite Networks Based on Strengthening Projections. <b>2018</b> ,	0

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1368	Multilayer Link Prediction in Online Social Networks. <b>2018</b> ,	4
1367	Attributed Multi-layer Network Embedding. <b>2018</b> ,	2
1366	. <b>2018</b> ,	2
1365	Distributed Real Time Link Prediction on Graph Streams. <b>2018</b> ,	1
1364	. <b>2018</b> ,	0
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1354	PROD: A New Algorithm of DeepWalk Based On Probability. <b>2018</b> , 1069, 012130	

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1352	Connectivity and complex systems: learning from a multi-disciplinary perspective. <b>2018, 3, 11</b>	61
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1349	Ontology-based Adaptive e-Textbook Platform for Student and Machine Co-Learning. <b>2018,</b>	
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1346	De-noising and Feature Enhancement of fMRI Data Based on Naive Bayesian Link Prediction. <b>2018,</b>	1
1345	Capturing Edge Attributes via Network Embedding. <b>2018, 5, 907-917</b>	15
1344	PAIRS: Privacy-Aware Identification and Recommendation of Spatio-Friends. <b>2018,</b>	
1343	Energy-Efficient and Fault-Tolerant Evolution Models Based on Link Prediction for Large-Scale Wireless Sensor Networks. <b>2018, 6, 73341-73356</b>	5
1342	iWalk: Interest-Aware Random Walk for Network Embedding. <b>2018,</b>	0
1341	Social Network User Recommendation Method Based on Dynamic Influence. <b>2018, 455-466</b>	4
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1338	Combining Temporal Aspects of Dynamic Networks with Node2Vec for a more Efficient Dynamic Link Prediction. <b>2018,</b>	10
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1316	Anomaly analysis and visualization for dynamic networks through spatiotemporal graph segmentations. <b>2018</b> , 124, 63-79	2
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