

Christos Faloutsos

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.

436
papers

27,587
citations

73
h-index

157
g-index

469
ext. papers

33,063
ext. citations

2.4
avg, IF

7.31
L-index

#	Paper	IF	Citations
436	On power-law relationships of the Internet topology. <i>Computer Communication Review</i> , 1999 , 29, 251-262	2.4	1946
435	Graph evolution. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2007 , 1, 2	4	1340
434	Cost-effective outbreak detection in networks 2007 ,		1168
433	Graphs over time 2005 ,		1065
432	Efficient similarity search in sequence databases. <i>Lecture Notes in Computer Science</i> , 1993 , 69-84	0.9	759
431	On power-law relationships of the Internet topology 1999 ,		742
430	Efficient and effective Querying by Image Content. <i>Journal of Intelligent Information Systems</i> , 1994 , 3, 231-262	2.1	722
429	. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 3551-3582	4.8	588
428	Fast subsequence matching in time-series databases 1994 ,		582
427	R-MAT: A Recursive Model for Graph Mining 2004 ,		567
426	Sampling from large graphs 2006 ,		539
425	Fast Random Walk with Restart and Its Applications. <i>IEEE International Conference on Data Mining</i> , 2006 ,		458
424	Epidemic thresholds in real networks. <i>ACM Transactions on Information and System Security</i> , 2008 , 10, 1-26		438
423	Fast subsequence matching in time-series databases. <i>SIGMOD Record</i> , 1994 , 23, 419-429	1.1	426
422	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2001 , 13, 124-141	4.2	372
421	FastMap 1995 ,		336
420	PEGASUS: A Peta-Scale Graph Mining System Implementation and Observations 2009 ,		330

419	Patterns of Cascading Behavior in Large Blog Graphs 2007 ,		314
418	Graph mining. <i>ACM Computing Surveys</i> , 2006 , 38, 2	13.4	310
417	GraphScope 2007 ,		288
416	The TV-tree: An index structure for high-dimensional data. <i>VLDB Journal</i> , 1994 , 3, 517-542	3.9	286
415	Automatic multimedia cross-modal correlation discovery 2004 ,		267
414	On packing R-trees 1993 ,		251
413	Beyond streams and graphs 2006 ,		237
412	Efficient Sensor Placement Optimization for Securing Large Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2008 , 134, 516-526	2.8	226
411	Random walk with restart: fast solutions and applications. <i>Knowledge and Information Systems</i> , 2008 , 14, 327-346	2.4	215
410	Power laws and the AS-level Internet topology. <i>IEEE/ACM Transactions on Networking</i> , 2003 , 11, 514-524	3.8	208
409	oddball: Spotting Anomalies in Weighted Graphs. <i>Lecture Notes in Computer Science</i> , 2010 , 410-421	0.9	207
408	Why people hate your app 2013 ,		206
407	Fast discovery of connection subgraphs 2004 ,		183
406	Netprobe 2007 ,		170
405	Rise and fall patterns of information diffusion 2012 ,		167
404	Center-piece subgraphs 2006 ,		166
403	RolX 2012 ,		164
402	DOULION 2009 ,		159

401	Anomaly detection in dynamic networks: a survey. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2015 , 7, 223-247	1.4	154
400	Prediction and indexing of moving objects with unknown motion patterns 2004 ,		152
399	Efficiently supporting ad hoc queries in large datasets of time sequences 1997 ,		151
398	FastMap. <i>SIGMOD Record</i> , 1995 , 24, 163-174	1.1	141
397	Fast best-effort pattern matching in large attributed graphs 2007 ,		139
396	. <i>IEEE Transactions on Software Engineering</i> , 1988 , 14, 639-650	3.5	138
395	Similarity searching in medical image databases. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 1997 , 9, 435-447	4.2	136
394	GigaTensor 2012 ,		133
393	Incremental tensor analysis. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2008 , 2, 1-37	4	132
392	Tensors for Data Mining and Data Fusion. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2017 , 8, 1-44	8	127
391	CopyCatch 2013 ,		127
390	Beyond uniformity and independence 1994 ,		122
389	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2001 , 13, 96-111	4.2	118
388	Stream Monitoring under the Time Warping Distance 2007 ,		117
387	FTW 2005 ,		116
386	Click chain model in web search 2009 ,		112
385	It's who you know 2011 ,		108
384	FRAUDAR 2016 ,		107

383	ANF 2002 ,		106
382	Realistic, Mathematically Tractable Graph Generation and Evolution, Using Kronecker Multiplication. <i>Lecture Notes in Computer Science</i> , 2005 , 133-145	0.9	104
381	Gelling, and melting, large graphs by edge manipulation 2012 ,		102
380	Mobile call graphs 2008 ,		101
379	Spotting Culprits in Epidemics: How Many and Which Ones? 2012 ,		100
378	BRAID 2005 ,		99
377	Scalable modeling of real graphs using Kronecker multiplication 2007 ,		98
376	Fully automatic cross-associations 2004 ,		96
375	Fast indexing and visualization of metric data sets using slim-trees. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2002 , 14, 244-260	4.2	94
374	Apolo 2011 ,		93
373	Searching Multimedia Databases by Content. <i>The Kluwer International Series on Advances in Database Systems</i> , 1996 ,		93
372	PEGASUS: mining peta-scale graphs. <i>Knowledge and Information Systems</i> , 2011 , 27, 303-325	2.4	88
371	Using ghost edges for classification in sparsely labeled networks 2008 ,		88
370	Protein complex identification by supervised graph local clustering. <i>Bioinformatics</i> , 2008 , 24, i250-8	7.2	83
369	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 1998 , 10, 889-904	4.2	83
368	Efficiently supporting ad hoc queries in large datasets of time sequences. <i>SIGMOD Record</i> , 1997 , 26, 289-300		81
367	DynaMMo 2009 ,		80
366	REV2 2018 ,		79

365	CatchSync 2014 ,		78
364	Delta Con. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2016 , 10, 1-43	4	77
363	Winner takes all 2012 ,		73
362	ParCube: Sparse Parallelizable Tensor Decompositions. <i>Lecture Notes in Computer Science</i> , 2012 , 521-536.	0.9	72
361	Threshold conditions for arbitrary cascade models on arbitrary networks. <i>Knowledge and Information Systems</i> , 2012 , 33, 549-575	2.4	71
360	. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 1049-1060	14.2	70
359	On the Vulnerability of Large Graphs 2010 ,		70
358	Slim-Trees: High Performance Metric Trees Minimizing Overlap between Nodes. <i>Lecture Notes in Computer Science</i> , 2000 , 51-65	0.9	70
357	Polonium: Tera-Scale Graph Mining and Inference for Malware Detection 2011 ,		69
356	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 3077-3089	4.2	67
355	Analysis of the reputation system and user contributions on a question answering website 2013 ,		67
354	DeltaCon: A Principled Massive-Graph Similarity Function 2013 ,		65
353	GBASE 2011 ,		65
352	Parallel R-trees 1992 ,		65
351	Beyond 'Caveman Communities': Hubs and Spokes for Graph Compression and Mining 2011 ,		64
350	Weighted graphs and disconnected components 2008 ,		64
349	TimeCrunch 2015 ,		64
348	Designing access methods for bitemporal databases. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 1998 , 10, 1-20	4.2	63

347	Description and performance analysis of signature file methods for office filing. <i>ACM Transactions on Information Systems</i> , 1987 , 5, 237-257	4.8	63
346	TANGENT 2009 ,		61
345	HADI. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2011 , 5, 1-24	4	61
344	MultiAspectForensics: Pattern Mining on Large-Scale Heterogeneous Networks with Tensor Analysis 2011 ,		60
343	Robust Data-Driven State Estimation for Smart Grid. <i>IEEE Transactions on Smart Grid</i> , 2017 , 8, 1956-1967	10.7	59
342	Fast mining and forecasting of complex time-stamped events 2012 ,		59
341	Threshold Conditions for Arbitrary Cascade Models on Arbitrary Networks 2011 ,		58
340	Colibri 2008 ,		58
339	ThermoCast 2011 ,		57
338	AutoPlait 2014 ,		56
337	EigenSpokes: Surprising Patterns and Scalable Community Chipping in Large Graphs. <i>Lecture Notes in Computer Science</i> , 2010 , 435-448	0.9	56
336	Parallel crawling for online social networks 2007 ,		56
335	The Omni-family of all-purpose access methods: a simple and effective way to make similarity search more efficient. <i>VLDB Journal</i> , 2007 , 16, 483-505	3.9	56
334	HaTen2: Billion-scale tensor decompositions 2015 ,		55
333	FlexiFaCT: Scalable Flexible Factorization of Coupled Tensors on Hadoop 2014 ,		55
332	PICS: Parameter-free Identification of Cohesive Subgroups in Large Attributed Graphs 2012 ,		55
331	On data mining, compression, and Kolmogorov complexity. <i>Data Mining and Knowledge Discovery</i> , 2007 , 15, 3-20	5.6	54
330	The "DGX" distribution for mining massive, skewed data 2001 ,		54

329	Virus Propagation on Time-Varying Networks: Theory and Immunization Algorithms. <i>Lecture Notes in Computer Science</i> , 2010 , 99-114	0.9	54
328	Interacting viruses in networks 2012 ,		53
327	Detecting insider threats in a real corporate database of computer usage activity 2013 ,		51
326	Fast and reliable anomaly detection in categorical data 2012 ,		49
325	Analysis of object oriented spatial access methods 1987 ,		49
324	Clustering very large multi-dimensional datasets with MapReduce 2011 ,		48
323	Fast direction-aware proximity for graph mining 2007 ,		48
322	Proximity Tracking on Time-Evolving Bipartite Graphs 2008 ,		47
321	Density biased sampling 2000 ,		47
320	Adaptive, Hands-Off Stream Mining 2003 , 560-571		46
319	Parallel Randomly Compressed Cubes : A scalable distributed architecture for big tensor decomposition. <i>IEEE Signal Processing Magazine</i> , 2014 , 31, 57-70	9.4	44
318	VOG: Summarizing and Understanding Large Graphs 2014 ,		44
317	FUNNEL 2014 ,		44
316	NetSpot: Spotting Significant Anomalous Regions on Dynamic Networks 2013 ,		44
315	Catching Synchronized Behaviors in Large Networks. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2016 , 10, 1-27	4	42
314	A General Suspiciousness Metric for Dense Blocks in Multimodal Data 2015 ,		42
313	Efficiently spotting the starting points of an epidemic in a large graph. <i>Knowledge and Information Systems</i> , 2014 , 38, 35-59	2.4	42
312	M-Zoom: Fast Dense-Block Detection in Tensors with Quality Guarantees. <i>Lecture Notes in Computer Science</i> , 2016 , 264-280	0.9	42

311	CoreScope: Graph Mining Using k-Core Analysis [Patterns, Anomalies and Algorithms 2016 ,			42
310	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 113-126	4.2		41
309	Standards for graph algorithm primitives 2013 ,			41
308	Less is More: Compact Matrix Decomposition for Large Sparse Graphs 2007 ,			41
307	Relevance search and anomaly detection in bipartite graphs. <i>SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining</i> , 2005 , 7, 48-55	4.6		41
306	Detecting Fraudulent Personalities in Networks of Online Auctioneers. <i>Lecture Notes in Computer Science</i> , 2006 , 103-114	0.9		41
305	Storage device performance prediction with CART models 2004 ,			41
304	Com2: Fast Automatic Discovery of Temporal (Comet) Communities. <i>Lecture Notes in Computer Science</i> , 2014 , 271-283	0.9		41
303	Spotting Suspicious Link Behavior with fBox: An Adversarial Perspective 2014 ,			40
302	RTG: a recursive realistic graph generator using random typing. <i>Data Mining and Knowledge Discovery</i> , 2009 , 19, 194-209	5.6		40
301	Parsimonious linear fingerprinting for time series. <i>Proceedings of the VLDB Endowment</i> , 2010 , 3, 385-396	3.1		40
300	Capturing the spatio-temporal behavior of real traffic data. <i>Performance Evaluation</i> , 2002 , 49, 147-163	1.2		40
299	Summarizing and understanding large graphs. <i>Statistical Analysis and Data Mining</i> , 2015 , 8, 183-202	1.4		39
298	Less is More: Sparse Graph Mining with Compact Matrix Decomposition. <i>Statistical Analysis and Data Mining</i> , 2008 , 1, 6-22	1.4		39
297	Estimating Node Importance in Knowledge Graphs Using Graph Neural Networks 2019 ,			37
296	Unifying Guilt-by-Association Approaches: Theorems and Fast Algorithms. <i>Lecture Notes in Computer Science</i> , 2011 , 245-260	0.9		37
295	Spatial join selectivity using power laws 2000 ,			36
294	Inferring Strange Behavior from Connectivity Pattern in Social Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 126-138	0.9		36

293	gbase: an efficient analysis platform for large graphs. <i>VLDB Journal</i> , 2012 , 21, 637-650	3.9	35
292	Recommending People in Developers' Collaboration Network 2011 ,		35
291	HCDF: A Hybrid Community Discovery Framework 2010 ,		35
290	Multiattribute hashing using Gray codes 1986 ,		35
289	SNARE 2009 ,		34
288	Two heads better than one: pattern discovery in time-evolving multi-aspect data. <i>Data Mining and Knowledge Discovery</i> , 2008 , 17, 111-128	5.6	34
287	Big graph mining. <i>SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining</i> , 2013 , 14, 29-36	4.6	33
286	BBM 2009 ,		32
285	HoloScope 2017 ,		31
284	Competing memes propagation on networks. <i>Computer Communication Review</i> , 2012 , 42, 5-12	1.4	31
283	Monitoring Network Evolution using MDL 2008 ,		31
282	Analytical results on the quadtree decomposition of arbitrary rectangles. <i>Pattern Recognition Letters</i> , 1992 , 13, 31-40	4.7	31
281	Spectral Analysis for Billion-Scale Graphs: Discoveries and Implementation. <i>Lecture Notes in Computer Science</i> , 2011 , 13-25	0.9	31
280	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 350-362	4.2	30
279	Graph-Based Fraud Detection in the Face of Camouflage. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2017 , 11, 1-26	4	30
278	RSC 2015 ,		30
277	Radius Plots for Mining Tera-byte Scale Graphs: Algorithms, Patterns, and Observations 2010 ,		30
276	Hierarchical, Parameter-Free Community Discovery. <i>Lecture Notes in Computer Science</i> , 2008 , 170-187	0.9	30

275	D-Cube 2017 ,		29
274	Fractional Immunization in Networks 2013 ,		29
273	Outlier-robust clustering using independent components 2008 ,		29
272	Patterns and anomalies in k-cores of real-world graphs with applications. <i>Knowledge and Information Systems</i> , 2018 , 54, 677-710	2.4	28
271	Anomaly, event, and fraud detection in large network datasets 2013 ,		28
270	Turbo-SMT: Accelerating Coupled Sparse Matrix-Tensor Factorizations by 200x 2014 , 2014, 118-126	0.8	28
269	SPEX2: automated concise extraction of spatial gene expression patterns from Fly embryo ISH images. <i>Bioinformatics</i> , 2010 , 26, i47-56	7.2	28
268	Self-spacial join selectivity estimation using fractal concepts. <i>ACM Transactions on Information Systems</i> , 1998 , 16, 161-201	4.8	28
267	2011 ,		27
266	Large human communication networks 2009 ,		27
265	GRAPHITE: A Visual Query System for Large Graphs 2008 ,		27
264	Robust information-theoretic clustering 2006 ,		27
263	The Web as a Jungle 2015 ,		26
262	Network similarity via multiple social theories 2013 ,		26
261	Spectral counting of triangles via element-wise sparsification and triangle-based link recommendation. <i>Social Network Analysis and Mining</i> , 2011 , 1, 75-81	2.2	26
260	A fast and effective method to find correlations among attributes in databases. <i>Data Mining and Knowledge Discovery</i> , 2007 , 14, 367-407	5.6	26
259	CoBaFi 2014 ,		25
258	Spotting misbehaviors in location-based social networks using tensors 2014 ,		25

257	Metric forensics 2010 ,		25
256	RTM: Laws and a Recursive Generator for Weighted Time-Evolving Graphs 2008 ,		25
255	Data-driven evolution of data mining algorithms. <i>Communications of the ACM</i> , 2002 , 45, 33-37	2.5	25
254	Flexible buffer allocation based on marginal gains 1991 ,		25
253	2012 ,		24
252	Epidemic Spread in Mobile Ad Hoc Networks: Determining the Tipping Point. <i>Lecture Notes in Computer Science</i> , 2011 , 266-280	0.9	24
251	Retweeting Activity on Twitter: Signs of Deception. <i>Lecture Notes in Computer Science</i> , 2015 , 122-134	0.9	23
250	Mining Connection Pathways for Marked Nodes in Large Graphs 2013 ,		23
249	Automatic mining of fruit fly embryo images 2006 ,		23
248	F4 2002 ,		23
247	Quantifiable data mining using ratio rules. <i>VLDB Journal</i> , 2000 , 8, 254-266	3.9	23
246	Surprising Patterns for the Call Duration Distribution of Mobile Phone Users. <i>Lecture Notes in Computer Science</i> , 2010 , 354-369	0.9	23
245	Beyond Sigmoids 2016 ,		23
244	Mining and Forecasting of Big Time-series Data 2015 ,		22
243	Eigen-Optimization on Large Graphs by Edge Manipulation. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2016 , 10, 1-30	4	22
242	Quantifying Reciprocity in Large Weighted Communication Networks. <i>Lecture Notes in Computer Science</i> , 2012 , 85-96	0.9	22
241	Topological properties of robust biological and computational networks. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140283	4.1	21
240	Patterns on the Connected Components of Terabyte-Scale Graphs 2010 ,		21

239	BGP-lens 2009 ,		21
238	ParCube. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2015 , 10, 1-25	4	20
237	Mining billion-scale tensors: algorithms and discoveries. <i>VLDB Journal</i> , 2016 , 25, 519-544	3.9	20
236	Detecting anomalies in dynamic rating data 2014 ,		20
235	Tailoring click models to user goals 2009 ,		20
234	TensorSplat: Spotting Latent Anomalies in Time 2012 ,		20
233	Parallel R-trees. <i>SIGMOD Record</i> , 1992 , 21, 195-204	1.1	20
232	Optimal signature extraction and information loss. <i>ACM Transactions on Database Systems</i> , 1987 , 12, 395-428	1.6	20
231	DenseAlert 2017 ,		20
230	Inferring lockstep behavior from connectivity pattern in large graphs. <i>Knowledge and Information Systems</i> , 2016 , 48, 399-428	2.4	20
229	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016 , 28, 2187-2200	4.2	20
228	Electricity Based External Similarity of Categorical Attributes. <i>Lecture Notes in Computer Science</i> , 2003 , 486-500	0.9	20
227	VideoTrails 1997 ,		19
226	Relaxing the Uniformity and Independence Assumptions Using the Concept of Fractal Dimension. <i>Journal of Computer and System Sciences</i> , 1997 , 55, 229-240	1	19
225	Visualization of large networks with min-cut plots, A-plots and R-MAT. <i>International Journal of Human Computer Studies</i> , 2007 , 65, 434-445	4.6	19
224	Cross-Outlier Detection. <i>Lecture Notes in Computer Science</i> , 2003 , 199-213	0.9	19
223	Density biased sampling. <i>SIGMOD Record</i> , 2000 , 29, 82-92	1.1	19
222	Interestingness-Driven Diffusion Process Summarization in Dynamic Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 597-613	0.9	19

221	Fast and Accurate Anomaly Detection in Dynamic Graphs with a Two-Pronged Approach 2019 ,		18
220	Spatio-temporal mining of software adoption & penetration 2013 ,		18
219	Forecasting in the NBA and other team sports. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2012 , 6, 1-27	4	18
218	Time series analysis with multiple resolutions. <i>Information Systems</i> , 2010 , 35, 56-74	2.7	18
217	Incorporating String Search in a Hypertext System: User Interface and Signature File Design Issues. <i>New Review of Hypermedia and Multimedia</i> , 1990 , 2, 183-200		18
216	Statistical Properties of Social Networks 2011 , 17-42		18
215	S-HOT 2017 ,		17
214	An analysis on information diffusion through BlogCast in a blogosphere. <i>Information Sciences</i> , 2015 , 290, 45-62	7.7	17
213	If walls could talk 2015 ,		17
212	Overlay striping and optimal parallel I/O for modern applications. <i>Parallel Computing</i> , 1998 , 24, 21-43	1	17
211	Fast estimation of fractal dimension and correlation integral on stream data. <i>Information Processing Letters</i> , 2005 , 93, 91-97	0.8	17
210	Decustering spatial databases on a multi-computer architecture. <i>Lecture Notes in Computer Science</i> , 1996 , 592-614	0.9	17
209	Forecasting big time series. <i>Proceedings of the VLDB Endowment</i> , 2018 , 11, 2102-2105	3.1	17
208	Beyond Poisson: Modeling Inter-Arrival Time of Requests in a Datacenter. <i>Lecture Notes in Computer Science</i> , 2014 , 198-209	0.9	17
207	TribeFlow 2016 ,		17
206	Individual and Collective Graph Mining: Principles, Algorithms, and Applications. <i>Synthesis Lectures on Data Mining and Knowledge Discovery</i> , 2017 , 9, 1-206	1.3	16
205	Detecting suspicious following behavior in multimillion-node social networks 2014 ,		16
204	Spectral Counting of Triangles in Power-Law Networks via Element-Wise Sparsification 2009 ,		16

203	InteMon. <i>Operating Systems Review (ACM)</i> , 2006 , 40, 38-44	0.8	16
202	OBE: Outlier by Example. <i>Lecture Notes in Computer Science</i> , 2004 , 222-234	0.9	16
201	Spatial join selectivity using power laws. <i>SIGMOD Record</i> , 2000 , 29, 177-188	1.1	16
200	Multiattribute hashing using Gray codes. <i>SIGMOD Record</i> , 1986 , 15, 227-238	1.1	16
199	MalSpot: Multi2 Malicious Network Behavior Patterns Analysis. <i>Lecture Notes in Computer Science</i> , 2014 , 1-14	0.9	16
198	Estimating robustness in large social graphs. <i>Knowledge and Information Systems</i> , 2015 , 45, 645-678	2.4	15
197	OPAvion 2012 ,		15
196	Fast Robustness Estimation in Large Social Graphs: Communities and Anomaly Detection 2012 ,		15
195	Toward a Comprehensive Model in Internet Auction Fraud Detection 2008 ,		15
194	RTG: A Recursive Realistic Graph Generator Using Random Typing. <i>Lecture Notes in Computer Science</i> , 2009 , 13-28	0.9	15
193	Beyond Blocks: Hyperbolic Community Detection. <i>Lecture Notes in Computer Science</i> , 2014 , 50-65	0.9	15
192	Perseus. <i>Proceedings of the VLDB Endowment</i> , 2015 , 8, 1924-1927	3.1	14
191	RainMon 2012 ,		14
190	ND-Sync: Detecting Synchronized Fraud Activities. <i>Lecture Notes in Computer Science</i> , 2015 , 201-214	0.9	14
189	Come-and-Go Patterns of Group Evolution 2016 ,		13
188	Non-Linear Mining of Competing Local Activities 2016 ,		13
187	Robust multivariate autoregression for anomaly detection in dynamic product ratings 2014 ,		13
186	Top-N recommendation through belief propagation 2012 ,		13

185	EigenSpokes: Surprising Patterns and Scalable Community Chipping in Large Graphs 2009 ,		13
184	Data mining on an OLTP system (nearly) for free 2000 ,		13
183	PowerCast: Mining and Forecasting Power Grid Sequences. <i>Lecture Notes in Computer Science</i> , 2017 , 606-621	0.9	13
182	The self-feeding process 2013 ,		12
181	Coercively adjusted auto regression model for forecasting in epilepsy EEG. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 545613	2.8	12
180	TWave: high-order analysis of functional MRI. <i>NeuroImage</i> , 2011 , 58, 537-48	7.9	12
179	Bayesian Browsing Model. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2010 , 4, 1-26	4	12
178	2010 ,		12
177	RIC. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2007 , 1, 10	4	12
176	How to improve the pruning ability of dynamic metric access methods 2002 ,		12
175	VideoCube: A Novel Tool for Video Mining and Classification. <i>Lecture Notes in Computer Science</i> , 2002 , 194-205	0.9	12
174	Fast, Accurate, and Flexible Algorithms for Dense Subtensor Mining. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2018 , 12, 1-30	4	11
173	A novel optimization approach to efficiently process aggregate similarity queries in metric access methods 2008 ,		11
172	Bayesian tensor analysis 2008 ,		11
171	SuperGraph Visualization 2006 ,		11
170	Detecting Semantic Anomalies in Truck Weigh-in-Motion Traffic Data Using Data Mining. <i>Journal of Computing in Civil Engineering</i> , 2004 , 18, 291-300	5	11
169	Example-Based Outlier Detection for High Dimensional Datasets. <i>IPSJ Digital Courier</i> , 2005 , 1, 234-243		11
168	Tri-plots 2001 ,		11

167	Long Short Memory Process 2017 ,			11
166	Net-Ray: Visualizing and Mining Billion-Scale Graphs. <i>Lecture Notes in Computer Science</i> , 2014 , 348-361	0.9		11
165	Efficient and Distributed Algorithms for Large-Scale Generalized Canonical Correlations Analysis 2016 ,			11
164	Distributed Pattern Discovery in Multiple Streams. <i>Lecture Notes in Computer Science</i> , 2006 , 713-718	0.9		11
163	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2018 , 30, 1727-1740	4.2		10
162	Fast Monitoring Proximity and Centrality on Time-evolving Bipartite Graphs. <i>Statistical Analysis and Data Mining</i> , 2008 , 1, 142-156	1.4		10
161	Adaptive, unsupervised stream mining. <i>VLDB Journal</i> , 2004 , 13, 222	3.9		10
160	Fast, Accurate and Provable Triangle Counting in Fully Dynamic Graph Streams. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2020 , 14, 1-39	4		10
159	Revisit Behavior in Social Media: The Phoenix-R Model and Discoveries. <i>Lecture Notes in Computer Science</i> , 2014 , 386-401	0.9		10
158	CatchTartan 2016 ,			10
157	Graph Mining: Laws and Generators. <i>The Kluwer International Series on Advances in Database Systems</i> , 2010 , 69-123			10
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