Evangelos E Papalexakis

List of Publications by Year
in descending order

103 papers	3,114 citations	623188 14 h-index	433756 31 g-index
103 all docs	103 docs citations	103 times ranked	2128 citing authors

#	Article	IF	Citations
1	BigEye: Detection and Summarization of Key Global Events From Distributed Crowdsensed Data. IEEE Internet of Things Journal, 2022, 9, 9749-9765.	5.5	1
2	Task-agnostic representation learning of multimodal twitter data for downstream applications. Journal of Big Data, 2022, 9, .	6.9	3
3	Webly Supervised Image-Text Embedding with Noisy Tag Refinement. , 2021, , .		1
4	Semi-supervised Multi-aspect Detection of Misinformation Using Hierarchical Joint Decomposition. Lecture Notes in Computer Science, 2021, , 406-422.	1.0	6
5	Tensorized Feature Spaces for Feature Explosion. , 2021, , .		0
6	Mining Bursty Groups from Interaction Data. , 2021, , .		1
7	Tensor-based Complementary Product Recommendation. , 2021, , .		2
8	High-Performance Parallel Radix Sort on FPGA. , 2020, , .		4
9	*NSVD*: Normalized Singular Value Deviation Reveals Number of Latent Factors in Tensor Decomposition. Big Data, 2020, 8, 412-430.	2.1	1
10	OnlineBTD: Streaming Algorithms to Track the Block Term Decomposition of Large Tensors. , 2020, , .		5
11	t-PINE: tensor-based predictable and interpretable node embeddings. Social Network Analysis and Mining, 2020, 10, 1.	1.9	5
12	POPLAR: Parafac2 decOmPosition using auxiLiAry infoRmation. , 2020, , .		0
13	Fast and memory-efficient algorithms for high-order Tucker decomposition. Knowledge and Information Systems, 2020, 62, 2765-2794.	2.1	3
14	TenFor: A Tensor-Based Tool to Extract Interesting Events from Security Forums. , 2020, , .		6
15	All You Need Is Low (Rank). , 2020, , .		115
16	Tensor Embeddings for Content-Based Misinformation Detection with Limited Supervision. Lecture Notes in Social Networks, 2020, , 117-140.	0.8	1
17	Beyond Rank-1: Discovering Rich Community Structure in Multi-Aspect Graphs. , 2020, , .		8
18	L1-Norm RESCAL Decomposition. , 2020, , .		0

#	Article	IF	Citations
19	C3 APTION: Constraint Coupled CP And PARAFAC2 Tensor Decompostion. , 2020, , .		2
20	Ensemble Node Embeddings using Tensor Decomposition: A Case-Study on DeepWalk. , 2020, , .		0
21	C3 APTION: Constrainted Coupled CP and PARAFAC2 Tensor Decomposition. , 2020, , .		1
22	The Core Consistency of a Compressed Tensor. , 2019, , .		2
23	An Empirical Study of Malicious Threads in Security Forums. , 2019, , .		1
24	SURREAL: Subgraph Robust Representation Learning. Applied Network Science, 2019, 4, .	0.8	0
25	Edge-Assisted Detection and Summarization of Key Global Events from Distributed Crowd-Sensed Data. , 2019, , .		1
26	Learning Tensor-Based Representations from Brain-Computer Interface Data for Cybersecurity. Lecture Notes in Computer Science, 2019, , 389-404.	1.0	3
27	Identifying and Alleviating Concept Drift in Streaming Tensor Decomposition. Lecture Notes in Computer Science, 2019, , 327-343.	1.0	8
28	Temporal phenotyping of medically complex children via PARAFAC2 tensor factorization. Journal of Biomedical Informatics, 2019, 93, 103125.	2.5	18
29	Robust Multi-Relational Learning With Absolute Projection Rescal. , 2019, , .		3
30	OCTEN: Online Compression-Based Tensor Decomposition. , 2019, , .		4
31	Mining Actionable Information from Security Forums: The Case of Malicious IP Addresses. Lecture Notes in Social Networks, 2019, , 193-211.	0.8	0
32	Athlytics. , 2018, , .		3
33	The Exact Solution to Rank-1 L1-Norm TUCKER2 Decomposition. IEEE Signal Processing Letters, 2018, 25, 511-515.	2.1	22
34	COPA. , 2018, 2018, 793-802.		22
35	Constrained Coupled Matrix-Tensor Factorization and its Application in Pattern and Topic Detection. , 2018, , .		9
36	tHoops. , 2018, , .		6

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37	Semi-supervised Content-Based Detection of Misinformation via Tensor Embeddings. , 2018, , .		56
38	t-PNE: Tensor-Based Predictable Node Embeddings. , 2018, , .		3
39	MIMiS: Minimally Intrusive Mining of Smartphone User Behaviors. , 2018, , .		2
40	SUSTain. , 2018, 2018, 2080-2089.		11
41	SMACD: Semi-supervised Multi-Aspect Community Detection. , 2018, , 702-710.		14
42	SamBaTen: Sampling-based Batch Incremental Tensor Decomposition. , 2018, , 387-395.		16
43	RIPEx: Extracting Malicious IP Addresses from Security Forums Using Cross-Forum Learning. Lecture Notes in Computer Science, 2018, , 517-529.	1.0	7
44	LARC. , 2018, , .		18
45	Webly Supervised Joint Embedding for Cross-Modal Image-Text Retrieval. , 2018, , .		46
46	Network Anomaly Detection Using Co-clustering. , 2018, , 1501-1516.		1
47	S-HOT. , 2017, , .		28
48	Tensor Decomposition for Signal Processing and Machine Learning. IEEE Transactions on Signal Processing, 2017, 65, 3551-3582.	3.2	963
49	Exploration of Social and Web Image Search Results Using Tensor Decomposition. , 2017, , .		0
50	Homogeneity in Web Search Results. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-35.	2.9	3
51	Jaal. , 2017, , .		8
52	One Size Does Not Fit All. , 2017, , .		7
53	Data mining based on random forest model to predict the California ISO day-ahead market prices. , 2017, , .		13
54	Tensors for Data Mining and Data Fusion. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-44.	2.9	216

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55	InferIP. , 2017, , .		7
56	TrollSpot. , 2017, , .		11
57	Balancing interpretability and predictive accuracy for unsupervised tensor mining. , 2017, , .		0
58	SPARTan. , 2017, , .		34
59	Network Anomaly Detection Using Co-clustering. , 2017, , 1-17.		0
60	The Anatomy of American Football: Evidence from 7 Years of NFL Game Data. PLoS ONE, 2016, 11, e0168716.	1.1	5
61	Efficient and Distributed Algorithms for Large-Scale Generalized Canonical Correlations Analysis. , 2016, , .		15
62	Turboâ€SMT: Parallel coupled sparse matrixâ€Tensor factorizations and applications. Statistical Analysis and Data Mining, 2016, 9, 269-290.	1.4	1
63	Unsupervised Tensor Mining for Big Data Practitioners. Big Data, 2016, 4, 179-191.	2.1	6
64	Automatic Unsupervised Tensor Mining with Quality Assessment. , 2016, , .		36
65	Mining billion-scale tensors: algorithms and discoveries. VLDB Journal, 2016, 25, 519-544.	2.7	26
66	Discovery of â€œcometâ€•communities in temporal and labeled graphs Com ^{2} 2 Â. Knowledge and Information Systems, 2016, 46, 657-677.	2.1	4
67	Matrices, Compression, Learning Curves: Formulation, and the GroupNteach Algorithms. Lecture Notes in Computer Science, 2016, , 376-387.	1.0	1
68	Power-Hop: A Pervasive Observation for Real Complex Networks. PLoS ONE, 2016, 11, e0151027.	1.1	4
69	Location based Social Network analysis using Tensors and Signal Processing tools. , 2015, , .		8
70	Education, Learning and Information Theory. , 2015, , .		0
71	Fast efficient and scalable Core Consistency Diagnostic for the parafac decomposition for big sparse tensors. , 2015, , .		19
72	P <scp>ar</scp> C <scp>ube</scp>. ACM Transactions on Knowledge Discovery From Data, 2015, 10, 1-25.	2.5	28

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73	A Study of Distinctiveness in Web Results of Two Search Engines. , 2015, , .		12
74	Remix in 3D Printing. , 2015, , .		3
75	Understanding Multilingual Social Networks in Online Immigrant Communities. , 2015, , .		12
76	HaTen2: Billion-scale tensor decompositions. , 2015, , .		83
77	Whither Social Networks for Web Search?. , 2015, , .		10
78	Overlap Between Google and Bing Web Search Results!. , 2015, , .		0
79	SharkFin: Spatio-temporal mining of software adoption and penetration. Social Network Analysis and Mining, 2014, 4, 1.	1.9	0
80	Spotting misbehaviors in location-based social networks using tensors. , 2014, , .		30
81	Turbo-SMT: Accelerating Coupled Sparse Matrix-Tensor Factorizations by 200x. , 2014, 2014, 118-126.		37
82	Good-Enough Brain Model: Challenges, Algorithms, and Discoveries in Multisubject Experiments. Big Data, 2014, 2, 216-229.	2.1	3
83	Contextual insights. , 2014, , .		6
84	F<scp>lexi</scp>F<scp>a</scp>CT: Scalable Flexible Factorization of Coupled Tensors on Hadoop. , 2014, , .		71
85	Towards laws of the 3d-printable design web. , 2014, , .		5
86	Good-enough brain model. , 2014, , .		9
87	HEigen: Spectral Analysis for Billion-Scale Graphs. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 350-362.	4.0	40
88	Parallel Randomly Compressed Cubes : A scalable distributed architecture for big tensor decomposition. IEEE Signal Processing Magazine, 2014, 31, 57-70.	4.6	53
89	Structure-revealing data fusion. BMC Bioinformatics, 2014, 15, 239.	1.2	91
90	Network Anomaly Detection Using Co-clustering. , 2014, , 1054-1068.		4

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91	Com2: Fast Automatic Discovery of Temporal ('Comet') Communities. Lecture Notes in Computer Science, 2014, , 271-283.	1.0	61
92	MalSpot: Multi2 Malicious Network Behavior Patterns Analysis. Lecture Notes in Computer Science, 2014, , 1-14.	1.0	19
93	Spatio-temporal mining of software adoption & penetration. , 2013, , .		19
94	From K-Means to Higher-Way Co-Clustering: Multilinear Decomposition With Sparse Latent Factors. IEEE Transactions on Signal Processing, 2013, 61, 493-506.	3.2	206
95	NetSpot: Spotting Significant Anomalous Regions on Dynamic Networks. , 2013, , .		63
96	F-Trail: Finding Patterns in Taxi Trajectories. Lecture Notes in Computer Science, 2013, , 86-98.	1.0	11
97	ParCube: Sparse Parallelizable Tensor Decompositions. Lecture Notes in Computer Science, 2012, , 521-536.	1.0	88
98	GigaTensor. , 2012, , .		176
99	Network Anomaly Detection Using Co-clustering. , 2012, , .		29
100	TensorSplat: Spotting Latent Anomalies in Time. , 2012, , .		28
101	Coclustering—a useful tool for chemometrics. Journal of Chemometrics, 2012, 26, 256-263.	0.7	33
102	Co-clustering as multilinear decomposition with sparse latent factors. , 2011, , .		20
103	Reviewer Profiling Using Sparse Matrix Regression. , 2010, , .		8