Evrim Acar

List of Publications by Year
in descending order

45	2,853	304743	377865
papers	citations	22	34
		h-index	g-index

51	51	51	2657
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploring dynamic metabolomics data with multiway data analysis: a simulation study. BMC Bioinformatics, 2022, 23, 31.	2.6	5
2	Tracing Evolving Networks Using Tensor Factorizations vs. ICA-Based Approaches. Frontiers in Neuroscience, 2022, 16, 861402.	2.8	6
3	Multi-Task fMRI Data Fusion Using IVA and PARAFAC2. , 2022, , .		5
4	Reproducibility in Matrix and Tensor Decompositions: Focus on model match, interpretability, and uniqueness. IEEE Signal Processing Magazine, 2022, 39, 8-24.	5.6	13
5	A Flexible Optimization Framework for Regularized Matrix-Tensor Factorizations With Linear Couplings. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 506-521.	10.8	11
6	An Optimization Framework for Regularized Linearly Coupled Matrix-Tensor Factorization. , 2021, , .		1
7	PARAFAC2 AO-ADMM: Constraints in all modes. , 2021, , .		5
8	Multilinear Models, Iterative Methods. , 2020, , 267-304.		1
9	Cross-product penalized component analysis (X-CAN). Chemometrics and Intelligent Laboratory Systems, 2020, 203, 104038.	3.5	1
10	Multi-Linear Population Analysis (MLPA) of LFP Data Using Tensor Decompositions. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	1.3	2
11	Tracing Network Evolution Using The Parafac2 Model. , 2020, , .		12
12	Biomarkers of Individual Foods, and Separation of Diets Using Untargeted LC–MS–based Plasma Metabolomics in a Randomized Controlled Trial. Molecular Nutrition and Food Research, 2019, 63, e1800215.	3.3	34
13	Multiway Reliability Analysis of Mobile Broadband Networks. , 2019, , .		4
14	Unraveling Diagnostic Biomarkers of Schizophrenia Through Structure-Revealing Fusion of Multi-Modal Neuroimaging Data. Frontiers in Neuroscience, 2019, 13, 416.	2.8	27
15	The Molecular Fingerprint of Fluorescent Natural Organic Matter Offers Insight into Biogeochemical Sources and Diagenetic State. Analytical Chemistry, 2018, 90, 14188-14197.	6.5	45
16	Forecasting Chronic Diseases Using Data Fusion. Journal of Proteome Research, 2017, 16, 2435-2444.	3.7	12
17	Common and distinct components in data fusion. Journal of Chemometrics, 2017, 31, e2900.	1.3	71
18	Tensor-based fusion of EEG and FMRI to understand neurological changes in schizophrenia. , 2017, , .		25

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19	ACMTF for fusion of multi-modal neuroimaging data and identification of biomarkers. , 2017, , .		21
20	New Nordic Diet versus Average Danish Diet: A Randomized Controlled Trial Revealed Healthy Long-Term Effects of the New Nordic Diet by GCâ€"MS Blood Plasma Metabolomics. Journal of Proteome Research, 2016, 15, 1939-1954.	3.7	61
21	Multiscale entropy analysis of resting-state magnetoencephalogram with tensor factorisations in Alzheimer's disease. Brain Research Bulletin, 2015, 119, 136-144.	3.0	34
22	Data Fusion in Metabolomics Using Coupled Matrix and Tensor Factorizations. Proceedings of the IEEE, 2015, 103, 1602-1620.	21.3	92
23	Link prediction in heterogeneous data via generalized coupled tensor factorization. Data Mining and Knowledge Discovery, 2015, 29, 203-236.	3.7	105
24	Structure-revealing data fusion. BMC Bioinformatics, 2014, 15, 239.	2.6	91
25	Understanding data fusion within the framework of coupled matrix and tensor factorizations. Chemometrics and Intelligent Laboratory Systems, 2013, 129, 53-63.	3.5	80
26	Patterns of time since last meal revealed by sparse PCA in an observational LCâ€"MS based metabolomics study. Metabolomics, 2013, 9, 1073-1081.	3.0	7
27	Tensor-based computation and modeling in multi-resolution digital pathology imaging: application to follicular lymphoma grading. Proceedings of SPIE, 2013, , .	0.8	1
28	Generalized coupled symmetric tensor factorization for link prediction. , 2013, , .		3
29	Structure-revealing data fusion model with applications in metabolomics. , 2013, 2013, 6023-6.		17
30	Coupled Matrix Factorization with Sparse Factors to Identify Potential Biomarkers in Metabolomics. , 2012, , .		17
31	Coupled Matrix Factorization with Sparse Factors to Identify Potential Biomarkers in Metabolomics. International Journal of Knowledge Discovery in Bioinformatics, 2012, 3, 22-43.	0.8	12
32	Coclusteringâ€"a useful tool for chemometrics. Journal of Chemometrics, 2012, 26, 256-263.	1.3	33
33	Coupled Analysis of In Vitro and Histology Tissue Samples to Quantify Structure-Function Relationship. PLoS ONE, 2012, 7, e32227.	2.5	27
34	A scalable optimization approach for fitting canonical tensor decompositions. Journal of Chemometrics, 2011, 25, 67-86.	1.3	222
35	Scalable tensor factorizations for incomplete data. Chemometrics and Intelligent Laboratory Systems, 2011, 106, 41-56.	3.5	422
36	Temporal Link Prediction Using Matrix and Tensor Factorizations. ACM Transactions on Knowledge Discovery From Data, 2011, 5, 1-27.	3.5	338

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37	Link Prediction on Evolving Data Using Matrix and Tensor Factorizations. , 2009, , .		103
38	Unsupervised Multiway Data Analysis: A Literature Survey. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 6-20.	5.7	323
39	New exploratory clustering tool. Journal of Chemometrics, 2008, 22, 91-100.	1.3	12
40	Resolving the sign ambiguity in the singular value decomposition. Journal of Chemometrics, 2008, 22, 135-140.	1.3	114
41	Multiway modeling and analysis in stem cell systems biology. BMC Systems Biology, 2008, 2, 63.	3.0	32
42	Multiway analysis of epilepsy tensors. Bioinformatics, 2007, 23, i10-i18.	4.1	210
43	Seizure Recognition on Epilepsy Feature Tensor. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4273-6.	0.5	15
44	Proteomics reveals multiple routes to the osteogenic phenotype in mesenchymal stem cells. BMC Genomics, 2007, 8, 380.	2.8	24
45	Modeling and Multiway Analysis of Chatroom Tensors. Lecture Notes in Computer Science, 2005, , 256-268.	1.3	75