

# Evrin Acar

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,853  
citations

304743

22  
h-index

377865

34  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable tensor factorizations for incomplete data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 106, 41-56.	3.5	422
2	Temporal Link Prediction Using Matrix and Tensor Factorizations. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2011, 5, 1-27.	3.5	338
3	Unsupervised Multiway Data Analysis: A Literature Survey. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2009, 21, 6-20.	5.7	323
4	A scalable optimization approach for fitting canonical tensor decompositions. <i>Journal of Chemometrics</i> , 2011, 25, 67-86.	1.3	222
5	Multiway analysis of epilepsy tensors. <i>Bioinformatics</i> , 2007, 23, i10-i18.	4.1	210
6	Resolving the sign ambiguity in the singular value decomposition. <i>Journal of Chemometrics</i> , 2008, 22, 135-140.	1.3	114
7	Link prediction in heterogeneous data via generalized coupled tensor factorization. <i>Data Mining and Knowledge Discovery</i> , 2015, 29, 203-236.	3.7	105
8	Link Prediction on Evolving Data Using Matrix and Tensor Factorizations. , 2009, , .		103
9	Data Fusion in Metabolomics Using Coupled Matrix and Tensor Factorizations. <i>Proceedings of the IEEE</i> , 2015, 103, 1602-1620.	21.3	92
10	Structure-revealing data fusion. <i>BMC Bioinformatics</i> , 2014, 15, 239.	2.6	91
11	Understanding data fusion within the framework of coupled matrix and tensor factorizations. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 129, 53-63.	3.5	80
12	Modeling and Multiway Analysis of Chatroom Tensors. <i>Lecture Notes in Computer Science</i> , 2005, , 256-268.	1.3	75
13	Common and distinct components in data fusion. <i>Journal of Chemometrics</i> , 2017, 31, e2900.	1.3	71
14	New Nordic Diet versus Average Danish Diet: A Randomized Controlled Trial Revealed Healthy Long-Term Effects of the New Nordic Diet by GC-MS Blood Plasma Metabolomics. <i>Journal of Proteome Research</i> , 2016, 15, 1939-1954.	3.7	61
15	The Molecular Fingerprint of Fluorescent Natural Organic Matter Offers Insight into Biogeochemical Sources and Diagenetic State. <i>Analytical Chemistry</i> , 2018, 90, 14188-14197.	6.5	45
16	Multiscale entropy analysis of resting-state magnetoencephalogram with tensor factorisations in Alzheimer's disease. <i>Brain Research Bulletin</i> , 2015, 119, 136-144.	3.0	34
17	Biomarkers of Individual Foods, and Separation of Diets Using Untargeted LC-MS-based Plasma Metabolomics in a Randomized Controlled Trial. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800215.	3.3	34
18	Coclustering—a useful tool for chemometrics. <i>Journal of Chemometrics</i> , 2012, 26, 256-263.	1.3	33

#	ARTICLE	IF	CITATIONS
19	Multiway modeling and analysis in stem cell systems biology. BMC Systems Biology, 2008, 2, 63.	3.0	32
20	Unraveling Diagnostic Biomarkers of Schizophrenia Through Structure-Revealing Fusion of Multi-Modal Neuroimaging Data. Frontiers in Neuroscience, 2019, 13, 416.	2.8	27
21	Coupled Analysis of In Vitro and Histology Tissue Samples to Quantify Structure-Function Relationship. PLoS ONE, 2012, 7, e32227.	2.5	27
22	Tensor-based fusion of EEG and FMRI to understand neurological changes in schizophrenia. , 2017, , .		25
23	Proteomics reveals multiple routes to the osteogenic phenotype in mesenchymal stem cells. BMC Genomics, 2007, 8, 380.	2.8	24
24	ACMTF for fusion of multi-modal neuroimaging data and identification of biomarkers. , 2017, , .		21
25	Coupled Matrix Factorization with Sparse Factors to Identify Potential Biomarkers in Metabolomics. , 2012, , .		17
26	Structure-revealing data fusion model with applications in metabolomics. , 2013, 2013, 6023-6.		17
27	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
28	Reproducibility in Matrix and Tensor Decompositions: Focus on model match, interpretability, and uniqueness. IEEE Signal Processing Magazine, 2022, 39, 8-24.	5.6	13
29	New exploratory clustering tool. Journal of Chemometrics, 2008, 22, 91-100.	1.3	12
30	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
31	Forecasting Chronic Diseases Using Data Fusion. Journal of Proteome Research, 2017, 16, 2435-2444.	3.7	12
32	Tracing Network Evolution Using The Parafac2 Model. , 2020, , .		12
33	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
34	Patterns of time since last meal revealed by sparse PCA in an observational LC-MS based metabolomics study. Metabolomics, 2013, 9, 1073-1081.	3.0	7
35	Tracing Evolving Networks Using Tensor Factorizations vs. ICA-Based Approaches. Frontiers in Neuroscience, 2022, 16, 861402.	2.8	6
36	PARAFAC2 AO-ADMM: Constraints in all modes. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
37	Exploring dynamic metabolomics data with multiway data analysis: a simulation study. BMC Bioinformatics, 2022, 23, 31.	2.6	5
38	Multi-Task fMRI Data Fusion Using IVA and PARAFAC2. , 2022, , .		5
39	Multiway Reliability Analysis of Mobile Broadband Networks. , 2019, , .		4
40	Generalized coupled symmetric tensor factorization for link prediction. , 2013, , .		3
41	Multi-Linear Population Analysis (MLPA) of LFP Data Using Tensor Decompositions. Frontiers in Applied Mathematics and Statistics, 2020, 6, .	1.3	2
42	Tensor-based computation and modeling in multi-resolution digital pathology imaging: application to follicular lymphoma grading. Proceedings of SPIE, 2013, , .	0.8	1
43	Multilinear Models, Iterative Methods. , 2020, , 267-304.		1
44	Cross-product penalized component analysis (X-CAN). Chemometrics and Intelligent Laboratory Systems, 2020, 203, 104038.	3.5	1
45	An Optimization Framework for Regularized Linearly Coupled Matrix-Tensor Factorization. , 2021, , .		1