Frederik Van Eeghem

List of Publications by Year
in descending order

23 papers	3,180 citations	516215 16 h-index	713013 21 g-index
23 all docs	23 docs citations	23 times ranked	1840 citing authors

#	Article	IF	Citations
1	From Computation to Comparison of Tensor Decompositions. SIAM Journal on Matrix Analysis and Applications, 2021, 42, 449-474.	0.7	2
2	Tensor Similarity in Chemometrics. , 2020, , 337-354.		0
3	Tensor Similarity in Two Modes. IEEE Transactions on Signal Processing, 2018, 66, 1273-1285.	3.2	2
4	Algorithms for Canonical Polyadic Decomposition With Block-Circulant Factors. IEEE Signal Processing Letters, 2018, 25, 798-802.	2.1	0
5	Coupled and Incomplete Tensors in Blind System Identification. IEEE Transactions on Signal Processing, 2018, 66, 6137-6147.	3.2	1
6	Tensor Decompositions With Several Block-Hankel Factors and Application in Blind System Identification. IEEE Transactions on Signal Processing, 2017, 65, 4090-4101.	3.2	6
7	Blind Multichannel Deconvolution and Convolutive Extensions of Canonical Polyadic and Block Term Decompositions. IEEE Transactions on Signal Processing, 2017, 65, 4132-4145.	3.2	14
8	Tensor Decomposition for Signal Processing and Machine Learning. IEEE Transactions on Signal Processing, 2017, 65, 3551-3582.	3.2	963
9	Canonical polyadic decomposition of third-order tensors: Relaxed uniqueness conditions and algebraic algorithm. Linear Algebra and Its Applications, 2017, 513, 342-375.	0.4	60
10	A Tensor-Based Method for Large-Scale Blind Source Separation Using Segmentation. IEEE Transactions on Signal Processing, 2017, 65, 346-358.	3.2	85
11	Löwner-Based Blind Signal Separation of Rational Functions With Applications. IEEE Transactions on Signal Processing, 2016, 64, 1909-1918.	3.2	36
12	Coupled Canonical Polyadic Decompositions and (Coupled) Decompositions in Multilinear Rank-$(L_{r,n},L_{r,n},1)$ Terms---Part II: Algorithms. SIAM Journal on Matrix Analysis and Applications, 2015, 36, 1015-1045.	0.7	55
13	Canonical Polyadic Decomposition of Third-Order Tensors: Reduction to Generalized Eigenvalue Decomposition. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 636-660.	0.7	84
14	Blind Signal Separation via Tensor Decomposition With Vandermonde Factor: Canonical Polyadic Decomposition. IEEE Transactions on Signal Processing, 2013, 61, 5507-5519.	3.2	70
15	On the Uniqueness of the Canonical Polyadic Decomposition of Third-Order Tensors---Part II: Uniqueness of the Overall Decomposition. SIAM Journal on Matrix Analysis and Applications, 2013, 34, 876-903.	0.7	121
16	On the Uniqueness of the Canonical Polyadic Decomposition of Third-Order Tensors---Part I: Basic Results and Uniqueness of One Factor Matrix. SIAM Journal on Matrix Analysis and Applications, 2013, 34, 855-875.	0.7	107
17	Optimization-Based Algorithms for Tensor Decompositions: Canonical Polyadic Decomposition, Decomposition in Rank-$(L_r,L_r,1)$ Terms, and a New Generalization. SIAM Journal on Optimization, 2013, 23, 695-720.	1.2	399
18	Blind Separation of Exponential Polynomials and the Decomposition of a Tensor in Rank-$(L_r,L_r,1)$ Terms. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 1451-1474.	0.7	102

#	Article	IF	Citations
19	A kernel-based framework to tensorial data analysis. Neural Networks, 2011, 24, 861-874.	3.3	80
20	Decompositions of a Higher-Order Tensor in Block Terms—Part II: Definitions and Uniqueness. SIAM Journal on Matrix Analysis and Applications, 2008, 30, 1033-1066.	0.7	325
21	Decompositions of a Higher-Order Tensor in Block Terms—Part III: Alternating Least Squares Algorithms. SIAM Journal on Matrix Analysis and Applications, 2008, 30, 1067-1083.	0.7	156
22	A Link between the Canonical Decomposition in Multilinear Algebra and Simultaneous Matrix Diagonalization. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 642-666.	0.7	381
23	Dimensionality reduction in higher-order signal processing and rank-(R1,R2,…,RN) reduction in multilinear algebra. Linear Algebra and Its Applications, 2004, 391, 31-55.	0.4	131