

# Jean-François Cardoso

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

2,573  
citations

686830

13  
h-index

610482

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2310  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Order Contrasts for Independent Component Analysis. <i>Neural Computation</i> , 1999, 11, 157-192.	1.3	984
2	Jacobi Angles for Simultaneous Diagonalization. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1996, 17, 161-164.	0.7	671
3	Complex ICA Using Nonlinear Functions. <i>IEEE Transactions on Signal Processing</i> , 2008, 56, 4536-4544.	3.2	163
4	CMB and SZ effect separation with constrained Internal Linear Combinations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2481-2487.	1.6	138
5	Foreground component separation with generalized Internal Linear Combination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 467-476.	1.6	114
6	Component Separation With Flexible Models – Application to Multichannel Astrophysical Observations. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2008, 2, 735-746.	7.3	89
7	Faster Independent Component Analysis by Preconditioning With Hessian Approximations. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 4040-4049.	3.2	85
8	CMB polarization can constrain cosmology better than CMB temperature. <i>Physical Review D</i> , 2014, 90, .	1.6	61
9	Estimation of cosmological parameters using adaptive importance sampling. <i>Physical Review D</i> , 2009, 80, .	1.6	58
10	Practical wavelet design on the sphere. <i>Applied and Computational Harmonic Analysis</i> , 2009, 26, 143-160.	1.1	42
11	Second-Order Multidimensional ICA: Performance Analysis. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 4598-4610.	3.2	36
12	Bayesian model comparison in cosmology with Population Monte Carlo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	1.6	18
13	Precision cosmology with the cosmic microwave background. <i>IEEE Signal Processing Magazine</i> , 2010, 27, 55-66.	4.6	18
14	Faster ICA Under Orthogonal Constraint. , 2018, , .		18
15	Semi-blind Bayesian inference of CMB map and power spectrum. <i>Astronomy and Astrophysics</i> , 2016, 588, A113.	2.1	10
16	<title>Eigenvalue decomposition of a cumulant tensor with applications</title>. , 1990, 1348, 361.		9
17	Spectral Independent Component Analysis with noise modeling for M/EEG source separation. <i>Journal of Neuroscience Methods</i> , 2021, 356, 109144.	1.3	9
18	Very fast blind source separation by signal to noise ratio based stopping threshold for the SHIBBS/SJAD algorithm. <i>Mechanical Systems and Signal Processing</i> , 2010, 24, 2096-2103.	4.4	7

#	ARTICLE	IF	CITATIONS
19	Blind Separation of Multi-Dimensional Components via Subspace Decomposition: Performance Analysis. IEEE Transactions on Signal Processing, 2014, 62, 2894-2905.	3.2	7
20	3-D Ultrasonic Speckle Modeling: Below The Rayleigh Limit. Proceedings of SPIE, 1987, , .	0.8	6
21	Separation of non-stationary sources: algorithms and performance. , 2001, , 158-180.		6
22	Joint Block Diagonalization Algorithms for Optimal Separation of Multidimensional Components. Lecture Notes in Computer Science, 2012, , 155-162.	1.0	6
23	Caveats with Stochastic Gradient and Maximum Likelihood Based ICA for EEG. Lecture Notes in Computer Science, 2017, , 279-289.	1.0	5
24	Optimal Performance of Second-Order Multidimensional ICA. Lecture Notes in Computer Science, 2009, , 50-57.	1.0	4
25	ICA of correlated sources mismodeled as uncorrelated: performance analysis. , 2009, , .		3
26	On Extracting the Cosmic Microwave Background from Multi-channel Measurements. Lecture Notes in Computer Science, 2017, , 403-413.	1.0	3
27	Foreground maps in Wilkinson Microwave Anisotropy Probe frequency bands. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	1.6	1
28	Multidimensional ICA and its performance analysis applied to CMB observations. , 2011, , .		1
29	Accelerating Likelihood Optimization for ICA on Real Signals. Lecture Notes in Computer Science, 2018, , 151-160.	1.0	1