

# Jean-François Cardoso

## List of Publications by Year in descending order

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29  
papers

2,573  
citations

687363

13  
h-index

610901

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectral Independent Component Analysis with noise modeling for M/EEG source separation. Journal of Neuroscience Methods, 2021, 356, 109144.	2.5	9
2	Faster ICA Under Orthogonal Constraint. , 2018, , .		18
3	Accelerating Likelihood Optimization for ICA on Real Signals. Lecture Notes in Computer Science, 2018, , 151-160.	1.3	1
4	Faster Independent Component Analysis by Preconditioning With Hessian Approximations. IEEE Transactions on Signal Processing, 2018, 66, 4040-4049.	5.3	85
5	Caveats with Stochastic Gradient and Maximum Likelihood Based ICA for EEG. Lecture Notes in Computer Science, 2017, , 279-289.	1.3	5
6	On Extracting the Cosmic Microwave Background from Multi-channel Measurements. Lecture Notes in Computer Science, 2017, , 403-413.	1.3	3
7	Semi-blind Bayesian inference of CMB map and power spectrum. Astronomy and Astrophysics, 2016, 588, A113.	5.1	10
8	CMB polarization can constrain cosmology better than CMB temperature. Physical Review D, 2014, 90, .	4.7	61
9	Blind Separation of Multi-Dimensional Components via Subspace Decomposition: Performance Analysis. IEEE Transactions on Signal Processing, 2014, 62, 2894-2905.	5.3	7
10	Joint Block Diagonalization Algorithms for Optimal Separation of Multidimensional Components. Lecture Notes in Computer Science, 2012, , 155-162.	1.3	6
11	Second-Order Multidimensional ICA: Performance Analysis. IEEE Transactions on Signal Processing, 2012, 60, 4598-4610.	5.3	36
12	CMB and SZ effect separation with constrained Internal Linear Combinations. Monthly Notices of the Royal Astronomical Society, 2011, 410, 2481-2487.	4.4	138
13	Foreground maps in Wilkinson Microwave Anisotropy Probe frequency bands. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	1
14	Foreground component separation with generalized Internal Linear Combination. Monthly Notices of the Royal Astronomical Society, 2011, 418, 467-476.	4.4	114
15	Multidimensional ICA and its performance analysis applied to CMB observations. , 2011, , .		1
16	Bayesian model comparison in cosmology with Population Monte Carlo. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	18
17	Very fast blind source separation by signal to noise ratio based stopping threshold for the SHIBBS/SJAD algorithm. Mechanical Systems and Signal Processing, 2010, 24, 2096-2103.	8.0	7
18	Precision cosmology with the cosmic microwave background. IEEE Signal Processing Magazine, 2010, 27, 55-66.	5.6	18

#	ARTICLE	IF	CITATIONS
19	Practical wavelet design on the sphere. Applied and Computational Harmonic Analysis, 2009, 26, 143-160.	2.2	42
20	Estimation of cosmological parameters using adaptive importance sampling. Physical Review D, 2009, 80, .	4.7	58
21	ICA of correlated sources mismodeled as uncorrelated: performance analysis. , 2009, , .		3
22	Optimal Performance of Second-Order Multidimensional ICA. Lecture Notes in Computer Science, 2009, , 50-57.	1.3	4
23	Component Separation With Flexible Models Application to Multichannel Astrophysical Observations. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 735-746.	10.8	89
24	Complex ICA Using Nonlinear Functions. IEEE Transactions on Signal Processing, 2008, 56, 4536-4544.	5.3	163
25	Separation of non-stationary sources: algorithms and performance. , 2001, , 158-180.		6
26	High-Order Contrasts for Independent Component Analysis. Neural Computation, 1999, 11, 157-192.	2.2	984
27	Jacobi Angles for Simultaneous Diagonalization. SIAM Journal on Matrix Analysis and Applications, 1996, 17, 161-164.	1.4	671
28	<title>Eigenvalue decomposition of a cumulant tensor with applications</title>. , 1990, 1348, 361.		9
29	3-D Ultrasonic Speckle Modeling: Below The Rayleigh Limit. Proceedings of SPIE, 1987, , .	0.8	6