Julio Moro

List of Publications by Year
in descending order

26 papers	**508** citations	**12** h-index
28 all docs	**28** docs citations	**28** times ranked

759233

713466

21 g-index
225 citing authors

#	Article	IF	Citations
1	A characterization of trace-zero sets realizable by compensation in the SNIEP. Linear Algebra and Its Applications, 2021, 615, 42-76.	0.9	0
2	First Order Structure-Preserving Perturbation Theory for Eigenvalues of Symplectic Matrices. SIAM Journal on Matrix Analysis and Applications, 2020, 41, 657-690.	1.4	4
3	First Order Asymptotic Expansions for Eigenvalues of Multiplicatively Perturbed Matrices. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 1478-1504.	1.4	4
4	Directional algorithms for the frequency isolation problem in undamped vibrational systems. Mechanical Systems and Signal Processing, 2016, 75, 11-26.	8.0	4
5	First order structured perturbation theory for multiple zero eigenvalues of skew-adjoint matrices. Linear Algebra and Its Applications, 2015, 464, 3-27.	0.9	1
6	Perturbation Theory for Hamiltonian Matrices and the Distance to Bounded-Realness. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 484-514.	1.4	46
7	Preface to the 14th ILAS Conference Proceedings Shanghai 2007. Linear Algebra and Its Applications, 2009, 430, 1441.	0.9	0
8	Structured Hölder Condition Numbers for Multiple Eigenvalues. SIAM Journal on Matrix Analysis and Applications, 2009, 31, 175-201.	1.4	19
9	A unified view on compensation criteria in the real nonnegative inverse eigenvalue problem. Linear Algebra and Its Applications, 2008, 428, 2574-2584.	0.9	17
10	First order spectral perturbation theory of square singular matrix pencils. Linear Algebra and Its Applications, 2008, 429, 548-576.	0.9	17
11	Low Rank Perturbation of Weierstrass Structure. SIAM Journal on Matrix Analysis and Applications, 2008, 30, 538-547.	1.4	35
12	Accurate Factorization and Eigenvalue Algorithms for Symmetric DSTU and TSC Matrices. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 1173-1198.	1.4	12
13	On the comparison of some realizability criteria for the real nonnegative inverse eigenvalue problem. Linear Algebra and Its Applications, 2005, 396, 223-241.	0.9	18
14	Negativity compensation in the nonnegative inverse eigenvalue problem. Linear Algebra and Its Applications, 2004, 393, 73-89.	0.9	36
15	A Note on Multiplicative Backward Errors of Accurate SVD Algorithms. SIAM Journal on Matrix Analysis and Applications, 2004, 25, 1021-1031.	1.4	5
16	An Orthogonal High Relative Accuracy Algorithm for the Symmetric Eigenproblem. SIAM Journal on Matrix Analysis and Applications, 2003, 25, 301-351.	1.4	29
17	Low Rank Perturbation of Jordan Structure. SIAM Journal on Matrix Analysis and Applications, 2003, 25, 495-506.	1.4	51
18	Perturbation Theory for Simultaneous Bases of Singular Subspaces. BIT Numerical Mathematics, 2002, 42, 84-109.	2.0	1

#	Article	IF	Citations
19	First Order Eigenvalue Perturbation Theory and the Newton Diagram. , 2002, , 143-175.		13
20	Weyl-type relative perturbation bounds for eigensystems of Hermitian matrices. Linear Algebra and Its Applications, 2000, 309, 3-18.	0.9	16
21	On the Distributional Fourier Duality and Its Applications. Journal of Mathematical Analysis and Applications, 1998, 227, 43-54.	1.0	4
22	Reduced stability of parameter-dependent matrices. Linear Algebra and Its Applications, 1998, 268, 289-321.	0.9	6
23	On the boundary of the set of real spectra of nonnegative matrices. Linear Algebra and Its Applications, 1998, 278, 287-293.	0.9	3
24	On the Lidskii--Vishik--Lyusternik Perturbation Theory for Eigenvalues of Matrices with Arbitrary Jordan Structure. SIAM Journal on Matrix Analysis and Applications, 1997, 18, 793-817.	1.4	118
25	On nonnegative matrices similar to positive matrices. Linear Algebra and Its Applications, 1997, 266, 365-379.	0.9	19
26	Symmetric nonnegative realization of spectra. Electronic Journal of Linear Algebra, 0, 16, .	0.6	27