

# Alberto Borobia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/973474/publications.pdf>

Version: 2024-02-01

36  
papers

251  
citations

1162889

8  
h-index

1058333

14  
g-index

36  
all docs

36  
docs citations

36  
times ranked

65  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the nonnegative eigenvalue problem. <i>Linear Algebra and Its Applications</i> , 1995, 223-224, 131-140.	0.4	44
2	Negativity compensation in the nonnegative inverse eigenvalue problem. <i>Linear Algebra and Its Applications</i> , 2004, 393, 73-89.	0.4	36
3	Symmetric nonnegative realization of spectra. <i>Electronic Journal of Linear Algebra</i> , 0, 16, .	0.6	27
4	On nonnegative matrices similar to positive matrices. <i>Linear Algebra and Its Applications</i> , 1997, 266, 365-379.	0.4	19
5	On the comparison of some realizability criteria for the real nonnegative inverse eigenvalue problem. <i>Linear Algebra and Its Applications</i> , 2005, 396, 223-241.	0.4	18
6	A unified view on compensation criteria in the real nonnegative inverse eigenvalue problem. <i>Linear Algebra and Its Applications</i> , 2008, 428, 2574-2584.	0.4	17
7	$(0, \frac{1}{2}, 1)$ matrices which are extreme points of the generalized transitive tournament polytope. <i>Linear Algebra and Its Applications</i> , 1995, 220, 97-110.	0.4	12
8	Three coefficients of a polynomial can determine its instability. <i>Linear Algebra and Its Applications</i> , 2001, 338, 67-76.	0.4	12
9	Matrix scaling: A geometric proof of Sinkhorn's theorem. <i>Linear Algebra and Its Applications</i> , 1998, 268, 1-8.	0.4	9
10	Nonsingular ACI-matrices over integral domains. <i>Linear Algebra and Its Applications</i> , 2012, 436, 4311-4316.	0.4	7
11	A matrix completion problem over integral domains: the case with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle n \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle - \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle$ prescribed entries. <i>Linear Algebra and Its Applications</i> , 2010, 433, 606-617.	0.4	4
12	Matrix completion problems over integral domains: The case with a diagonal of prescribed blocks. <i>Linear Algebra and Its Applications</i> , 2012, 436, 222-236.	0.4	4
13	Characterization of full rank ACI-matrices over fields. <i>Linear Algebra and Its Applications</i> , 2013, 439, 3752-3762.	0.4	4
14	The real nonnegative inverse eigenvalue problem is NP-hard. <i>Linear Algebra and Its Applications</i> , 2017, 522, 127-139.	0.4	4
15	Fillmore's theorem for integer matrices. <i>Linear Algebra and Its Applications</i> , 2017, 531, 281-284.	0.4	4
16	On the Consistency of the Matrix Equation $X^{\circ p} A X = B$ when B is Symmetric. <i>Mediterranean Journal of Mathematics</i> , 2021, 18, 1.	0.4	4
17	Vertices of the generalized transitive tournament polytope. <i>Discrete Mathematics</i> , 1997, 163, 229-234.	0.4	3
18	$\hat{\alpha}$ -graphs of vertices of the generalized transitive tournament polytope. <i>Discrete Mathematics</i> , 1998, 179, 49-57.	0.4	3

#	ARTICLE	IF	CITATIONS
19	On the boundary of the set of real spectra of nonnegative matrices. Linear Algebra and Its Applications, 1998, 278, 287-293.	0.4	3
20	Mirror property for nonsingular mixed configurations of lines and points in $\mathbb{R}^3$ . Discrete and Computational Geometry, 1994, 11, 311-320.	0.4	2
21	Doubly stochastic matrices and dicycle covers and packings in eulerian digraphs. Linear Algebra and Its Applications, 1996, 246, 361-371.	0.4	2
22	Nonsingular Configurations of 7 Lines of $IRP^3$ . Journal of Knot Theory and Its Ramifications, 1997, 06, 751-783.	0.1	2
23	Three coefficients of a polynomial can determine its $\tilde{L}$ -instability. Linear Algebra and Its Applications, 2006, 416, 857-867.	0.4	2
24	ACI-matrices of constant rank over arbitrary fields. Linear Algebra and Its Applications, 2017, 527, 232-259.	0.4	2
25	Mirror property for nonsingular mixed configurations of one line and k points in $R^3$ . , 1992, , 140-144.		2
26	Inverse Eigenvalue Problems. Discrete Mathematics and Its Applications, 2013, , 471-486.	0.1	2
27	Diagonals of rotation matrices. Linear Algebra and Its Applications, 1993, 186, 227-233.	0.4	1
28	Extremal majorizing and anti-majorizing matrices. Linear Algebra and Its Applications, 1998, 278, 133-145.	0.4	1
29	Constructing matrices with prescribed off-diagonal submatrix and invariant polynomials. Linear Algebra and Its Applications, 2007, 424, 615-633.	0.4	1
30	A Geometric Proof of the Perron-Frobenius Theorem. Revista Matematica Complutense, 1992, 5, 57.	0.7	0
31	Constructing matrices with prescribed main-diagonal submatrix and characteristic polynomial. Linear Algebra and Its Applications, 2006, 418, 886-890.	0.4	0
32	A note on "Constructing matrices with prescribed off-diagonal submatrix and invariant polynomials" Linear Algebra and Its Applications, 2008, 429, 1684-1686.	0.4	0
33	A note on matrices with prescribed off-diagonal submatrix and characteristic polynomial. Linear Algebra and Its Applications, 2014, 458, 99-107.	0.4	0
34	The WST-decomposition for partial matrices. Linear Algebra and Its Applications, 2019, 564, 95-125.	0.4	0
35	Nonsparse companion Hessenberg matrices. Electronic Journal of Linear Algebra, 0, 37, 193-210.	0.6	0
36	A matrix completion problem over integral domains*: thecasewith $2n - 3$ prescribed blocks *. Proyecciones, 2014, 33, 215-233.	0.1	0