Andres Marcos Encinas Bachiller

List of Publications by Year
in descending order

55 papers	**464** citations

687363

13 h-index

794594

19 g-index

55 all docs	**55** docs citations

55 times ranked

167 citing authors

#	ARTICLE	IF	CITATIONS
1	Solving Boundary Value Problems on Networks Using Equilibrium Measures. Journal of Functional Analysis, 2000, 171, 155-176.	1.4	34
2	A formula for the Kirchhoff index. International Journal of Quantum Chemistry, 2008, 108, 1200-1206.	2.0	34
3	The Extremal Charges Method in Grounding Grid Design. IEEE Transactions on Power Delivery, 2004, 19, 118-123.	4.3	25
4	Effective resistances for ladder–like chains. International Journal of Quantum Chemistry, 2014, 114, 1670-1677.	2.0	24
5	Estimation of Fekete points. Journal of Computational Physics, 2007, 225, 2354-2376.	3.8	23
6	Characterization of symmetric M-matrices as resistive inverses. Linear Algebra and Its Applications, 2009, 430, 1336-1349.	0.9	23
7	Eigenvalues, eigenfunctions and Green's functions on a path via Chebyshev polynomials. Applicable Analysis and Discrete Mathematics, 2009, 3, 282-302.	0.7	21
8	Kirchhoff Indexes of a network. Linear Algebra and Its Applications, 2010, 432, 2278-2292.	0.9	21
9	The M-matrix inverse problem for singular and symmetric Jacobi matrices. Linear Algebra and Its Applications, 2012, 436, 1090-1098.	0.9	19
10	Discrete elliptic operators and their Green operators. Linear Algebra and Its Applications, 2014, 442, 115-134.	0.9	19
11	Kirchhoff index of periodic linear chains. Journal of Mathematical Chemistry, 2015, 53, 1195-1206.	1.5	17
12	Generalized inverses of symmetric M-matrices. Linear Algebra and Its Applications, 2010, 432, 2438-2454.	0.9	14
13	The inverses of some circulant matrices. Applied Mathematics and Computation, 2015, 270, 785-793.	2.2	14
14	Shortest Paths in Distance-regular Graphs. European Journal of Combinatorics, 2000, 21, 153-166.	0.8	13
15	Solving Dirichlet and Poisson problems on graphs by means of equilibrium measures. European Journal of Combinatorics, 2003, 24, 365-375.	0.8	13
16	Computational cost of the Fekete problem I: The Forces Method on the 2-sphere. Journal of Computational Physics, 2009, 228, 3288-3306.	3.8	13
17	The Kirchhoff indices of join networks. Discrete Applied Mathematics, 2012, 160, 24-37.	0.9	10
18	Second order linear difference equations. Journal of Difference Equations and Applications, 2018, 24, 305-343.	1.1	10

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19	Difference schemes on uniform grids performed by general discrete operators. Applied Numerical Mathematics, 2004, 50, 343-370.	2.1	9
20	Green matrices associated with generalized linear polyominoes. Linear Algebra and Its Applications, 2015, 468, 38-47.	0.9	8
21	Overdetermined partial boundary value problems on finite networks. Journal of Mathematical Analysis and Applications, 2015, 423, 191-207.	1.0	8
22	Explicit inverse of a tridiagonal (p , r)-Toeplitz matrix. Linear Algebra and Its Applications, 2018, 542, 402-421.	0.9	7
23	Boundary value problems on weighted networks. Discrete Applied Mathematics, 2008, 156, 3443-3463.	0.9	6
24	Distance–regular graphs having the M-property. Linear and Multilinear Algebra, 2012, 60, 225-240.	1.0	6
25	Floquet theory for second order linear homogeneous difference equations. Journal of Difference Equations and Applications, 2016, 22, 353-375.	1.1	6
26	Equilibrium measure, Poisson kernel and effective resistance on networks. , 2004, , 363-376.		5
27	Explicit inverse of nonsingular Jacobi matrices. Discrete Applied Mathematics, 2019, 263, 130-139.	0.9	5
28	The Kirchhoff index of unicycle weighted chains. Electronic Notes in Discrete Mathematics, 2014, 46, 217-224.	0.4	4
29	Dirichlet-to-Robin Matrix on networks. Electronic Notes in Discrete Mathematics, 2014, 46, 65-72.	0.4	4
30	Green operators of networks with a new vertex. Linear Algebra and Its Applications, 2016, 491, 419-433.	0.9	4
31	Boundary value problems for second order linear difference equations: application to the computation of the inverse of generalized Jacobi matrices. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 3795-3828.	1.2	4
32	Green functions on product networks. Discrete Applied Mathematics, 2019, 263, 22-34.	0.9	4
33	Resistance distances in extended or contracted networks. Linear Algebra and Its Applications, 2019, 576, 5-34.	0.9	4
34	Minimizing energy on locally compact spaces: existence and approximation. Numerical Functional Analysis and Optimization, 1996, 17, 843-865.	1.4	3
35	The curl of a weighted network. Applicable Analysis and Discrete Mathematics, 2008, 2, 241-254.	0.7	3
36	Perturbations of discrete elliptic operators. Linear Algebra and Its Applications, 2015, 468, 270-285.	0.9	3

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37	Discrete Serrin's problem. Linear Algebra and Its Applications, 2015, 468, 107-121.	0.9	3
38	The group inverse of some circulant matrices. Linear Algebra and Its Applications, 2021, 614, 415-436.	0.9	3
39	Resistance distances on networks. Applicable Analysis and Discrete Mathematics, 2017, 11, 136-147.	0.7	3
40	Laplacian matrix of a weighted graph with new pendant vertices. Electronic Notes in Discrete Mathematics, 2014, 46, 129-136.	0.4	2
41	Combinatorial Recurrences and Linear Difference Equations. Electronic Notes in Discrete Mathematics, 2016, 54, 313-318.	0.4	2
42	Bounded solutions of self-adjoint second order linear difference equations with periodic coeffients. Open Mathematics, 2018, 16, 75-82.	1.0	2
43	The group inverse of circulant matrices depending on four parameters. Special Matrices, 2022, 10, 87-108.	0.5	2
44	Regular two-point boundary value problems for the Schrödinger operator on a path. Electronic Notes in Discrete Mathematics, 2007, 28, 199-206.	0.4	1
45	Recovering the conductances on grids. Electronic Notes in Discrete Mathematics, 2014, 46, 11-18.	0.4	1
46	Overdetermined partial resolvent kernels for finite networks. Journal of Mathematical Analysis and Applications, 2016, 435, 96-111.	1.0	1
47	Triangular sequences, combinatorial recurrences and linear difference equations. Linear Algebra and Its Applications, 2019, 576, 301-323.	0.9	1
48	Eigenvalues with respect to a weight for general boundary value problems on networks. Linear Algebra and Its Applications, 2021, 614, 208-243.	0.9	1
49	Bounds on the first nonzero eigenvalue for self-adjoint boundary value problems on networks. Applicable Analysis and Discrete Mathematics, 2008, 2, 92-106.	0.7	1
50	Boundary Value Problems for Schrödinger Operators on a Path Associated to Orthogonal Polynomials. Springer Proceedings in Mathematics and Statistics, 2013, , 395-403.	0.2	1
51	Equilibrium Measures on Finite Networks: Effective Resistance and Hitting Time. Electronic Notes in Discrete Mathematics, 2001, 10, 68-71.	0.4	0
52	The Kirchhoff Index of Cluster Networks. Electronic Notes in Discrete Mathematics, 2011, 38, 57-62.	0.4	0
53	On the Moore-Penrose inverse of distance–regular graphs. Electronic Notes in Discrete Mathematics, 2011, 38, 227-232.	0.4	0
54	Potential Theory on Finite Networks. Electronic Notes in Discrete Mathematics, 2014, 46, 113-120.	0.4	0

#	ARTICLE	IF	CITATIONS
55	A combinatorial expression for the group inverse of symmetric M-matrices. Special Matrices, 2021, 9, 275-296.	0.5	0