

Judith J Mcdonald

List of Publications by Year in descending order

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38
papers

490
citations

686830

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144
citing authors

#	ARTICLE	IF	CITATIONS
1	M-matrix and inverse M-matrix extensions. <i>Special Matrices</i> , 2020, 8, 186-203.	0.2	2
2	Spectrally arbitrary patterns over rings with unity. <i>Linear Algebra and Its Applications</i> , 2019, 576, 228-245.	0.4	0
3	Spectrally arbitrary zeroâ€“nonzero patterns and field extensions. <i>Linear Algebra and Its Applications</i> , 2017, 519, 146-155.	0.4	2
4	Jordan chains of h-cyclic matrices. <i>Linear Algebra and Its Applications</i> , 2016, 498, 145-159.	0.4	1
5	Matrix roots of imprimitive irreducible nonnegative matrices. <i>Linear Algebra and Its Applications</i> , 2016, 498, 244-261.	0.4	8
6	Matrix roots of eventually positive matrices. <i>Linear Algebra and Its Applications</i> , 2014, 456, 122-137.	0.4	15
7	Spectrally arbitrary patterns over finite fields. <i>Linear and Multilinear Algebra</i> , 2012, 60, 285-299.	0.5	2
8	Complex spectrally arbitrary zeroâ€“nonzero patterns. <i>Linear and Multilinear Algebra</i> , 2012, 60, 11-26.	0.5	6
9	Sign patterns that require or allow particular refined inertias. <i>Linear Algebra and Its Applications</i> , 2012, 437, 2228-2242.	0.4	17
10	Skew-adjacency matrices of graphs. <i>Linear Algebra and Its Applications</i> , 2012, 436, 4512-4529.	0.4	57
11	The minimum upper bound on the first ambiguous power of an irreducible, nonpowerful ray or sign pattern. <i>Linear Algebra and Its Applications</i> , 2011, 435, 1147-1156.	0.4	3
12	On a Generalization of Soules Bases. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2010, 31, 1227-1234.	0.7	1
13	Spectrally arbitrary ray patterns. <i>Linear Algebra and Its Applications</i> , 2008, 429, 727-734.	0.4	12
14	Level characteristics corresponding to peripheral eigenvalues of a nonnegative matrix. <i>Linear Algebra and Its Applications</i> , 2008, 429, 1719-1729.	0.4	1
15	Inertias of zeroâ€“nonzero patterns. <i>Linear and Multilinear Algebra</i> , 2007, 55, 229-238.	0.5	10
16	Spectrally arbitrary zeroâ€“nonzero patterns of order 4. <i>Linear and Multilinear Algebra</i> , 2007, 55, 249-273.	0.5	33
17	Spectrally arbitrary patterns: Reducibility and the $2n$ conjecture for $n=5$. <i>Linear Algebra and Its Applications</i> , 2007, 423, 262-276.	0.4	23
18	Inverses of M-type matrices created with irreducible eventually nonnegative matrices. <i>Linear Algebra and Its Applications</i> , 2006, 419, 668-674.	0.4	8

#	ARTICLE	IF	CITATIONS
19	On matrices with common invariant cones with applications in neural and gene networks. <i>Linear Algebra and Its Applications</i> , 2005, 398, 37-67.	0.4	9
20	The symmetric nonnegative inverse eigenvalue problem for $5\tilde{A}-5$ matrices. <i>Linear Algebra and Its Applications</i> , 2004, 393, 275-298.	0.4	27
21	Eventually nonnegative matrices are similar to seminonnegative matrices. <i>Linear Algebra and Its Applications</i> , 2004, 381, 245-258.	0.4	16
22	Minimal Spectrally Arbitrary Sign Patterns. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2004, 26, 257-271.	0.7	46
23	The peripheral spectrum of a nonnegative matrix. <i>Linear Algebra and Its Applications</i> , 2003, 363, 217-235.	0.4	5
24	Special Issue on Nonnegative matrices, M-matrices and their generalizations. <i>Linear Algebra and Its Applications</i> , 2003, 363, 1.	0.4	0
25	A characterization of Jordan canonical forms which are similar to eventually nonnegative matrices with the properties of nonnegative matrices. <i>Linear Algebra and Its Applications</i> , 2003, 372, 253-285.	0.4	19
26	On the Spectra of Striped Sign Patterns. <i>Linear and Multilinear Algebra</i> , 2003, 51, 39-48.	0.5	26
27	Extremal properties of ray-nonsingular matrices. <i>Discrete Mathematics</i> , 2000, 216, 221-233.	0.4	19
28	Inverse tridiagonal Z -Matrices \hat{A} . <i>Linear and Multilinear Algebra</i> , 1998, 45, 75-97.	0.5	19
29	Hereditary properties of matrices with cut-points. <i>Linear and Multilinear Algebra</i> , 1998, 45, 1-17.	0.5	0
30	Inverses of Unipathic M-Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1996, 17, 1025-1036.	0.7	22
31	Sign-patterns which require a positive eigenvalue. <i>Linear and Multilinear Algebra</i> , 1996, 41, 199-210.	0.5	14
32	Inverse M-matrix inequalities and generalized ultrametric matrices. <i>Linear Algebra and Its Applications</i> , 1995, 220, 321-341.	0.4	61
33	Resolvents of minus M-matrices and splittings of M-matrices. <i>Linear Algebra and Its Applications</i> , 1993, 195, 17-33.	0.4	3
34	Partly zero eigenvectors and matrices that satisfy $\langle i \rangle A \langle i \rangle = \langle i \rangle B \langle i \rangle$. <i>Linear and Multilinear Algebra</i> , 1992, 33, 163-170.	0.5	1
35	Orthogonality over finite fields. <i>Linear and Multilinear Algebra</i> , 0, , 1-14.	0.5	0
36	On the Block Structure and Frobenius Normal Form of Powers of Matrices. <i>Electronic Journal of Linear Algebra</i> , 0, 35, 297-306.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Alpha Adjacency: A generalization of adjacency matrices. <i>Electronic Journal of Linear Algebra</i> , 0, 35, 365-375.	0.6	0
38	Group inverses of matrices associated with certain graph classes. <i>Electronic Journal of Linear Algebra</i> , 0, , 204-220.	0.6	2