

Hugo J Woerdeman

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

637
citations

687363

13
h-index

610901

24
g-index

37
all docs

37
docs citations

37
times ranked

416
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal Realizations and Determinantal Representations in the Indefinite Setting. <i>Integral Equations and Operator Theory</i> , 2022, 94, 1.	0.8	1
2	Fractional minimal rank. <i>Linear and Multilinear Algebra</i> , 2021, 69, 19-39.	1.0	2
3	Spectral density functions of bivariable stable polynomials. <i>Ramanujan Journal</i> , 2021, 56, 265-295.	0.7	2
4	Continuity of submatrices and Ritz sets associated to a point in the numerical range. <i>Linear Algebra and Its Applications</i> , 2021, 624, 1-13.	0.9	0
5	Isospectrality and matrices with concentric circular higher rank numerical ranges. <i>Linear Algebra and Its Applications</i> , 2021, 631, 174-180.	0.9	2
6	Location of Ritz values in the numerical range of normal matrices. <i>Linear and Multilinear Algebra</i> , 2020, , 1-30.	1.0	1
7	Parametrized quasi-soft thresholding operator for compressed sensing and matrix completion. <i>Computational and Applied Mathematics</i> , 2020, 39, 1.	2.2	194
8	A Linear-algebraic Proof of Hilbert's Ternary Quartic Theorem. <i>American Mathematical Monthly</i> , 2019, 126, 620-627.	0.3	1
9	On the preservers of maximally entangled states. <i>Linear Algebra and Its Applications</i> , 2019, 583, 171-194.	0.9	0
10	Real zero polynomials and A. Horn's problem. <i>Linear Algebra and Its Applications</i> , 2018, 552, 147-158.	0.9	2
11	Rational Inner Functions on a Square-Matrix Polyball. <i>Association for Women in Mathematics Series</i> , 2017, , 267-277.	0.4	3
12	Stable and real-zero polynomials in two variables. <i>Multidimensional Systems and Signal Processing</i> , 2016, 27, 1-26.	2.6	24
13	Contractive determinantal representations of stable polynomials on a matrix polyball. <i>Mathematische Zeitschrift</i> , 2016, 283, 25-37.	0.9	9
14	Norm-Constrained Determinantal Representations of Multivariable Polynomials. <i>Complex Analysis and Operator Theory</i> , 2013, 7, 635-654.	0.6	14
15	The normal defect of some classes of matrices. <i>Linear Algebra and Its Applications</i> , 2013, 438, 3530-3546.	0.9	1
16	A new iterative firm-thresholding algorithm for inverse problems with sparsity constraints. <i>Applied and Computational Harmonic Analysis</i> , 2013, 35, 151-164.	2.2	20
17	The truncated matrix-valued K -moment problem on \mathbb{R}^d , \mathbb{C}^d , and \mathbb{T}^d . <i>Transactions of the American Mathematical Society</i> , 2013, 365, 5393-5430.	0.9	17
18	Determinantal Representations of Stable Polynomials. <i>Operator Theory: Advances and Applications</i> , 2013, , 241-246.	0.2	1

#	ARTICLE	IF	CITATIONS
19	A General Christoffel-Darboux Type Formula. <i>Integral Equations and Operator Theory</i> , 2010, 67, 203-213.	0.8	4
20	Inertia and Rank Characterizations of Some Matrix Expressions. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2010, 31, 1187-1226.	1.4	30
21	Classes of tuples of commuting contractions satisfying the multivariable von Neumann inequality. <i>Journal of Functional Analysis</i> , 2009, 256, 3035-3054.	1.4	29
22	Matrices with normal defect one. <i>Operators and Matrices</i> , 2009, , 401-438.	0.3	4
23	The higher rank numerical range is convex. <i>Linear and Multilinear Algebra</i> , 2008, 56, 65-67.	1.0	46
24	Estimates of inverses of multivariable Toeplitz matrices. <i>Operators and Matrices</i> , 2008, , 507-515.	0.3	3
25	Two Variable Orthogonal Polynomials on the BiCircle and Structured Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2007, 29, 796-825.	1.4	16
26	Outer factorizations in one and several variables. <i>Transactions of the American Mathematical Society</i> , 2005, 357, 4661-4679.	0.9	14
27	The Operator Valued Autoregressive Filter Problem and the Suboptimal Nehari Problem in Two Variables. <i>Integral Equations and Operator Theory</i> , 2005, 53, 343-361.	0.8	6
28	Positive extensions, Fejér-Riesz factorization and autoregressive filters in two variables. <i>Annals of Mathematics</i> , 2004, 160, 839-906.	4.2	70
29	Positive Carathéodory interpolation on the polydisc. <i>Integral Equations and Operator Theory</i> , 2002, 42, 229-242.	0.8	4
30	Carathéodory-Toeplitz and Nehari problems for matrix valued almost periodic functions. <i>Transactions of the American Mathematical Society</i> , 1998, 350, 2185-2227.	0.9	25
31	Hermitian and normal completions. <i>Linear and Multilinear Algebra</i> , 1997, 42, 239-280.	1.0	12
32	A research problem:. <i>Linear and Multilinear Algebra</i> , 1996, 41, 41-47.	1.0	1
33	Non-minimal factorization of nonlinear systems: the observable case. <i>International Journal of Control</i> , 1996, 63, 1069-1104.	1.9	4
34	Maximum Entropy Elements in the Intersection of an Affine Space and the Cone of Positive Definite Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1995, 16, 369-376.	1.4	16
35	Minimal rank completions of partial banded matrices. <i>Linear and Multilinear Algebra</i> , 1993, 36, 59-68.	1.0	28
36	Bounds for eigenvalues and singular values of matrix completions. <i>Linear and Multilinear Algebra</i> , 1992, 33, 233-249.	1.0	10