

# Marilena Mitrouli

## List of Publications by Year in descending order

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36  
papers

229  
citations

1163117

8  
h-index

1125743

13  
g-index

38  
all docs

38  
docs citations

38  
times ranked

80  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computation of the GCD of polynomials using gaussian transformations and shifting. International Journal of Control, 1993, 58, 211-228.	1.9	39
2	Moments of a linear operator, with applications to the trace of the inverse of matrices and the solution of equations. Numerical Linear Algebra With Applications, 2012, 19, 937-953.	1.6	18
3	The maximal determinant and subdeterminants of $\hat{A} \pm 1$ matrices. Linear Algebra and Its Applications, 2003, 373, 297-310.	0.9	14
4	The growth factor of a Hadamard matrix of order 16 is 16. Numerical Linear Algebra With Applications, 2009, 16, 715-743.	1.6	14
5	Estimation of the bilinear form $y^T f(A)x$ for Hermitian matrices. Linear Algebra and Its Applications, 2016, 502, 140-158.	0.9	12
6	Numerical Computation of the Least Common Multiple of a Set of Polynomials. Reliable Computing, 2000, 6, 439-457.	0.8	11
7	Estimates for the generalized cross-validation function via an extrapolation and statistical approach. Calcolo, 2018, 55, 1.	1.1	8
8	A Multidimensional Principal Component Analysis via the C-Product Golub's "Kahan" SVD for Classification and Face Recognition. Mathematics, 2021, 9, 1249.	2.2	8
9	Variable selection in saturated and supersaturated designs via $l_p$ - $l_q$ minimization. Communications in Statistics Part B: Simulation and Computation, 2023, 52, 4326-4347.	1.2	8
10	The application of regularisation to variable selection in statistical modelling. Journal of Computational and Applied Mathematics, 2022, 404, 113884.	2.0	8
11	Evaluation of minors associated to weighing matrices. Linear Algebra and Its Applications, 2007, 426, 774-809.	0.9	7
12	On rank and null space computation of the generalized Sylvester matrix. Numerical Algorithms, 2010, 54, 297-324.	1.9	7
13	Blind image deconvolution using a banded matrix method. Numerical Algorithms, 2013, 64, 43-72.	1.9	6
14	Aitken's method for estimating bilinear forms arising in applications. Calcolo, 2017, 54, 455-470.	1.1	6
15	Condition estimation for regression and feature selection. Journal of Computational and Applied Mathematics, 2020, 373, 112212.	2.0	6
16	A sign test for detecting the equivalence of Sylvester Hadamard matrices. Numerical Algorithms, 2011, 57, 169-186.	1.9	5
17	On the complete pivoting conjecture for Hadamard matrices: further progress and a good pivots property. Numerical Algorithms, 2013, 62, 571-582.	1.9	5
18	Estimating the diagonal of matrix functions. Mathematical Methods in the Applied Sciences, 2018, 41, 1083-1088.	2.3	5

#	ARTICLE	IF	CITATIONS
19	System theoretic based characterisation and computation of the least common multiple of a set of polynomials. Linear Algebra and Its Applications, 2004, 381, 1-23.	0.9	4
20	Estimation of the Greatest Common Divisor of many polynomials using hybrid computations performed by the ERES method. Applied Numerical Analysis and Computational Mathematics, 2005, 2, 293-305.	0.6	4
21	On the pivot structure for the weighing matrix $W(12,11)$ . Linear and Multilinear Algebra, 2007, 55, 471-490.	1.0	4
22	Numerical methods for estimating the tuning parameter in penalized least squares problems. Communications in Statistics Part B: Simulation and Computation, 2022, 51, 1542-1563.	1.2	4
23	Solving High-Dimensional Problems in Statistical Modelling: A Comparative Study. Mathematics, 2021, 9, 1806.	2.2	4
24	An Eigenvalue Approach For Estimating The Generalized Cross Validation Function For Correlated Matrices. Electronic Journal of Linear Algebra, 0, 35, 482-496.	0.6	4
25	Some remarks on Hadamard matrices. Cryptography and Communications, 2010, 2, 293-306.	1.4	3
26	Estimating the Quadratic Form $x^T A x$ for Symmetric Matrices: Further Progress and Numerical Computations. Mathematics, 2021, 9, 1432.	2.2	3
27	Some remarks on Hadamard matrices. Cryptography and Communications, 2010, 2, 293-306.	0.9	2
28	Structured Matrix Methods Computing the Greatest Common Divisor of Polynomials. Special Matrices, 2017, 5, 202-224.	0.5	2
29	The e-MoM approach for approximating matrix functionals. Journal of Computational and Applied Mathematics, 2020, 373, 112243.	2.0	2
30	Compound matrices: properties, numerical issues and analytical computations. Numerical Algorithms, 2009, 50, 155-177.	1.9	1
31	Embedding and Extension Properties of Hadamard Matrices Revisited. Special Matrices, 2018, 6, 155-165.	0.5	1
32	Fast estimates for the diagonal of the inverse of large scale matrices appearing in applications. Journal of Computational and Applied Mathematics, 2019, 355, 91-105.	2.0	1
33	Efficient estimates in regression models with highly correlated covariates. Journal of Computational and Applied Mathematics, 2020, 373, 112416.	2.0	1
34	Numerical and Symbolical Methods for the GCD of Several Polynomials. Lecture Notes in Electrical Engineering, 2011, , 123-144.	0.4	1
35	Approximate least common multiple of several polynomials using the ERES division algorithm. Linear Algebra and Its Applications, 2016, 511, 141-175.	0.9	0
36	A Hybrid Approach for Normal Factorization of Polynomials. Lecture Notes in Computer Science, 2006, , 399-406.	1.3	0