

# Cristina Jordan

## List of Publications by Year in descending order

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29  
papers

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1162367

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1281420

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29  
all docs

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docs citations

29  
times ranked

97  
citing authors

#	ARTICLE	IF	CITATIONS
1	A model based on local graphs for colour images and its application for Gaussian noise smoothing. Journal of Computational and Applied Mathematics, 2018, 330, 955-964.	1.1	14
2	Smoothing vs. sharpening of colour images: Together or separated. Applied Mathematics and Nonlinear Sciences, 2017, 2, 299-316.	0.9	14
3	Inverse M-matrix completion problem with zeros in the inverse completion. Applied Mathematics Letters, 2002, 15, 677-684.	1.5	12
4	An Iterative Algorithm for the Management of an Electric Car-Rental Service. Journal of Applied Mathematics, 2014, 2014, 1-11.	0.4	12
5	The totally positive completion problem. Linear Algebra and Its Applications, 2004, 393, 259-274.	0.4	11
6	One-point Newton-type iterative methods: A unified point of view. Journal of Computational and Applied Mathematics, 2015, 275, 366-374.	1.1	10
7	An algorithm for self-organization of driverless vehicles of a car-rental service. Nonlinear Dynamics, 2016, 84, 107-114.	2.7	10
8	3D visualization through the Hologram for the Learning of Area and Volume Concepts. Mathematics, 2019, 7, 247.	1.1	10
9	Completions of partial P-matrices with acyclic or non-acyclic associated graph. Linear Algebra and Its Applications, 2003, 368, 25-51.	0.4	9
10	Highly efficient iterative algorithms for solving nonlinear systems with arbitrary order of convergence $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si49.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ ,	1.1	7
11	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si50.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \% \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ . A New Class of Iterative Processes for Solving Nonlinear Systems by Using One Divided Differences Operator. Mathematics, 2019, 7, 776.	1.1	7
12	Colour image smoothing through a soft-switching mechanism using a graph model. IET Image Processing, 2012, 6, 1293-1298.	1.4	6
13	A Tree-Based Model for Setting Optimal Train Fare Zones. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	4
14	Graph-based methods for simultaneous smoothing and sharpening of color images. Journal of Computational and Applied Mathematics, 2019, 350, 380-395.	1.1	4
15	On the Jordan form of completions of partial upper triangular matrices. Linear Algebra and Its Applications, 1997, 254, 241-250.	0.4	3
16	The completable digraphs for the totally nonnegative completion problem. Linear Algebra and Its Applications, 2009, 430, 1675-1690.	0.4	3
17	Design, Convergence and Stability of a Fourth-Order Class of Iterative Methods for Solving Nonlinear Vectorial Problems. Fractal and Fractional, 2021, 5, 125.	1.6	3
18	The STEM Methodology and Graph Theory: Some Practical Examples. Mathematics, 2021, 9, 3110.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Controllability completion problems of partial upper triangular matrices $\hat{A}$ . Linear and Multilinear Algebra, 2000, 47, 57-75.	0.5	2
20	Graphs and controllability completion problems. Linear Algebra and Its Applications, 2001, 332-334, 355-370.	0.4	1
21	r-Numbers completion problems of partial upper canonical form I. Applied Mathematics Letters, 2002, 15, 685-691.	1.5	1
22	completions on partial matrices. Applied Mathematics and Computation, 2009, 211, 303-312.	1.4	1
23	A dynamical comparison between iterative methods with memory: Are the derivatives good for the memory?. Journal of Computational and Applied Mathematics, 2017, 318, 335-347.	1.1	1
24	Graphs based methods for simultaneous smoothing and sharpening. MethodsX, 2020, 7, 100819.	0.7	1
25	Un problema a resolver con los algoritmos de caminos más cortos. Modelling in Science Education and Learning, 0, 4, 263.	0.1	1
26	r-Numbers completion problems of partial upper canonical form II. Applied Mathematics Letters, 2002, 15, 885-891.	1.5	0
27	The number of viable ecological trophic networks. Mathematical and Computer Modelling, 2009, 50, 947-952.	2.0	0
28	Characterization of the Existence of an $N \times 0$ -Completion of a Partial $N \times 0$ -Matrix with an Associated Directed Cycle. Scientific World Journal, The, 2014, 2014, 1-5.	0.8	0
29	A Game for Learning How to Model in Graph Theory. Mathematics, 2022, 10, 1969.	1.1	0