

# Dario Fasino

## List of Publications by Year in descending order

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56  
papers

1,189  
citations

623574

14  
h-index

377752

34  
g-index

59  
all docs

59  
docs citations

59  
times ranked

766  
citing authors

#	ARTICLE	IF	CITATIONS
1	An inverse Robin problem for Laplace's equation: theoretical results and numerical methods. <i>Inverse Problems</i> , 1999, 15, 41-48.	1.0	629
2	Relationship between Singular Spectrum Analysis and Fourier analysis: Theory and application to the monitoring of volcanic activity. <i>Computers and Mathematics With Applications</i> , 2010, 60, 812-820.	1.4	56
3	Dephosphorylation and Caspase Processing Generate Distinct Nuclear Pools of Histone Deacetylase 4. <i>Molecular and Cellular Biology</i> , 2007, 27, 6718-6732.	1.1	35
4	Discrete methods in the study of an inverse problem for Laplace's equation. <i>IMA Journal of Numerical Analysis</i> , 1999, 19, 105-118.	1.5	32
5	Existence of proper semihypergroups of type U on the right. <i>Discrete Mathematics</i> , 2007, 307, 2826-2836.	0.4	32
6	Spectral properties of Hankel matrices and numerical solutions of finite moment problems. <i>Journal of Computational and Applied Mathematics</i> , 1995, 65, 145-155.	1.1	28
7	Spectral clustering properties of block multilevel Hankel matrices. <i>Linear Algebra and Its Applications</i> , 2000, 306, 155-163.	0.4	26
8	Orthogonal Rational Functions and Structured Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2005, 26, 810-829.	0.7	25
9	Rational Krylov matrices and QR steps on Hermitian diagonal-plus-semiseparable matrices. <i>Numerical Linear Algebra With Applications</i> , 2005, 12, 743-754.	0.9	21
10	Minimal Order Semihypergroups of Type U on the Right. <i>Mediterranean Journal of Mathematics</i> , 2008, 5, 295-314.	0.4	16
11	A Lanczos-type algorithm for the QR factorization of regular Cauchy matrices. <i>Numerical Linear Algebra With Applications</i> , 2002, 9, 305-319.	0.9	15
12	Direct and Inverse Eigenvalue Problems for Diagonal-Plus-Semiseparable Matrices. <i>Numerical Algorithms</i> , 2003, 34, 313-324.	1.1	15
13	An Algebraic Analysis of the Graph Modularity. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2014, 35, 997-1018.	0.7	15
14	Spectral properties of Toeplitz-plus-Hankel matrices. <i>Calcolo</i> , 1996, 33, 87-98.	0.6	14
15	Structural and computational properties of possibly singular semiseparable matrices. <i>Linear Algebra and Its Applications</i> , 2002, 340, 183-198.	0.4	12
16	Fully simple semihypergroups, transitive digraphs, and sequence A000712. <i>Journal of Algebra</i> , 2014, 415, 65-87.	0.4	12
17	Generalized modularity matrices. <i>Linear Algebra and Its Applications</i> , 2016, 502, 327-345.	0.4	12
18	STABILITY OF THE SOLUTIONS OF AN INVERSE PROBLEM FOR LAPLACE'S EQUATION IN A THIN STRIP. <i>Numerical Functional Analysis and Optimization</i> , 2001, 22, 549-560.	0.6	11

#	ARTICLE	IF	CITATIONS
19	A modularity based spectral method for simultaneous community and anti-community detection. <i>Linear Algebra and Its Applications</i> , 2018, 542, 605-623.	0.4	11
20	Orthogonal rational functions and diagonal-plus-semiseparable matrices. , 2002, , .		10
21	Generating large scale free networks with the Chung-Lu random graph model. <i>Networks</i> , 2021, 78, 174-187.	1.6	10
22	Spectral and structural properties of some pentadiagonal symmetric matrices. <i>Calcolo</i> , 1988, 25, 301-310.	0.6	9
23	A Gauss-Newton iteration for Total Least Squares problems. <i>BIT Numerical Mathematics</i> , 2018, 58, 281-299.	1.0	9
24	Ergodicity Coefficients for Higher-Order Stochastic Processes. <i>SIAM Journal on Mathematics of Data Science</i> , 2020, 2, 740-769.	1.0	9
25	Corrosion detection in conducting boundaries: II. Linearization, stability and discretization. <i>Inverse Problems</i> , 2007, 23, 1101-1114.	1.0	8
26	Recovering unknown terms in a nonlinear boundary condition for Laplace's equation. <i>IMA Journal of Applied Mathematics</i> , 2006, 71, 832-852.	0.8	7
27	Domain derivative approach to active infrared thermography. <i>Inverse Problems in Science and Engineering</i> , 2010, 18, 873-889.	1.2	7
28	Fundamental relations in simple and 0-simple semihypergroups of small size. <i>Arabian Journal of Mathematics</i> , 2012, 1, 175-190.	0.4	7
29	On Hypergroups with a $\hat{I}^2$ -Class of Finite Height. <i>Symmetry</i> , 2020, 12, 168.	1.1	7
30	Isomorphism classes of the hypergroups of type $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle U \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ on the right of size five. <i>Computers and Mathematics With Applications</i> , 2009, 58, 390-402.	1.4	6
31	A Fast and Exact Greedy Algorithm for the Core-Periphery Problem. <i>Symmetry</i> , 2020, 12, 94.	1.1	6
32	Linearization of a free boundary problem in corrosion detection. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 378, 700-709.	0.5	5
33	1-Hypergroups of Small Sizes. <i>Mathematics</i> , 2021, 9, 108.	1.1	5
34	Fast and stable solution of banded-plus-semiseparable linear systems. <i>Calcolo</i> , 2002, 39, 201-217.	0.6	4
35	Rank structure of generalized inverses of rectangular banded matrices*. <i>Calcolo</i> , 2005, 42, 157-169.	0.6	4
36	Recovering nonlinear terms in an inverse boundary value problem for Laplace's equation: A stability estimate. <i>Journal of Computational and Applied Mathematics</i> , 2007, 198, 460-470.	1.1	4

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37	Semihypergroups obtained by merging of 0-semigroups with groups. <i>Filomat</i> , 2018, 32, 4177-4194.	0.2	4
38	On the spectral condition of rectangular vandermonde matrices. <i>Calcolo</i> , 1992, 29, 291-300.	0.6	3
39	Structured eigenvalue problems for rational gauss quadrature. <i>Numerical Algorithms</i> , 2007, 45, 195-204.	1.1	3
40	Isomorphism Theorems in the Primary Categories of Krasner Hypermodules. <i>Symmetry</i> , 2019, 11, 687.	1.1	3
41	Commutativity and Completeness Degrees of Weakly Complete Hypergroups. <i>Mathematics</i> , 2022, 10, 981.	1.1	3
42	The expected adjacency and modularity matrices in the degree corrected stochastic block model. <i>Special Matrices</i> , 2018, 6, 110-121.	0.2	2
43	G-Hypergroups: Hypergroups with a Group-Isomorphic Heart. <i>Mathematics</i> , 2022, 10, 240.	1.1	2
44	Hitting times for second-order random walks. <i>European Journal of Applied Mathematics</i> , 2023, 34, 642-666.	1.4	2
45	<title>How bad are symmetric Pick matrices?</title>. , 2000, 4116, 147.		1
46	Componentwise conditioning of the DFT. <i>Calcolo</i> , 2002, 39, 181-187.	0.6	1
47	Approximation of nonnegative functions by means of exponentiated trigonometric polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2002, 140, 315-329.	1.1	1
48	Localization of dominant eigenpairs and planted communities by means of Frobenius inner products. <i>Czechoslovak Mathematical Journal</i> , 2016, 66, 881-893.	0.3	1
49	ACTIVE INFRARED THERMOGRAPHY IN NONDESTRUCTIVE EVALUATION. , 2005, , .		1
50	Heuristic methods for the reconstruction of two corrosion parameters from incomplete boundary data in a thin rectangular domain. , 0, .		1
51	On strongly conjugable extensions of hypergroups of type U with scalar identity. <i>Filomat</i> , 2013, 27, 977-994.	0.2	1
52	Modularity bounds for clusters located by leading eigenvectors of the normalized modularity matrix. <i>Journal of Mathematical Inequalities</i> , 2017, , 701-714.	0.5	1
53	Error Analysis of TT-Format Tensor Algorithms. <i>Springer INdAM Series</i> , 2019, , 91-106.	0.4	0
54	A Priori Estimates on the Structured Conditioning of Cauchy and Vandermonde Matrices. , 2010, , 203-220.		0

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55	Modularity bounds for clusters located by leading eigenvectors of the normalized modularity matrix. Journal of Mathematical Inequalities, 2017, , 701-714.	0.5	0
56	A Perturbative Analysis of the Reduction into Diagonal-plus-semiseparable Form of Symmetric Matrices. , 2007, , 157-167.		0