Cecilia Magherini

List of Publications by Year
in descending order

27 papers	**328** citations	759233 **12** h-index	839539 **18** g-index
27 all docs	**27** docs citations	**27** times ranked	**123** citing authors

#	Article	IF	Citations
1	Blended implementation of block implicit methods for ODEs*1. Applied Numerical Mathematics, 2002, 42, 29-45.	2.1	40
2	Approximations of Sturm-Liouville eigenvalues using Boundary Value Methods. Applied Numerical Mathematics, 1997, 23, 311-325.	2.1	35
3	The BiM code for the numerical solution of ODEs. Journal of Computational and Applied Mathematics, 2004, 164-165, 145-158.	2.0	34
4	Blended implicit methods for the numerical solution of DAE problems. Journal of Computational and Applied Mathematics, 2006, 189, 34-50.	2.0	31
5	Recent advances in linear analysis of convergence for splittings for solving ODE problems. Applied Numerical Mathematics, 2009, 59, 542-557.	2.1	29
6	Boundary Value Methods as an extension of Numerov's method for Sturm–Liouville eigenvalue estimates. Applied Numerical Mathematics, 2009, 59, 1644-1656.	2.1	20
7		2.0	18
8	Blended implicit methods for solving ODE and DAE problems, and their extension for second-order problems. Journal of Computational and Applied Mathematics, 2007, 205, 777-790.	2.0	16
9	Boundary Value Methods for the reconstruction of Sturm–Liouville potentials. Applied Mathematics and Computation, 2012, 219, 2960-2974.	2.2	16
10	BVMs for computing Sturm–Liouville symmetric potentials. Applied Mathematics and Computation, 2010, 217, 3032-3045.	2.2	15
11	Fractional convolution quadrature based on generalized Adams methods. Calcolo, 2014, 51, 441-463.	1.1	14
12	On the Construction and Properties of m-step Methods for FDEs. SIAM Journal of Scientific Computing, 2015, 37, A653-A675.	2.8	14
13	Numerical solution of forward and inverse Sturm–Liouville problems with an angular momentum singularity. Inverse Problems, 2008, 24, 015001.	2.0	12
14	Efficient implementation of Radau collocation methods. Applied Numerical Mathematics, 2015, 87, 100-113.	2.1	10
15	On the relations between B2V Ms and Runge–Kutta collocation methods. Journal of Computational and Applied Mathematics, 2009, 231, 11-23.	2.0	9
16	Matrix methods for radial Schrödinger eigenproblems defined on a semi-infinite domain. Applied Mathematics and Computation, 2015, 255, 179-188.	2.2	5
17	Some linear algebra issues concerning the implementation of blended implicit methods. Numerical Linear Algebra With Applications, 2005, 12, 305-314.	1.6	4
18	A matrix method for fractional Sturm-Liouville problems on bounded domain. Advances in Computational Mathematics, 2017, 43, 1377-1401.	1.6	2

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#	Article	IF	Citations
19	Economical error estimates for block implicit methods for ODEs via deferred correction. Applied Numerical Mathematics, 2006, 56, 608-617.	2.1	1
20	Blended General Linear Methods based on Generalized BDF. , 2008, , .		1
21	P-stable boundary value methods for second order IVPs. , 2012, , .		1
22	A corrected spectral method for Sturm–Liouville problems with unbounded potential at one endpoint. Journal of Computational and Applied Mathematics, 2020, 364, 112349.	2.0	1
23	A Generalization of Numerov's Method Using the BVM Approach for Sturm–Liouville Eigenvalue Estimates. , 2008, , .		0
24	Boundary Value Methods for the Reconstruction of Sturm-Liouville potentials. , 2011, , .		0
25	Shooting methods for a PT-symmetric periodic eigenvalue problem. Numerical Algorithms, 2011, 57, 513-536.	1.9	0
26	Generalized Adams methods for fractional differential equations. , 2012, , .		0
27	Short-term recursions for fractional differential equations. AIP Conference Proceedings, 2015, , .	0.4	0