M M Tharwat

List of Publications by Year
in descending order

25 papers	298 citations	840776 11 h-index	888059 17 g-index
25 all docs	25 docs citations	25 times ranked	160 citing authors

#	Article	IF	Citations
1	A new formula for fractional integrals of Chebyshev polynomials: Application for solving multi-term fractional differential equations. Applied Mathematical Modelling, 2013, 37, 4245-4252.	4.2	82
2	On computing eigenvalues of second-order linear pencils. IMA Journal of Numerical Analysis, 2007, 27, 366-380.	2.9	23
3	Sinc-based computations of eigenvalues of Dirac systems. BIT Numerical Mathematics, 2007, 47, 699-713.	2.0	19
4	On sampling and Dirac systems with eigenparameter inÂtheÂboundary conditions. Journal of Applied Mathematics and Computing, 2011, 36, 291-317.	2.5	18
5	A sinc-Gaussian technique for computing eigenvalues of second-order linear pencils. Applied Numerical Mathematics, 2013, 63, 129-137.	2.1	18
6	Integrable system modelling shallow water waves: Kaupâ€"Boussinesq shallow water system. Indian Journal of Physics, 2013, 87, 665-671.	1.8	17
7	Numerical computation of eigenvalues of discontinuous Sturmâ€"Liouville problems with parameter dependent boundary conditions using sinc method. Numerical Algorithms, 2013, 63, 27-48.	1.9	17
8	Sinc approximation of eigenvalues of Sturmâ€"Liouville problems with a Gaussian multiplier. Calcolo, 2014, 51, 465-484.	1.1	14
9	Numerical computation of the eigenvalues of a discontinuous Dirac system using the sinc method with error analysis. International Journal of Computer Mathematics, 2012, 89, 2061-2080.	1.8	13
10	Sampling of Discontinuous Dirac Systems. Numerical Functional Analysis and Optimization, 2013, 34, 323-348.	1.4	13
11	On the computation of the eigenvalues of Dirac systems. Calcolo, 2012, 49, 221-240.	1.1	12
12	Discontinuous Sturm-Liouville Problems and Associated Sampling Theories. Abstract and Applied Analysis, 2011, 2011, 1-30.	0.7	11
13	A Jacobi elliptic function method for nonlinear arrays of vortices. Indian Journal of Physics, 2012, 86, 1107-1113.	1.8	11
14	The Hermite interpolation approach for computing eigenvalues of Dirac systems. Mathematical and Computer Modelling, 2013, 57, 2459-2472.	2.0	5
15	Time-optimal control of (nÃ—n) infinite order parabolic system with time lags given in integral form. Journal of Information and Optimization Sciences, 2012, 33, 233-258.	0.3	4
16	Approximating eigenvalues of Dirac system with discontinuities at several points using Hermite-Gauss method. Numerical Algorithms, 2017, 76, 655-673.	1.9	4
17	Numerical Algorithms for Computing Eigenvalues of Discontinuous Dirac System Using Sinc-Gaussian Method. Abstract and Applied Analysis, 2012, 2012, 1-13.	0.7	3
18	Computing Eigenvalues of Discontinuous Sturm-Liouville Problems with Eigenparameter in All Boundary Conditions Using Hermite Approximation. Abstract and Applied Analysis, 2013, 2013, 1-14.	0.7	3

#	Article	IF	Citations
19	Approximation of eigenvalues of Dirac systems with eigenparameter in all boundary conditions by sinc-Gaussian method. Applied Mathematics and Computation, 2015, 262, 113-127.	2.2	3
20	Conservation laws, analytical solutions and stability analysis for the time-fractional Schamel–Zakharov–Kuznetsov–Burgers equation. Advances in Difference Equations, 2019, 2019, .	3.5	3
21	A sinc-method computation for eigenvalues of Schrödinger operators with eigenparameter-dependent boundary conditions. Calcolo, 2017, 54, 23-41.	1.1	2
22	Sinc-regularized techniques to compute eigenvalues of schrödinger operators on L 2 (I) ⊕ ℂ 2 $L^{2}(I)\oplus \mathbb {C}^{2}$. Numerical Algorithms, 2019, 80, 795-817.	1.9	2
23	Approximation of Eigenvalues of Sturm-Liouville Problems by Using Hermite Interpolation. Abstract and Applied Analysis, 2013, 2013, 1-14.	0.7	1
24	Boundary Value Problem with Retarded Argument and a Finite Number of Transmission Conditions. Iranian Journal of Science and Technology, Transaction A: Science, 2019, 43, 1917-1924.	1.5	0
25	An Overview of the Computation of the Eigenvalues Using Sinc-Methods. Trends in Mathematics, 2021, , 255-298.	0.1	0