Salah M El-Sayed

List of Publications by Year
in descending order

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39 papers	1,588 citations	293460 24 h-index	425179 34 g-index
40 all docs	40 docs citations	40 times ranked	837 citing authors

#	Article	IF	Citations
1	An Autonomous Fault-Awareness model adapted for upgrade performance in clusters of homogeneous wireless sensor networks. Wireless Networks, 2020, 26, 5085-5100.	2.0	0
2	Fault autonomous model handling through integrated adaptiveâ€filters for eliminating deployment faults in wireless sensor networks. IET Wireless Sensor Systems, 2020, 10, 236-241.	1.3	1
3	Data Reduction Using Integrated Adaptive Filters for Energy-Efficient in the Clusters of Wireless Sensor Networks. IEEE Embedded Systems Letters, 2019, 11, 119-122.	1.3	12
4	Brain EEG signal processing for controlling a robotic arm. , 2013, , .		32
5	On positive definite solution of a nonlinear matrix equation. Numerical Linear Algebra With Applications, 2007, 14, 99-113.	0.9	12
6	Iterative methods for the extremal positive definite solution of the matrix equation <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.1	41
7	A numerical solution and an exact explicit solution of the NLS equation. Applied Mathematics and Computation, 2006, 172, 1315-1322.	1.4	24
8	On the positive definite solutions of nonlinear matrix equation X+Aâ‹† Xâˆ’Î´A=Q. Linear Algebra and Its Applications, 2006, 412, 154-160.	0.4	30
9	Iterative methods for nonlinear matrix equations X+Aâ‹†Xâˆ’Î±A=I. Linear Algebra and Its Applications, 2005, 403, 45-52.	0.4	22
10	A new inversion free iteration for solving the equation <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce=". Journal of Computational	1.1	42
11	A direct method for solving circulant tridiagonal block systems of linear equations. Applied Mathematics and Computation, 2005, 165, 23-30.	1.4	8
12	Exact and numerical traveling wave solutions of Whithamâ€“Broerâ€“Kaup equations. Applied Mathematics and Computation, 2005, 167, 1339-1349.	1.4	44
13	A numerical implementation of the decomposition method for the Lienard equation. Applied Mathematics and Computation, 2005, 171, 1095-1103.	1.4	18
14	A numerical simulation and explicit solutions of the generalized Burgersâ€“Fisher equation. Applied Mathematics and Computation, 2004, 152, 403-413.	1.4	58
15	Adomian's decomposition method applied to systems of nonlinear algebraic equations. Applied Mathematics and Computation, 2004, 154, 487-493.	1.4	16
16	Comparing numerical methods for Helmholtz equation model problem. Applied Mathematics and Computation, 2004, 150, 763-773.	1.4	27
17	On positive definite solutions of the nonlinear matrix equation X+Aâˆ…Xâˆ’nA=I. Applied Mathematics and Computation, 2004, 151, 533-541.	1.4	29
18	A numerical solution of the Kleinâ€“Gordon equation and convergence of the decomposition method. Applied Mathematics and Computation, 2004, 156, 341-353.	1.4	54

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19	The decomposition method for solving (2+1)-dimensional Boussinesq equation and (3+1)-dimensional KP equation. Applied Mathematics and Computation, 2004, 157, 523-534.	1.4	27
20	On the numerical solution of the system of two-dimensional Burgers' equations by the decomposition method. Applied Mathematics and Computation, 2004, 158, 101-109.	1.4	48
21	An application of the ADM to seven-order Sawadaâ€“Kotara equations. Applied Mathematics and Computation, 2004, 157, 93-101.	1.4	48
22	A numerical method for solving Jaulentâ€“Miodek equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 318, 345-353.	0.9	27
23	Numerical soliton-like solutions of the potential Kadomtsevâ€“Petviashvili equation by the decomposition method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 320, 192-199.	0.9	45
24	On a generalized fifth order KdV equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 310, 44-51.	0.9	70
25	On the solution of the coupled SchrÃ¶dingerâ€“KdV equation by the decomposition method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 313, 82-88.	0.9	77
26	An application of the decomposition method for the generalized KdV and RLW equations. Chaos, Solitons and Fractals, 2003, 17, 869-877.	2.5	121
27	The decomposition method for studying the Kleinâ€“Gordon equation. Chaos, Solitons and Fractals, 2003, 18, 1025-1030.	2.5	110
28	A comparison of Adomian's decomposition method and wavelet-Galerkin method for solving integro-differential equations. Applied Mathematics and Computation, 2003, 136, 151-159.	1.4	58
29	An algorithm for computing positive definite solutions of the nonlinear matrix equationXâ€‰+â€‰A*Xâ¯1Aâ€‰=â€‰I. International Journal of Computer Mathematics, 2003, 80, 1527-1534.	1.0	12
30	A two-sided iterative method for computing positive definite solutions of a nonlinear matrix equation. ANZIAM Journal, 2003, 45, 145-152.	0.3	6
31	On an Iteration Method for Solving a Class of Nonlinear Matrix Equations. SIAM Journal on Matrix Analysis and Applications, 2002, 23, 632-645.	0.7	98
32	The modified decomposition method for solving nonlinear algebraic equations. Applied Mathematics and Computation, 2002, 132, 589-597.	1.4	25
33	Some properties for the existence of a positive definite solution of matrix equation X+Aâ¯...Xâ¯2mA=I. Applied Mathematics and Computation, 2002, 128, 99-108.	1.4	23
34	On the existence of a positive definite solution of the matrix equation. International Journal of Computer Mathematics, 2001, 76, 331-338.	1.0	24
35	A multi-integral method for a class of singular two-point boundary value problems. International Journal of Computer Mathematics, 2001, 76, 339-348.	1.0	0
36	A new modification of the Adomian decomposition method for linear and nonlinear operators. Applied Mathematics and Computation, 2001, 122, 393-405.	1.4	238

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37	Multi-integral methods for nonlinear boundary-value problems. International Journal of Computer Mathematics, 1999, 71, 259-265.	1.0	4
38	POSITIVE DEFINITE SOLUTIONS OF A FAMILY OF NONLINEAR MATRIX EQUATIONS. , 1999, , .		0
39	Properties of positive definite solutions of the equation X + Aâˆ—Xâ¯¹A = I. Linear Algebra and Its Applications, 1998, 279, 303-316.	0.4	57