Waleed Mohammed Al-Hayani

List of Publications by Year
in descending order

26 papers	**172** citations	1163117 **8** h-index	1125743 **13** g-index
26 all docs	**26** docs citations	**26** times ranked	**134** citing authors

#	Article	IF	Citations
1	Solving Fuzzy System of Volterra Integro-differential Equations by using Adomian Decomposition Method. European Journal of Pure and Applied Mathematics, 2022, 15, 290-313.	0.3	1
2	Solving nonlinear differential equations using hybrid method between Lyapunov's artificial small parameter and continuous particle swarm optimization. Numerical Algebra, Control and Optimization, 2021, 11, 633.	1.6	0
3	Modified of Homotopy Perturbation Technique and Its Application to System of Nonlinear Fredholm Integral Equations Of 2nd Kind. Journal of Physics: Conference Series, 2021, 1818, 012057.	0.4	0
4	The Homotopy Analysis Method in Turning Point Problems. AL-Rafidain Journal of Computer Sciences and Mathematics, 2020, 14, 63-77.	0.3	0
5	Homotopy Analysis Method for Solving Initial Value Problems of Second Order with Discontinuities. Applied Mathematics, 2019, 10, 419-434.	0.4	0
6	Hybridization of Genetic Algorithm with Homotopy Analysis Method for Solving Fractional Partial Differential Equations. Eurasian Journal of Science and Engineering, 2018, 4, .	0.1	2
7	Solutions of Singular IVP's of Lane-Emden type by Homotopy analysis method with Genetic Algorithm. Applied Mathematics and Information Sciences, 2017, 11, 407-416.	0.5	11
8	Daftardar-Jafari Method for Fractional Heat-Like and Wave-Like Equations with Variable Coefficients. Applied Mathematics, 2017, 08, 215-228.	0.4	6
9	Adomian Decomposition Method for Solving the Singularly Perturbed Volterra Integral Equations. Mathematical Sciences Letters, 2017, 6, 105-114.	0.6	2
10	Analytical Solution for the Time-Dependent Emden-Fowler Type of Equations by Homotopy Analysis Method with Genetic Algorithm. Applied Mathematics, 2017, 08, 693-711.	0.4	3
11	The Adomian Decomposition Method for Boundary Value Problems with Discontinuities. Mathematical Sciences Letters, 2017, 6, 7-13.	0.6	0
12	Adomian Decomposition Method for Nonlinear Age-Structured Population Models with Using Trapezoidal and Simpson Rules. Sohag Journal of Sciences, 2016, 1, 19-27.	0.2	0
13	Combined Laplace Transform-Homotopy Perturbation Method for Sine-Gordon Equation. Applied Mathematics and Information Sciences, 2016, 10, 1781-1786.	0.5	1
14	Adomian decomposition method with Green's function for solving twelfth-order boundary value problems. Applied Mathematical Sciences, 2015, 9, 353-368.	0.1	4
15	Adomian Decomposition Method with Green's Function for Solving Tenth-Order Boundary Value Problems. Applied Mathematics, 2014, 05, 1437-1447.	0.4	6
16	A Nonlinear Model Arising in the Buckling Analysis and its New Analytic Approximate Solution. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 355-361.	1.5	8
17	Solving <i>nth</i>-Order Integro-Differential Equations Using the Combined Laplace Transform-Adomian Decomposition Method. Applied Mathematics, 2013, 04, 882-886.	0.4	8
18	Adomian decomposition method with Green's function for sixth-order boundary value problems. Computers and Mathematics With Applications, 2011, 61, 1567-1575.	2.7	21

#	Article	IF	Citations
19	On the applicability of the Adomian method to initial value problems with discontinuities. Applied Mathematics Letters, 2006, 19, 22-31.	2.7	8
20	Analysis of resonant oscillators with the Adomian decomposition method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 357, 306-313.	2.1	7
21	The Adomian decomposition method in turning point problems. Journal of Computational and Applied Mathematics, 2005, 177, 187-203.	2.0	11
22	The decomposition method for stiff systems of ordinary differential equations. Applied Mathematics and Computation, 2005, 167, 964-975.	2.2	34
23	Approximate analytical solution of fourth order boundary value problems. Numerical Algorithms, 2005, 40, 67-78.	1.9	18
24	The decomposition method for ordinary differential equations with discontinuities. Applied Mathematics and Computation, 2002, 131, 245-251.	2.2	17
25	Solving Systems of Non-Linear Volterra Integral Equations by Combined Sumudu Transform-Adomian Decomposition Method. Iraqi Journal of Science, 0, , 252-268.	0.3	2
26	An efficient advanced Adomian decomposition method to solve second-order boundary value problems with Neumann conditions. International Mathematical Forum, 0, 10, 13-23.	0.1	2