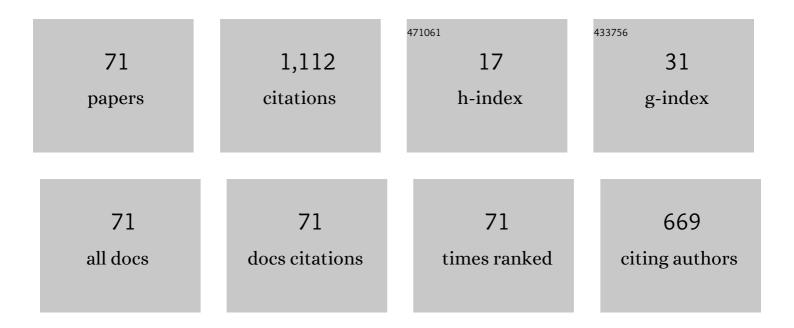
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Application of the fractional differential transform method to fractional-order integro-differential equations with nonlocal boundary conditions. Journal of Computational and Applied Mathematics, 2010, 234, 883-891.	1.1	108
2	Numerical solution of the system of Fredholm integro-differential equations by the Tau method. Applied Mathematics and Computation, 2005, 168, 465-478.	1.4	82
3	Tau numerical solution of Fredholm integro-differential equations with arbitrary polynomial bases. Applied Mathematical Modelling, 2003, 27, 145-154.	2.2	81
4	Numerical solution of the general form linear Fredholm–Volterra integro-differential equations by the Tau method with an error estimation. Applied Mathematics and Computation, 2005, 167, 1418-1429.	1.4	81
5	Numerical solution of a class of Integro-Differential equations by the Tau Method with an error estimation. Applied Mathematics and Computation, 2003, 136, 559-570.	1.4	75
6	Solving a class of two-dimensional linear and nonlinear Volterra integral equations by the differential transform method. Journal of Computational and Applied Mathematics, 2009, 228, 70-76.	1.1	75
7	A matrix formulation of the Tau Method for Fredholm and Volterra linear integro-differential equations. Korean Journal of Computational and Applied Mathematics, 2002, 9, 497-507.	0.2	41
8	Block by block method for the systems of nonlinear Volterra integral equations. Applied Mathematical Modelling, 2010, 34, 400-406.	2.2	37
9	Integration of Volterra model with artificial neural networks for rainfall-runoff simulation in forested catchment of northern Iran. Journal of Hydrology, 2016, 540, 340-354.	2.3	32
10	Analytical lie group approach for solving fractional integro-differential equations. Communications in Nonlinear Science and Numerical Simulation, 2017, 51, 66-77.	1.7	29
11	Numerical piecewise approximate solution of Fredholm integro-differential equations by the Tau method. Applied Mathematical Modelling, 2005, 29, 1005-1021.	2.2	27
12	Numerical solution of the nonlinear Volterra integro-differential equations by the Tau method. Applied Mathematics and Computation, 2007, 188, 1580-1586.	1.4	26
13	A COMPUTATIONAL METHOD FOR SOLVING TWO-DIMENSIONAL LINEAR FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND. ANZIAM Journal, 2008, 49, 543-549.	0.3	24
14	A Tau–like numerical method for solving fractional delay integro–differential equations. Applied Numerical Mathematics, 2020, 151, 322-336.	1.2	24
15	Differential transform method for the system of two-dimensional nonlinear Volterra integro-differential equations. Computers and Mathematics With Applications, 2011, 61, 2621-2629.	1.4	22
16	Development of the Tau Method for the Numerical Solution of Two-dimensional Linear Volterra Integro-differential Equations. Computational Methods in Applied Mathematics, 2009, 9, 421-435.	0.4	20
17	A matrix based method for two dimensional nonlinear Volterra-Fredholm integral equations. Numerical Algorithms, 2015, 68, 511-529.	1.1	18
18	Numerical solution of Volterra integro-differential equations by the Tau method with the Chebyshev and Legendre bases. Applied Mathematics and Computation, 2005, 170, 314-338.	1.4	17

#	Article	IF	CITATIONS
19	Extension of the operational Tau method for solving 1-D nonlinear transient heat conduction equations. Journal of King Saud University - Science, 2013, 25, 283-288.	1.6	14
20	On the structural properties of F m -transform with applications. Fuzzy Sets and Systems, 2018, 342, 32-52.	1.6	14
21	New fractional Lanczos vector polynomials and their application to system of Abel–Volterra integral equations and fractional differential equations. Journal of Computational and Applied Mathematics, 2020, 366, 112409.	1.1	13
22	Super implicit multistep collocation methods for nonlinear Volterra integral equations. Mathematical and Computer Modelling, 2012, 55, 590-607.	2.0	12
23	Convergence analysis of piecewise continuous collocation methods for higher index integral algebraic equations of the Hessenberg type. International Journal of Applied Mathematics and Computer Science, 2013, 23, 341-355.	1.5	12
24	Multistep Hermite collocation methods for solving Volterra Integral Equations. Numerical Algorithms, 2012, 60, 27-50.	1.1	11
25	Hermite and piecewise cubic Hermite interpolation of fuzzy data. Journal of Intelligent and Fuzzy Systems, 2014, 26, 2889-2898.	0.8	11
26	Comparison of Volterra Model and Artificial Neural Networks for Rainfall–Runoff Simulation. Natural Resources Research, 2014, 23, 341-354.	2.2	11
27	A Stable and Convergent Finite Difference Method for Fractional Black–Scholes Model of American Put Option Pricing. Computational Economics, 2019, 53, 191-205.	1.5	11
28	Mathematical Models to Shed Light on Amyloid-Beta and Tau Protein Dependent Pathologies in Alzheimer's Disease. Neuroscience, 2020, 424, 45-57.	1.1	10
29	Computational modeling to determine key regulators of hypoxia effects on theÂlactate production in the glycolysis pathway. Scientific Reports, 2020, 10, 9163.	1.6	10
30	Iterative numerical solution of non-linear integro-differential equations by the Tau method. Applied Mathematics and Computation, 2007, 193, 514-522.	1.4	9
31	A new two-step P-stable hybrid Obrechkoff method for the numerical integration of second-order IVPs. Journal of Computational and Applied Mathematics, 2011, 235, 1706-1712.	1.1	9
32	Quantum stabilizer codes from Abelian and non-Abelian groups association schemes. International Journal of Quantum Information, 2015, 13, 1550021.	0.6	9
33	An Operational Matrix Method for Solving Delay Fredholm and Volterra Integro–Differential Equations. International Journal of Computational Methods, 2016, 13, 1650040.	0.8	9
34	Trigonometric \$\$F^m\$\$ F m -transform and its approximative properties. Soft Computing, 2017, 21, 3567-3577.	2.1	9
35	A computational method for solving two-dimensional linear Volterra integral equations of the first kind. Scientia Iranica, 2012, 19, 829-835.	0.3	8
36	The block-by-block method with Romberg quadrature for the solution of nonlinear volterra integral equations on large intervals. Ukrainian Mathematical Journal, 2012, 64, 1050-1063.	0.1	7

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37	A block by block method with Romberg quadrature for the system of Urysohn type Volterra integral equations. Computational and Applied Mathematics, 2012, 31, 191-203.	1.0	7
38	Dynamical analysis of public health education on HIV/AIDS transmission. Mathematical Methods in the Applied Sciences, 2015, 38, 3601-3614.	1.2	7
39	A matrix formulated algorithm for solving parabolic equations with nonlocal boundary conditions. Numerical Algorithms, 2017, 74, 1203-1221.	1.1	7
40	A new recursive formulation of the Tau method for solving linear Abel–Volterra integral equations and its application to fractional differential equations. Calcolo, 2019, 56, 1.	0.6	7
41	An Approximation Method Based on Matrix Formulated Algorithm for the Heat Equation with Nonlocal Boundary Conditions. Computational Methods in Applied Mathematics, 2012, 12, 92-107.	0.4	6
42	Efficient quadrature rules for solving nonlinear fractional integro-differential equations of the Hammerstein type. Applied Mathematical Modelling, 2015, 39, 5452-5458.	2.2	6
43	The Stability Analysis of Predictor–Corrector Method in Solving American Option Pricing Model. Computational Economics, 2016, 47, 255-274.	1.5	6
44	A BLOCK BY BLOCK METHOD FOR SOLVING SYSTEM OF VOLTERRA INTEGRAL EQUATIONS WITH CONTINUOUS AND ABEL KERNELS. Mathematical Modelling and Analysis, 2015, 20, 737-753.	0.7	5
45	Comparative study of different wavelets for developing parsimonious Volterra model for rainfall-runoff simulation. Water Resources, 2017, 44, 568-578.	0.3	5
46	An equivalence lemma for a class of fuzzy implicit integro-differential equations. Journal of Computational and Applied Mathematics, 2018, 327, 388-399.	1.1	5
47	A new Tau-collocation method with fractional basis for solving weakly singular delay Volterra integro-differential equations. Journal of Applied Mathematics and Computing, 2022, 68, 2435-2469.	1.2	5
48	Topological quantum codes from self-complementary self-dual graphs. Quantum Information Processing, 2015, 14, 4057-4066.	1.0	4
49	Lie symmetry analysis of two dimensional weakly singular integral equations. Journal of Geometry and Physics, 2021, 170, 104385.	0.7	4
50	An operational approach with Pade approximant for the numerical solution of non-linear Fredholm integro-differential equations. Scientia Iranica, 2012, 19, 1691-1698.	0.3	3
51	Numerical solution of transient heat conduction equation with variable thermophysical properties by the Tau method. Numerical Methods for Partial Differential Equations, 2014, 30, 964-977.	2.0	3
52	Approximate solution of dual integral equations using Chebyshev polynomials. International Journal of Computer Mathematics, 2017, 94, 493-502.	1.0	3
53	Numerical Solution of a Nonlinear Fractional Integro-Differential Equation by a Geometric Approach. Differential Equations and Dynamical Systems, 2021, 29, 585-596.	0.5	3
54	Study of Public Health Education Effect on Spread of HIV Infection in a Density-Dependent Transmission Model. Differential Equations and Dynamical Systems, 2020, 28, 201-215.	0.5	3

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55	Torsional Alfvén waves and the period ratio P 1/P 2 in spicules. Astrophysics and Space Science, 2014, 353, 25-29.	0.5	2
56	Two-step collocation methods for two-dimensional Volterra integral equations of the second kind. Journal of Applied Analysis, 2019, 25, 1-11.	0.2	2
57	Numerical solution of the time-fractional Navier–Stokes equations for incompressible flow in a lid-driven cavity. Computational and Applied Mathematics, 2021, 40, 1.	1.0	2
58	Approximate Solution Of The System Of Non-Linear Volterra Integro-Differential Equations. Computational Methods in Applied Mathematics, 2008, 8, 77-85.	0.4	1
59	Approximate Solution of a Singular Integral Cauchy-Kernel Equation of the First Kind. Computational Methods in Applied Mathematics, 2010, 10, 359-367.	0.4	1
60	Review the allocation of production lines in shifts with minimising energy costs approach in Tehran Pegah Co International Journal of Operational Research, 2014, 19, 68.	0.1	1
61	The period ratio P 1 / P 2 \$P_{1}/P_{2}\$ of torsional Alfvén waves with steady flows in spicules. Astrophysics and Space Science, 2016, 361, 1.	0.5	1
62	Free response of a continuous vibrational system with attachments and/or discontinuities using segmented operational Tau method. JVC/Journal of Vibration and Control, 2018, 24, 2120-2133.	1.5	1
63	Solving Finite Part Singular Integral Equations Using Orthogonal Polynomials. Bulletin of the Iranian Mathematical Society, 2020, 46, 799-814.	0.4	1
64	Numerical solution of fractional Blackâ€Scholes model of American put option pricing via a nonstandard finite difference method: Stability and convergent analysis. Mathematical Methods in the Applied Sciences, 2021, 44, 2790-2805.	1.2	1
65	Torsional waves with force-free magnetic fields in solar plasma structures. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4930-4934.	1.6	1
66	Fractional differential equations, compatibility, and exact solutions. Computational and Applied Mathematics, 2022, 41, 1.	1.0	1
67	A quadrature free convergent method for the numerical solution of linear Fredholm integral equations based on Hermite-spline interpolation. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2020041-2020042.	0.2	0
68	On the Accuracy of Fm-transform Approximation in Boundary Subintervals. , 2017, , .		0
69	Quickest flow over time network interdiction: mathematical formulation and a solution method. Operational Research, 2021, 21, 1179-1209.	1.3	0
70	Recursive higher order fuzzy transform method for numerical solution of Volterra integral equation with singular and nonsingular kernels. Journal of Computational and Applied Mathematics, 2022, 403, 113854.	1.1	0
71	A computational method for time fractional partial integro-differential equations. Journal of Applied Analysis, 2020, 26, 315-323.	0.2	Ο