Dajana Conte

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1670572/publications.pdf

Version: 2024-02-01

67	820	430874	580821
papers	citations	18 h-index	25 g-index

70	70	70	250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multistep collocation methods for Volterra Integral Equations. Applied Numerical Mathematics, 2009, 59, 1721-1736.	2.1	74
2	Two-step almost collocation methods for Volterra integral equations. Applied Mathematics and Computation, 2008, 204, 839-853.	2.2	41
3	Fast Rungeâ€“Kutta methods for nonlinear convolution systems of Volterra integral equations. BIT Numerical Mathematics, 2007, 47, 259-275.	2.0	38
4	An error analysis of the multi-configuration time-dependent Hartree method of quantum dynamics. ESAIM: Mathematical Modelling and Numerical Analysis, 2010, 44, 759-780.	1.9	36
5	Fast collocation methods for Volterra integral equations of convolution type. Journal of Computational and Applied Mathematics, 2006, 196, 652-663.	2.0	32
6	Multistep collocation methods for Volterra integro-differential equations. Applied Mathematics and Computation, 2013, 221, 770-785.	2.2	28
7	Two-step Runge-Kutta Methods withÂQuadratic Stability Functions. Journal of Scientific Computing, 2010, 44, 191-218.	2.3	26
8	Numerical search for algebraically stable two-step almost collocation methods. Journal of Computational and Applied Mathematics, 2013, 239, 304-321.	2.0	26
9	Two-step diagonally-implicit collocation based methods for Volterra Integral Equations. Applied Numerical Mathematics, 2012, 62, 1312-1324.	2.1	24
10	High performance parallel numerical methods for Volterra equations with weakly singular kernels. Journal of Computational and Applied Mathematics, 2009, 228, 571-579.	2.0	22
11	GPU-acceleration of waveform relaxation methods for large differential systems. Numerical Algorithms, 2016, 71, 293-310.	1.9	21
12	Exponentially-fitted Gaussâ€“Laguerre quadrature rule for integrals over an unbounded interval. Journal of Computational and Applied Mathematics, 2014, 255, 725-736.	2.0	20
13	Collocation Methods for Volterra Integral and Integro-Differential Equations: A Review. Axioms, 2018, 7, 45.	1.9	20
14	Adapted explicit two-step peer methods. Journal of Numerical Mathematics, 2019, 27, 69-83.	3.5	20
15	Context-aware recommender systems and cultural heritage: a survey. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 3109-3127.	4.9	20
16	An efficient and fast parallel method for Volterra integral equations of Abel type. Journal of Computational and Applied Mathematics, 2006, 189, 481-493.	2.0	19
17	Modified Gaussâ€“Laguerre Exponential Fitting Based Formulae. Journal of Scientific Computing, 2016, 69, 227-243.	2.3	19
18	Construction and implementation of two-step continuous methods for Volterra integral equations. Applied Numerical Mathematics, 2017, 119, 239-247.	2.1	19

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19	Some new uses of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi>Î·</mml:mi><mml:mi>m</mml:mi></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mi>Z</mml:mi><mml:mo stretchy="false">)</mml:mo></mml:math> functions. Computer Physics Communications, 2010, 181, 128-137.	7.5	18
20	Natural Volterra Runge-Kutta methods. Numerical Algorithms, 2014, 65, 421-445.	1.9	18
21	A family of Multistep Collocation Methods for Volterra Integro-Differential Equations. , 2009, , .		17
22	Improved Ï‘-methods for stochastic Volterra integral equations. Communications in Nonlinear Science and Numerical Simulation, 2021, 93, 105528.	3.3	15
23	Stability analysis of spline collocation methods for fractional differential equations. Mathematics and Computers in Simulation, 2020, 178, 501-514.	4.4	14
24	A PRACTICAL APPROACH FOR THE DERIVATION OF ALGEBRAICALLY STABLE TWO-STEP RUNGE-KUTTA METHODS. Mathematical Modelling and Analysis, 2012, 17, 65-77.	1.5	13
25	Parallel methods for weakly singular Volterra integral equations on GPUs. Applied Numerical Mathematics, 2017, 114, 30-37.	2.1	13
26	New fractional Lanczos vector polynomials and their application to system of Abelâ€“Volterra integral equations and fractional differential equations. Journal of Computational and Applied Mathematics, 2020, 366, 112409.	2.0	13
27	Exponentially fitted two-step peer methods for oscillatory problems. Computational and Applied Mathematics, 2020, 39, 1.	2.2	13
28	A Family of Multistep Collocation Methods for Volterra Integral Equations. AIP Conference Proceedings, 2007, , .	0.4	12
29	Optimal Schwarz waveform relaxation for fractional diffusion-wave equations. Applied Numerical Mathematics, 2018, 127, 125-141.	2.1	12
30	Stability Issues for Selected Stochastic Evolutionary Problems: A Review. Axioms, 2018, 7, 91.	1.9	11
31	On the stability of <inline-formula><tex-math id="M1">egin{document} $vartheta$end{document}</tex-math></inline-formula>-methods for stochastic Volterra integral equations. Discrete and Continuous Dynamical Systems - Series B, 2018, 23, 2695-2708.	0.9	10
32	Two-step collocation methods for fractional differential equations. Discrete and Continuous Dynamical Systems - Series B, 2018, 23, 2709-2725.	0.9	10
33	Implementation of second derivative general linear methods. Calcolo, 2020, 57, 1.	1.1	9
34	Recommender System for Digital Storytelling: A Novel Approach to Enhance Cultural Heritage. Lecture Notes in Computer Science, 2021, , 304-317.	1.3	8
35	Synchronization scenarios induced by delayed communication in arrays of diffusively coupled autonomous chemical oscillators. Physical Chemistry Chemical Physics, 2021, 23, 17606-17615.	2.8	8
36	A discrete orthogonal polynomials approach for coupled systems of nonlinear fractional order integro-differential equations. Tbilisi Mathematical Journal, 2019, 12, .	0.3	8

#	Article	IF	Citations
37	Discrete Chebyshev Polynomials for Solving Fractional Variational Problems. Statistics, Optimization and Information Computing, 2021, 9, 502-515.	0.7	6
38	Multivalue mixed collocation methods. Applied Mathematics and Computation, 2021, 409, 126346.	2.2	6
39	Multivalue Collocation Methods for Ordinary and Fractional Differential Equations. Mathematics, 2022, 10, 185.	2.2	6
40	An exponentially fitted quadrature rule over unbounded intervals. , 2012, , .		5
41	Dynamical low-rank approximation to the solution of parabolic differential equations. Applied Numerical Mathematics, 2020, 156, 377-384.	2.1	5
42	Vehicle-to-Everything (V2X) Communication Scenarios for Vehicular Ad-hoc Networking (VANET): AnÂOverview. Lecture Notes in Computer Science, 2021, , 15-30.	1.3	5
43	Optimal control of system governed by nonlinear volterra integral and fractional derivative equations. Computational and Applied Mathematics, 2021, 40, 1.	2.2	5
44	Jacobian-dependent vs Jacobian-free discretizations for nonlinear differential problems. Computational and Applied Mathematics, 2020, 39, 1.	2.2	4
45	Time-Delay Fractional Optimal Control Problems: A Survey Based on Methodology. Lecture Notes in Mechanical Engineering, 2021, , 325-337.	0.4	4
46	A MATLAB Implementation of Spline Collocation Methods for Fractional Differential Equations. Lecture Notes in Computer Science, 2021, , 387-401.	1.3	4
47	Exponentially fitted methods that preserve conservation laws. Communications in Nonlinear Science and Numerical Simulation, 2022, 109, 106334.	3.3	4
48	Two-step peer methods with equation-dependent coefficients. Computational and Applied Mathematics, 2022, 41, 1.	2.2	4
49	Highly stable multivalue collocation methods. Journal of Physics: Conference Series, 2020, 1564, 012012.	0.4	3
50	Regularized exponentially fitted methods for oscillatory problems. Journal of Physics: Conference Series, 2020, 1564, 012013.	0.4	3
51	Implementation of general linear methods for Volterra integral equations. Journal of Computational and Applied Mathematics, 2021, 386, 113261.	2.0	3
52	Jacobian-Dependent Two-Stage Peer Method for Ordinary Differential Equations. Lecture Notes in Computer Science, 2021, , 309-324.	1.3	3
53	Numerical Treatment of Fractional Differential Models. Lecture Notes in Mechanical Engineering, 2021, , 289-302.	0.4	3
54	Comparison Between Protein-Protein Interaction Networks CD4$$^+$$T and CD8$$^+$$T and a Numerical Approach for Fractional HIV Infection of CD4$$^{+}$$T Cells. Lecture Notes in Computer Science, 2021, , 78-94.	1.3	2

#	Article	IF	Citations
55	A Model for Coupled Belousov-Zhabotinsky Oscillators with Delay. , 0, , .		2
56	Advances on Collocation Based Numerical Methods for Ordinary Differential Equations and Volterra Integral Equations. , 2011, , 41-66.		2
57	A Multi-feature Bayesian Approach for Fake News Detection. Lecture Notes in Computer Science, 2020, , 333-344.	1.3	2
58	Modified Collocation Techniques for Volterra Integral Equations. , 2009, , .		1
59	Domain decomposition methods for a class of integro-partial differential equations. AIP Conference Proceedings, 2016, , .	0.4	1
60	On the numerical treatment of selected oscillatory evolutionary problems. AIP Conference Proceedings, 2017, , .	0.4	1
61	Singly diagonally implicit multivalue collocation methods. , 2020, , .		1
62	Continuous Extension of Euler-Maruyama Method for Stochastic Differential Equations. Lecture Notes in Computer Science, 2021, , 135-145.	1.3	1
63	User-Friendly Expressions of the Coefficients of Some Exponentially Fitted Methods. Lecture Notes in Computer Science, 2020, , 47-62.	1.3	1
64	Practical Construction of Two-Step Collocation Runge-Kutta Methods for Ordinary Differential Equations. , 2009, , .		1
65	Multivalue Almost Collocation Methods with Diagonal Coefficient Matrix. Lecture Notes in Computer Science, 2020, , 135-148.	1.3	0
66	Semi-implicit multivalue almost collocation methods. AIP Conference Proceedings, 2022, , .	0.4	0
67	Adapted peer methods for oscillatory problems. AIP Conference Proceedings, 2022, , .	0.4	0