

Eulalia MartÃ-nez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8555042/publications.pdf>

Version: 2024-02-01

75
papers

1,168
citations

394421

19
h-index

395702

33
g-index

76
all docs

76
docs citations

76
times ranked

455
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward a unified theory of inverse-free two-step point-to-point iterative processes. AIP Conference Proceedings, 2022, , .	0.4	0
2	A Family of Derivative Free Algorithms for Multiple-Roots of Van Der Waals Problem. Symmetry, 2022, 14, 562.	2.2	1
3	An improvement of the Kurchatov method by means of a parametric modification. Mathematical Methods in the Applied Sciences, 2022, 45, 6844-6860.	2.3	4
4	An Algorithm Derivative-Free to Improve the Steffensen-Type Methods. Symmetry, 2022, 14, 4.	2.2	0
5	Convergence and dynamics of improved Chebyshev-Secant-type methods for non differentiable operators. Numerical Algorithms, 2021, 86, 1051-1070.	1.9	4
6	Iterative schemes for solving the Chandrasekhar H-equation using the Bernstein polynomials. Journal of Computational and Applied Mathematics, 2021, 404, 113391.	2.0	1
7	On the Chandrasekhar integral equation. Computational and Mathematical Methods, 2021, 3, e1150.	0.8	0
8	Derivative-Free King's Scheme for Multiple Zeros of Nonlinear Functions. Mathematics, 2021, 9, 1242.	2.2	6
9	Semilocal Convergence of the Extension of Chun's Method. Axioms, 2021, 10, 161.	1.9	2
10	Solving nonlinear integral equations with non-separable kernel via a high-order iterative process. Applied Mathematics and Computation, 2021, 409, 126385.	2.2	3
11	Domain of existence for the solution of some IVP's and BVP's by using an efficient ninth-order iterative method. Mathematical Methods in the Applied Sciences, 2020, 43, 7934-7947.	2.3	0
12	A multistep Steffensen's type method for solving nonlinear systems of equations. Mathematical Methods in the Applied Sciences, 2020, 43, 7518-7536.	2.3	3
13	On nonlinear Fredholm integral equations with non-differentiable Nemystkii operator. Mathematical Methods in the Applied Sciences, 2020, 43, 7961-7976.	2.3	4
14	Serial and Parallel Iterative Splitting Methods: Algorithms and Applications to Fractional Convection-Diffusion Equations. Mathematics, 2020, 8, 1950.	2.2	1
15	A reliable treatment to solve nonlinear Fredholm integral equations with non-separable kernel. Journal of Computational and Applied Mathematics, 2020, 404, 113115.	2.0	2
16	Domain of Existence and Uniqueness for Nonlinear Hammerstein Integral Equations. Mathematics, 2020, 8, 384.	2.2	0
17	Improved Iterative Solution of Linear Fredholm Integral Equations of Second Kind via Inverse-Free Iterative Schemes. Mathematics, 2020, 8, 1747.	2.2	5
18	Adaptive Iterative Splitting Methods for Convection-Diffusion-Reaction Equations. Mathematics, 2020, 8, 302.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Localization and separation of solutions for Fredholm integral equations. Journal of Mathematical Analysis and Applications, 2020, 487, 124008.	1.0	1
20	A study of the local convergence of a fifth order iterative method. Indian Journal of Pure and Applied Mathematics, 2020, 51, 439-455.	0.5	19
21	A New High-Order and Efficient Family of Iterative Techniques for Nonlinear Models. Complexity, 2020, 2020, 1-11.	1.6	12
22	Recurrence relations for a family of iterations assuming Hölder continuous second order Fréchet derivative. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, .	1.0	1
23	Parallel iterative splitting methods: Algorithms and applications. , 2020, , .		1
24	Local Convergence Balls for Nonlinear Problems with Multiplicity and Their Extension to Eighth-Order Convergence. Mathematical Problems in Engineering, 2019, 2019, 1-17.	1.1	0
25	Local Convergence and Dynamics of a Family of Iterative Methods for Multiple Roots of Nonlinear Equations. Vietnam Journal of Mathematics, 2019, 47, 367-386.	0.8	1
26	Multipoint efficient iterative methods and the dynamics of Ostrowski's method. International Journal of Computer Mathematics, 2019, 96, 1687-1701.	1.8	3
27	Directional k-Step Newton Methods in n Variables and its Semilocal Convergence Analysis. Mediterranean Journal of Mathematics, 2018, 15, 1.	0.8	2
28	On the local convergence study for an efficient k-step iterative method. Journal of Computational and Applied Mathematics, 2018, 343, 753-761.	2.0	22
29	A class of efficient high-order iterative methods with memory for nonlinear equations and their dynamics. Mathematical Methods in the Applied Sciences, 2018, 41, 7263-7282.	2.3	7
30	Semilocal convergence of a Secant-type method under weak Lipschitz conditions in Banach spaces. Journal of Computational and Applied Mathematics, 2018, 330, 732-741.	2.0	9
31	Improving the accessibility of Steffensen's method by decomposition of operators. Journal of Computational and Applied Mathematics, 2018, 330, 536-552.	2.0	2
32	A note on the convergence radius of Osada's method under Hölder continuous condition. Applied Mathematics and Computation, 2018, 321, 689-699.	2.2	0
33	Convergence of an Iteration of Fifth-Order Using Weaker Conditions on First Order Fréchet Derivative in Banach Spaces. International Journal of Computational Methods, 2018, 15, 1850048.	1.3	2
34	Local convergence study for multiple roots. Estimating the multiplicity. AIP Conference Proceedings, 2018, , .	0.4	0
35	Convergence of a Two-Step Iterative Method for Nondifferentiable Operators in Banach Spaces. Complexity, 2018, 2018, 1-11.	1.6	1
36	Local convergence of a parameter based iteration with Hölder continuous derivative in Banach spaces. Calcolo, 2017, 54, 527-539.	1.1	19

#	ARTICLE	IF	CITATIONS
37	Semilocal convergence of a k-step iterative process and its application for solving a special kind of conservative problems. Numerical Algorithms, 2017, 76, 309-331.	1.9	15
38	Multistep High-Order Methods for Nonlinear Equations Using Padé-Like Approximants. Discrete Dynamics in Nature and Society, 2017, 2017, 1-6.	0.9	0
39	Semilocal Convergence Analysis of an Iteration of Order Five Using Recurrence Relations in Banach Spaces. Mediterranean Journal of Mathematics, 2016, 13, 4219-4235.	0.8	15
40	Local convergence of a family of iterative methods for Hammerstein equations. Journal of Mathematical Chemistry, 2016, 54, 1370-1386.	1.5	2
41	Enlarging the convergence domain in local convergence studies for iterative methods in Banach spaces. Applied Mathematics and Computation, 2016, 281, 252-265.	2.2	28
42	Dynamical study while searching equilibrium solutions in N-body problem. Journal of Computational and Applied Mathematics, 2016, 297, 26-40.	2.0	0
43	On an efficient k -step iterative method for nonlinear equations. Journal of Computational and Applied Mathematics, 2016, 302, 258-271.	2.0	18
44	On the semilocal convergence of a three steps Newton-type iterative process under mild convergence conditions. Numerical Algorithms, 2015, 70, 377-392.	1.9	20
45	Derivative free iterative methods for nonlinear systems. Applied Mathematics and Computation, 2015, 259, 955-966.	2.2	2
46	Determination of multiple roots of nonlinear equations and applications. Journal of Mathematical Chemistry, 2015, 53, 880-892.	1.5	40
47	Convergence, efficiency and dynamics of new fourth and sixth order families of iterative methods for nonlinear systems. Journal of Computational and Applied Mathematics, 2015, 275, 412-420.	2.0	53
48	Semilocal convergence of a family of iterative methods in Banach spaces. Numerical Algorithms, 2014, 67, 365-384.	1.9	16
49	Some learning objects to explain Kepler's laws. Computer Applications in Engineering Education, 2013, 21, 1-7.	3.4	2
50	An algorithm to evaluate routing conditions in smartphones-based wireless networks. Expert Systems With Applications, 2013, 40, 5033-5048.	7.6	0
51	A new technique to obtain derivative-free optimal iterative methods for solving nonlinear equations. Journal of Computational and Applied Mathematics, 2013, 252, 95-102.	2.0	34
52	Generating optimal derivative free iterative methods for nonlinear equations by using polynomial interpolation. Mathematical and Computer Modelling, 2013, 57, 1950-1956.	2.0	26
53	A Family of Derivative-Free Methods with High Order of Convergence and Its Application to Nonsmooth Equations. Abstract and Applied Analysis, 2012, 2012, 1-15.	0.7	6
54	Increasing the convergence order of an iterative method for nonlinear systems. Applied Mathematics Letters, 2012, 25, 2369-2374.	2.7	94

#	ARTICLE	IF	CITATIONS
73	A transformation for the mixed general routing problem with turn penalties. Journal of the Operational Research Society, 2008, 59, 540-547.	3.4	21
74	The Rural Postman Problem on mixed graphs with turn penalties. Computers and Operations Research, 2002, 29, 887-903.	4.0	25
75	Extended convergence for a fifth-order novel scheme free from derivatives. Mathematical Methods in the Applied Sciences, 0, , .	2.3	1