

Juan R Torregrosa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

228
papers

2,784
citations

25
h-index

43
g-index

252
ext. papers

3,150
ext. citations

2
avg, IF

5.71
L-index

#	Paper	IF	Citations
228	Iterative processes with fractional derivatives 2022 , 119-150		
227	Dynamical analysis of an iterative method with memory on a family of third-degree polynomials. <i>AIMS Mathematics</i> , 2022 , 7, 6445-6466	2.2	
226	An optimal and low computational cost fractional Newton-type method for solving nonlinear equations. <i>Applied Mathematics Letters</i> , 2022 , 124, 107650	3.5	7
225	Symmetry in the Multidimensional Dynamical Analysis of Iterative Methods with Memory. <i>Symmetry</i> , 2022 , 14, 442	2.7	
224	Derivative-Free Iterative Schemes for Multiple Roots of Nonlinear Functions. <i>Mathematics</i> , 2022 , 10, 1530	2.3	1
223	The STEM Methodology and Graph Theory: Some Practical Examples. <i>Mathematics</i> , 2021 , 9, 3110	2.3	1
222	Memorizing Schröder's Method as an Efficient Strategy for Estimating Roots of Unknown Multiplicity. <i>Mathematics</i> , 2021 , 9, 2570	2.3	1
221	Chaos and Stability in a New Iterative Family for Solving Nonlinear Equations. <i>Algorithms</i> , 2021 , 14, 101	1.8	4
220	A General Optimal Iterative Scheme with Arbitrary Order of Convergence. <i>Symmetry</i> , 2021 , 13, 884	2.7	3
219	New fourth- and sixth-order classes of iterative methods for solving systems of nonlinear equations and their stability analysis. <i>Numerical Algorithms</i> , 2021 , 87, 1017-1060	2.1	4
218	Convergence and Stability of a Parametric Class of Iterative Schemes for Solving Nonlinear Systems. <i>Mathematics</i> , 2021 , 9, 86	2.3	9
217	Semilocal Convergence of the Extension of Chun's Method. <i>Axioms</i> , 2021 , 10, 161	1.6	
216	A new higher-order optimal derivative free scheme for multiple roots. <i>Journal of Computational and Applied Mathematics</i> , 2021 , 113773	2.4	3
215	Design, Convergence and Stability of a Fourth-Order Class of Iterative Methods for Solving Nonlinear Vectorial Problems. <i>Fractal and Fractional</i> , 2021 , 5, 125	3	2
214	A New High-Order Jacobian-Free Iterative Method with Memory for Solving Nonlinear Systems. <i>Mathematics</i> , 2021 , 9, 2122	2.3	
213	Multipoint Fractional Iterative Methods with $(2k-1)$ th-Order of Convergence for Solving Nonlinear Problems. <i>Mathematics</i> , 2020 , 8, 452	2.3	9
212	On the effect of the multidimensional weight functions on the stability of iterative processes. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 113052	2.4	1

211	High order family of multivariate iterative methods: Convergence and stability. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 405, 113053	2.4	3
210	Impact on Stability by the Use of Memory in Traub-Type Schemes. <i>Mathematics</i> , 2020 , 8, 274	2.3	3
209	Some variants of Halley's method with memory and their applications for solving several chemical problems. <i>Journal of Mathematical Chemistry</i> , 2020 , 58, 751-774	2.1	3
208	On the improvement of the order of convergence of iterative methods for solving nonlinear systems by means of memory. <i>Applied Mathematics Letters</i> , 2020 , 104, 106277	3.5	8
207	Optimal eighth-order iterative methods for approximating multiple zeros of nonlinear functions. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2020 , 114, 1	1.6	2
206	A stable class of modified Newton-like methods for multiple roots and their dynamics. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2020 , 21, 603-621	1.8	0
205	On the choice of the best members of the Kim family and the improvement of its convergence. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , 43, 8051-8066	2.3	3
204	Solutions of fractional gas dynamics equation by a new technique. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , 43, 1349-1358	2.3	20
203	CMMSE-2019 mean-based iterative methods for solving nonlinear chemistry problems. <i>Journal of Mathematical Chemistry</i> , 2020 , 58, 555-572	2.1	2
202	Memory in a New Variant of King's Family for Solving Nonlinear Systems. <i>Mathematics</i> , 2020 , 8, 1251	2.3	1
201	Generalized Inverses Estimations by Means of Iterative Methods with Memory. <i>Mathematics</i> , 2020 , 8, 2	2.3	3
200	A family of optimal fourth-order methods for multiple roots of nonlinear equations. <i>Mathematical Methods in the Applied Sciences</i> , 2020 , 43, 7869-7884	2.3	3
199	Anomalies in the convergence of Traub-type methods with memory. <i>Computational and Mathematical Methods</i> , 2020 , 2, e1060	0.9	
198	A Convex Combination Approach for Mean-Based Variants of Newton's Method. <i>Symmetry</i> , 2019 , 11, 1106	2.7	2
197	Approximating the inverse and the Moore-Penrose inverse of complex matrices. <i>Mathematical Methods in the Applied Sciences</i> , 2019 , 42, 5920-5928	2.3	
196	An Efficient Iterative Method Based on Two-Stage Splitting Methods to Solve Weakly Nonlinear Systems. <i>Mathematics</i> , 2019 , 7, 815	2.3	1
195	A new efficient parametric family of iterative methods for solving nonlinear systems. <i>Journal of Difference Equations and Applications</i> , 2019 , 25, 1454-1467	1	2
194	Modified Potra-Pt's Multi-step Schemes with Accelerated Order of Convergence for Solving Systems of Nonlinear Equations. <i>Mathematical and Computational Applications</i> , 2019 , 24, 3	1	

193	Efficiency and Stability of a Family of Iterative Schemes for Solving Nonlinear Equations. <i>Lecture Notes in Computer Science</i> , 2019 , 185-192	0.9	
192	Stability of a Family of Iterative Methods of Fourth-Order. <i>Lecture Notes in Computer Science</i> , 2019 , 193-200	0.9	
191	Multidimensional Real Dynamics for High-Order Processes. <i>Lecture Notes in Computer Science</i> , 2019 , 201-207	0.9	
190	Bi-parametric Family of Methods with Memory Based of Ostrowski-Chun Method. <i>Lecture Notes in Computer Science</i> , 2019 , 208-215	0.9	
189	A Family of Optimal Eighth Order Multiple Root Finders with Multivariate Weight Function. <i>Lecture Notes in Computer Science</i> , 2019 , 663-669	0.9	
188	Generating Root-Finder Iterative Methods of Second Order: Convergence and Stability. <i>Axioms</i> , 2019 , 8, 55	1.6	7
187	Stability Anomalies of Some Jacobian-Free Iterative Methods of High Order of Convergence. <i>Axioms</i> , 2019 , 8, 51	1.6	
186	A class of four parametric with- and without-memory root finding methods. <i>Computational and Mathematical Methods</i> , 2019 , 1, e1024	0.9	2
185	Wide stability in a new family of optimal fourth-order iterative methods. <i>Computational and Mathematical Methods</i> , 2019 , 1, e1023	0.9	6
184	A novel bi-parametric sixth order iterative scheme for solving nonlinear systems and its dynamics. <i>Applied Mathematics and Computation</i> , 2019 , 357, 147-166	2.7	6
183	A fast algorithm to solve systems of nonlinear equations. <i>Journal of Computational and Applied Mathematics</i> , 2019 , 354, 242-258	2.4	14
182	Fixed Point Root-Finding Methods of Fourth-Order of Convergence. <i>Symmetry</i> , 2019 , 11, 769	2.7	3
181	A fractional Newton method with 2 th -order of convergence and its stability. <i>Applied Mathematics Letters</i> , 2019 , 98, 344-351	3.5	29
180	A New Class of Iterative Processes for Solving Nonlinear Systems by Using One Divided Differences Operator. <i>Mathematics</i> , 2019 , 7, 776	2.3	3
179	A Variant of Chebyshev Method with 3 th -Order of Convergence by Using Fractional Derivatives. <i>Symmetry</i> , 2019 , 11, 1017	2.7	10
178	Stability analysis of fourth-order iterative method for finding multiple roots of non-linear equations. <i>Applied Mathematics and Nonlinear Sciences</i> , 2019 , 4, 43-56	4	39
177	DYNAMICAL ANALYSIS TO EXPLAIN THE NUMERICAL ANOMALIES IN THE FAMILY OF ERMAKOV-KALITLIN TYPE METHODS. <i>Mathematical Modelling and Analysis</i> , 2019 , 24, 335-350	1.3	
176	A New Three-Step Class of Iterative Methods for Solving Nonlinear Systems. <i>Mathematics</i> , 2019 , 7, 1221	2.3	3

175	Iterative Methods with Memory for Solving Systems of Nonlinear Equations Using a Second Order Approximation. <i>Mathematics</i> , 2019 , 7, 1069	2.3	8
174	Generalized High-Order Classes for Solving Nonlinear Systems and Their Applications. <i>Mathematics</i> , 2019 , 7, 1194	2.3	2
173	Stability Analysis of Jacobian-Free Newton's Iterative Method. <i>Algorithms</i> , 2019 , 12, 236	1.8	1
172	Avoiding strange attractors in efficient parametric families of iterative methods for solving nonlinear problems. <i>Applied Numerical Mathematics</i> , 2019 , 137, 1-18	2.5	3
171	A general class of four parametric with- and without memory iterative methods for nonlinear equations. <i>Journal of Mathematical Chemistry</i> , 2019 , 57, 1448-1471	2.1	
170	Stability analysis of Jacobian-free iterative methods for solving nonlinear systems by using families of mth power divided differences. <i>Journal of Mathematical Chemistry</i> , 2019 , 57, 1344-1373	2.1	2
169	Stability and applicability of iterative methods with memory. <i>Journal of Mathematical Chemistry</i> , 2019 , 57, 1282-1300	2.1	10
168	Stability analysis of a family of optimal fourth-order methods for multiple roots. <i>Numerical Algorithms</i> , 2019 , 81, 947-981	2.1	5
167	Dynamics of iterative families with memory based on weight functions procedure. <i>Journal of Computational and Applied Mathematics</i> , 2019 , 354, 286-298	2.4	10
166	Preserving the order of convergence: Low-complexity Jacobian-free iterative schemes for solving nonlinear systems. <i>Journal of Computational and Applied Mathematics</i> , 2018 , 337, 87-97	2.4	9
165	Dynamical analysis on cubic polynomials of Damped Traub's method for approximating multiple roots. <i>Applied Mathematics and Computation</i> , 2018 , 328, 82-99	2.7	2
164	Stability analysis of a parametric family of seventh-order iterative methods for solving nonlinear systems. <i>Applied Mathematics and Computation</i> , 2018 , 323, 43-57	2.7	7
163	Choosing the most stable members of Kou's family of iterative methods. <i>Journal of Computational and Applied Mathematics</i> , 2018 , 330, 759-769	2.4	10
162	Highly efficient iterative algorithms for solving nonlinear systems with arbitrary order of convergence $p+3$, p . <i>Journal of Computational and Applied Mathematics</i> , 2018 , 330, 748-758	2.4	4
161	An eighth-order family of optimal multiple root finders and its dynamics. <i>Numerical Algorithms</i> , 2018 , 77, 1249-1272	2.1	20
160	Multiplicity anomalies of an optimal fourth-order class of iterative methods for solving nonlinear equations. <i>Nonlinear Dynamics</i> , 2018 , 91, 81-112	5	6
159	Optimal iterative methods for finding multiple roots of nonlinear equations using free parameters. <i>Journal of Mathematical Chemistry</i> , 2018 , 56, 1884-1901	2.1	18
158	CMMSE2017: On two classes of fourth- and seventh-order vectorial methods with stable behavior. <i>Journal of Mathematical Chemistry</i> , 2018 , 56, 1902-1923	2.1	

157	Optimal iterative methods for finding multiple roots of nonlinear equations using weight functions and dynamics. <i>Journal of Computational and Applied Mathematics</i> , 2018 , 342, 352-374	2.4	6
156	Dynamical Techniques for Analyzing Iterative Schemes with Memory. <i>Complexity</i> , 2018 , 2018, 1-13	1.6	3
155	New Iterative Methods for Solving Nonlinear Problems with One and Several Unknowns. <i>Mathematics</i> , 2018 , 6, 296	2.3	3
154	An Efficient Family of Optimal Eighth-Order Multiple Root Finders. <i>Mathematics</i> , 2018 , 6, 310	2.3	8
153	Corrigendum to Dynamical Techniques for Analyzing Iterative Schemes with Memory <i>Complexity</i> , 2018 , 2018, 1-1	1.6	
152	Efficient Four-Parametric with-and-without-Memory Iterative Methods Possessing High Efficiency Indices. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-12	1.1	3
151	Stability of a fourth order bi-parametric family of iterative methods. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 312, 94-102	2.4	3
150	A sixth-order iterative method for approximating the polar decomposition of an arbitrary matrix. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 318, 591-598	2.4	1
149	Third-degree anomalies of Traub's method. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 309, 511-521	2.4	6
148	Stability of King's family of iterative methods with memory. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 318, 504-514	2.4	16
147	On the convergence of a higher order family of methods and its dynamics. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 309, 542-562	2.4	8
146	Multidimensional stability analysis of a family of biparametric iterative methods: CMMSE2016. <i>Journal of Mathematical Chemistry</i> , 2017 , 55, 1461-1480	2.1	6
145	A family of parametric schemes of arbitrary even order for solving nonlinear models: CMMSE2016. <i>Journal of Mathematical Chemistry</i> , 2017 , 55, 1443-1460	2.1	
144	Stable high-order iterative methods for solving nonlinear models. <i>Applied Mathematics and Computation</i> , 2017 , 303, 70-88	2.7	16
143	King-Type Derivative-Free Iterative Families: Real and Memory Dynamics. <i>Complexity</i> , 2017 , 2017, 1-15	1.6	7
142	Iterative Methods and Dynamics for Nonlinear Problems. <i>Discrete Dynamics in Nature and Society</i> , 2017 , 2017, 1-1	1.1	
141	Multistep High-Order Methods for Nonlinear Equations Using Padé-like Approximants. <i>Discrete Dynamics in Nature and Society</i> , 2017 , 2017, 1-6	1.1	
140	Numerically stable improved Chebyshev-Halley type schemes for matrix sign function. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 318, 189-198	2.4	7

139	Design and multidimensional extension of iterative methods for solving nonlinear problems. <i>Applied Mathematics and Computation</i> , 2017 , 293, 194-203	2.7	7
138	A dynamical comparison between iterative methods with memory: Are the derivatives good for the memory?. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 318, 335-347	2.4	1
137	Widening basins of attraction of optimal iterative methods. <i>Nonlinear Dynamics</i> , 2017 , 87, 913-938	5	6
136	A family of Kurchatov-type methods and its stability. <i>Applied Mathematics and Computation</i> , 2017 , 294, 264-279	2.7	8
135	Efficient High-Order Iterative Methods for Solving Nonlinear Systems and Their Application on Heat Conduction Problems. <i>Complexity</i> , 2017 , 2017, 1-11	1.6	20
134	Damped Traub method: Convergence and stability. <i>Mathematics and Computers in Simulation</i> , 2016 , 119, 57-68	3.3	3
133	Mathematical modeling and computational methods. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 291, 1-4	2.4	5
132	An optimal fourth-order family of methods for multiple roots and its dynamics. <i>Numerical Algorithms</i> , 2016 , 71, 775-796	2.1	39
131	Study of iterative methods through the Cayley Quadratic Test. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 291, 358-369	2.4	17
130	Some new bi-accelerator two-point methods for solving nonlinear equations. <i>Computational and Applied Mathematics</i> , 2016 , 35, 251-267		6
129	New efficient methods for solving nonlinear systems of equations with arbitrary even order. <i>Applied Mathematics and Computation</i> , 2016 , 287-288, 94-103	2.7	10
128	Chaos and convergence of a family generalizing Homeier method with damping parameters. <i>Nonlinear Dynamics</i> , 2016 , 85, 1939-1954	5	1
127	Stability study of eighth-order iterative methods for solving nonlinear equations. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 291, 348-357	2.4	26
126	Orbits of period two in the family of a multipoint variant of Chebyshev-Halley family. <i>Numerical Algorithms</i> , 2016 , 73, 141-156	2.1	7
125	A stable class of improved second-derivative free Chebyshev-Halley type methods with optimal eighth order convergence. <i>Numerical Algorithms</i> , 2016 , 72, 937-958	2.1	5
124	Analysis and Models in Interdisciplinary Mathematics 2016. <i>Abstract and Applied Analysis</i> , 2016 , 2016, 1-1	0.7	
123	Real and Complex Dynamics of Iterative Methods. <i>Discrete Dynamics in Nature and Society</i> , 2016 , 2016, 1-2	1.1	
122	Design, Analysis, and Applications of Iterative Methods for Solving Nonlinear Systems 2016 ,		2

121	Dynamics of a multipoint variant of Chebyshev-Halley family. <i>Applied Mathematics and Computation</i> , 2016 , 284, 195-208	2.7	
120	Stability analysis of a parametric family of iterative methods for solving nonlinear models. <i>Applied Mathematics and Computation</i> , 2016 , 285, 26-40	2.7	28
119	On the Design of Optimal Iterative Methods for Solving Nonlinear Equations. <i>SEMA SIMAI Springer Series</i> , 2016 , 79-111	0.2	1
118	Behaviour of fixed and critical points of the $(\text{left}(\alpha, \text{right}))$ -family of iterative methods. <i>Journal of Mathematical Chemistry</i> , 2015 , 53, 807-827	2.1	
117	Multidimensional generalization of iterative methods for solving nonlinear problems by means of weight-function procedure. <i>Applied Mathematics and Computation</i> , 2015 , 268, 1064-1071	2.7	17
116	On developing fourth-order optimal families of methods for multiple roots and their dynamics. <i>Applied Mathematics and Computation</i> , 2015 , 265, 520-532	2.7	43
115	On the convergence of a Damped Secant method with modified right-hand side vector. <i>Applied Mathematics and Computation</i> , 2015 , 252, 315-323	2.7	2
114	Multidimensional Homeier generalized class and its application to planar 1D Bratu problem. <i>SeMA Journal</i> , 2015 , 70, 1-10	1.2	
113	A new fourth-order family for solving nonlinear problems and its dynamics. <i>Journal of Mathematical Chemistry</i> , 2015 , 53, 893-910	2.1	23
112	Two weighted eight-order classes of iterative root-finding methods. <i>International Journal of Computer Mathematics</i> , 2015 , 92, 1790-1805	1.2	9
111	A multidimensional dynamical approach to iterative methods with memory. <i>Applied Mathematics and Computation</i> , 2015 , 271, 701-715	2.7	19
110	Construction of fourth-order optimal families of iterative methods and their dynamics. <i>Applied Mathematics and Computation</i> , 2015 , 271, 89-101	2.7	10
109	Some new efficient multipoint iterative methods for solving nonlinear systems of equations. <i>International Journal of Computer Mathematics</i> , 2015 , 92, 1921-1934	1.2	34
108	On the local convergence of a fifth-order iterative method in Banach spaces. <i>Applied Mathematics and Computation</i> , 2015 , 251, 396-403	2.7	26
107	Low-complexity root-finding iteration functions with no derivatives of any order of convergence. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 275, 502-515	2.4	19
106	An efficient two-parametric family with memory for nonlinear equations. <i>Numerical Algorithms</i> , 2015 , 68, 323-335	2.1	25
105	Solving nonlinear problems by Ostrowski-Thun type parametric families. <i>Journal of Mathematical Chemistry</i> , 2015 , 53, 430-449	2.1	18
104	Semilocal convergence by using recurrence relations for a fifth-order method in Banach spaces. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 273, 205-213	2.4	18

103	One-point Newton-type iterative methods: A unified point of view. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 275, 366-374	2.4	8
102	Numerical Solution of Turbulence Problems by Solving Burgers Equation. <i>Algorithms</i> , 2015 , 8, 224-233	1.8	7
101	Dynamics and Fractal Dimension of Steffensen-Type Methods. <i>Algorithms</i> , 2015 , 8, 271-279	1.8	11
100	Design of High-Order Iterative Methods for Nonlinear Systems by Using Weight Function Procedure. <i>Abstract and Applied Analysis</i> , 2015 , 2015, 1-12	0.7	6
99	Dynamics of the family of c-iterative methods. <i>International Journal of Computer Mathematics</i> , 2015 , 92, 1815-1825	1.2	8
98	On the convergence of a damped Newton-like method with modified right hand side vector. <i>Applied Mathematics and Computation</i> , 2015 , 266, 927-936	2.7	7
97	New family of iterative methods based on the Ermakov-Kalitkin scheme for solving nonlinear systems of equations. <i>Computational Mathematics and Mathematical Physics</i> , 2015 , 55, 1947-1959	0.9	5
96	A new family of iterative methods widening areas of convergence. <i>Applied Mathematics and Computation</i> , 2015 , 252, 405-417	2.7	9
95	A stable family with high order of convergence for solving nonlinear equations. <i>Applied Mathematics and Computation</i> , 2015 , 254, 240-251	2.7	11
94	On the extension of Householder method for weighted Moore-Penrose inverse. <i>Applied Mathematics and Computation</i> , 2014 , 231, 407-413	2.7	4
93	Accelerated iterative methods for finding solutions of nonlinear equations and their dynamical behavior. <i>Calcolo</i> , 2014 , 51, 17-30	1.5	14
92	Two Optimal General Classes of Iterative Methods with Eighth-Order. <i>Acta Applicandae Mathematicae</i> , 2014 , 134, 61-74	1.1	12
91	Some results on B-matrices and doubly B-matrices. <i>Linear Algebra and Its Applications</i> , 2014 , 459, 101-120.	0.9	9
90	Dynamical analysis of iterative methods for nonlinear systems or how to deal with the dimension?. <i>Applied Mathematics and Computation</i> , 2014 , 244, 398-412	2.7	24
89	A class of optimal eighth-order derivative-free methods for solving the Danckwerts-Gauss problem. <i>Applied Mathematics and Computation</i> , 2014 , 232, 237-246	2.7	16
88	Real qualitative behavior of a fourth-order family of iterative methods by using the convergence plane. <i>Mathematics and Computers in Simulation</i> , 2014 , 105, 49-61	3.3	25
87	Iterative Fixed-Point Methods for Solving Nonlinear Problems: Dynamics and Applications. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-2	0.7	
86	Characterization of the existence of an NO-completion of a partial NO-matrix with an associated directed cycle. <i>Scientific World Journal, The</i> , 2014 , 2014, 835017	2.2	

85	On generalization based on bi et Al. Iterative methods with eighth-order convergence for solving nonlinear equations. <i>Scientific World Journal, The</i> , 2014 , 2014, 272949	2.2	2
84	Modifications of Newton's method to extend the convergence domain. <i>SeMA Journal</i> , 2014 , 66, 43-53	1.2	4
83	Optimal High-Order Methods for Solving Nonlinear Equations. <i>Journal of Applied Mathematics</i> , 2014 , 2014, 1-9	1.1	6
82	Basins of Attraction for Various Steffensen-Type Methods. <i>Journal of Applied Mathematics</i> , 2014 , 2014, 1-17	1.1	20
81	Iterative Methods for Nonlinear Equations or Systems and Their Applications 2014. <i>Journal of Applied Mathematics</i> , 2014 , 2014, 1-2	1.1	2
80	On improved three-step schemes with high efficiency index and their dynamics. <i>Numerical Algorithms</i> , 2014 , 65, 153-169	2.1	22
79	Dynamics of a family of Chebyshev-Halley type methods. <i>Applied Mathematics and Computation</i> , 2013 , 219, 8568-8583	2.7	72
78	Period-doubling bifurcations in the family of Chebyshev-Halley-type methods. <i>International Journal of Computer Mathematics</i> , 2013 , 90, 2061-2071	1.2	6
77	Derivative-free high-order methods applied to preliminary orbit determination. <i>Mathematical and Computer Modelling</i> , 2013 , 57, 1795-1799		1
76	Increasing the order of convergence of iterative schemes for solving nonlinear systems. <i>Journal of Computational and Applied Mathematics</i> , 2013 , 252, 86-94	2.4	26
75	Complex dynamics of derivative-free methods for nonlinear equations. <i>Applied Mathematics and Computation</i> , 2013 , 219, 7023-7035	2.7	84
74	A new technique to obtain derivative-free optimal iterative methods for solving nonlinear equations. <i>Journal of Computational and Applied Mathematics</i> , 2013 , 252, 95-102	2.4	24
73	Generating optimal derivative free iterative methods for nonlinear equations by using polynomial interpolation. <i>Mathematical and Computer Modelling</i> , 2013 , 57, 1950-1956		20
72	Chaos in King's iterative family. <i>Applied Mathematics Letters</i> , 2013 , 26, 842-848	3.5	105
71	Local convergence and dynamical analysis of a new family of optimal fourth-order iterative methods. <i>International Journal of Computer Mathematics</i> , 2013 , 90, 2049-2060	1.2	14
70	Fourth- and Fifth-Order Methods for Solving Nonlinear Systems of Equations: An Application to the Global Positioning System. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-10	0.7	14
69	Iterative Methods for Nonlinear Equations or Systems and Their Applications. <i>Journal of Applied Mathematics</i> , 2013 , 2013, 1-2	1.1	6
68	Bulbs of Period Two in the Family of Chebyshev-Halley Iterative Methods on Quadratic Polynomials. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-10	0.7	4

67	Preliminary Orbit Determination of Artificial Satellites: A Vectorial Sixth-Order Approach. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-10	0.7	4
66	Drawing dynamical and parameters planes of iterative families and methods. <i>Scientific World Journal, The</i> , 2013 , 2013, 780153	2.2	114
65	New Family of Iterative Methods with High Order of Convergence for Solving Nonlinear Systems. <i>Lecture Notes in Computer Science</i> , 2013 , 222-230	0.9	
64	Pseudocomposition: A technique to design predictor-corrector methods for systems of nonlinear equations. <i>Applied Mathematics and Computation</i> , 2012 , 218, 11496-11504	2.7	24
63	Increasing the convergence order of an iterative method for nonlinear systems. <i>Applied Mathematics Letters</i> , 2012 , 25, 2369-2374	3.5	71
62	Steffensen type methods for solving nonlinear equations. <i>Journal of Computational and Applied Mathematics</i> , 2012 , 236, 3058-3064	2.4	29
61	A Family of Derivative-Free Methods with High Order of Convergence and Its Application to Nonsmooth Equations. <i>Abstract and Applied Analysis</i> , 2012 , 2012, 1-15	0.7	5
60	Study of the dynamics of third-order iterative methods on quadratic polynomials. <i>International Journal of Computer Mathematics</i> , 2012 , 89, 1826-1836	1.2	7
59	A Family of Iterative Methods with Accelerated Eighth-Order Convergence. <i>Journal of Applied Mathematics</i> , 2012 , 2012, 1-9	1.1	1
58	On a Novel Fourth-Order Algorithm for Solving Systems of Nonlinear Equations. <i>Journal of Applied Mathematics</i> , 2012 , 2012, 1-12	1.1	23
57	Artificial satellites preliminary orbit determination by the modified high-order Gauss method. <i>International Journal of Computer Mathematics</i> , 2012 , 89, 347-356	1.2	2
56	New Predictor-Corrector Methods with High Efficiency for Solving Nonlinear Systems. <i>Journal of Applied Mathematics</i> , 2012 , 2012, 1-15	1.1	1
55	Efficient high-order methods based on golden ratio for nonlinear systems. <i>Applied Mathematics and Computation</i> , 2011 , 217, 4548-4556	2.7	23
54	A class of Steffensen type methods with optimal order of convergence. <i>Applied Mathematics and Computation</i> , 2011 , 217, 7653-7659	2.7	40
53	Some results about inverse-positive matrices. <i>Applied Mathematics and Computation</i> , 2011 , 218, 130-139	2.7	2
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