

# Ioannis Konstantinos Argyros

## 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.

183 papers	1,127 citations	15 h-index	29 g-index
193 ext. papers	1,307 ext. citations	1.7 avg, IF	5.34 L-index

#	Paper	IF	Citations
183	On the Semi-Local Convergence of a Fifth-Order Convergent Method for Solving Equations. <i>Foundations</i> , <b>2022</b> , 2, 140-150		
182	On the Semi-Local Convergence of a Traub-Type Method for Solving Equations. <i>Foundations</i> , <b>2022</b> , 2, 114-127		0
181	On the Semi-Local Convergence of a Jarratt-Type Family Schemes for Solving Equations. <i>Foundations</i> , <b>2022</b> , 2, 234-241		
180	On the Local Convergence of a $(p + 1)$ -Step Method of Order $2p + 1$ for Solving Equations. <i>Foundations</i> , <b>2022</b> , 2, 242-250		0
179	A Comparison Study of the Classical and Modern Results of Semi-Local Convergence of Newton-Kantorovich Iterations. <i>Mathematics</i> , <b>2022</b> , 10, 1225	2.3	1
178	An extended radius of convergence comparison between two sixth order methods under general continuity for solving equations. <i>Advances in the Theory of Nonlinear Analysis and Its Applications</i> , <b>2022</b> , 6, 310-317	1	
177	Extending King's Method for Finding Solutions of Equations. <i>Foundations</i> , <b>2022</b> , 2, 348-361		
176	Extending the Local Convergence of a Seventh Convergence Order Method without Derivatives. <i>Foundations</i> , <b>2022</b> , 2, 338-347		
175	The inertial iterative extragradient methods for solving pseudomonotone equilibrium programming in Hilbert spaces. <i>Journal of Inequalities and Applications</i> , <b>2022</b> , 2022,	2.1	1
174	On the complexity of convergence for high order iterative methods. <i>Journal of Complexity</i> , <b>2022</b> , 101678.	1.2	
173	A Comparison Study of the Classical and Modern Results of Semi-Local Convergence of Newton-Kantorovich Iterations-II. <i>Mathematics</i> , <b>2022</b> , 10, 1839	2.3	
172	Convergence Criteria of Three Step Schemes for Solving Equations. <i>Mathematics</i> , <b>2021</b> , 9, 3106	2.3	
171	On the Semi-Local Convergence of an Ostrowski-Type Method for Solving Equations. <i>Symmetry</i> , <b>2021</b> , 13, 2281	2.7	
170	Extended Kung-Traub Methods for Solving Equations with Applications. <i>Mathematics</i> , <b>2021</b> , 9, 2635	2.3	
169	Geometrically Constructed Family of the Simple Fixed Point Iteration Method. <i>Mathematics</i> , <b>2021</b> , 9, 694	2.3	1
168	Local Convergence and Dynamical Analysis of a Third and Fourth Order Class of Equation Solvers. <i>Fractal and Fractional</i> , <b>2021</b> , 5, 27	3	1
167	An efficient class of fourth-order derivative-free method for multiple-roots. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2021</b> ,	1.8	3

166	A Family of Fifth and Sixth Convergence Order Methods for Nonlinear Models. <i>Symmetry</i> , <b>2021</b> , 13, 715	2.7	2
165	An Efficient Mechanism to Solve Fractional Differential Equations Using Fractional Decomposition Method. <i>Symmetry</i> , <b>2021</b> , 13, 984	2.7	0
164	Ball Convergence of a Parametric Efficient Family of Iterative Methods for Solving Nonlinear Equations. <i>Foundations</i> , <b>2021</b> , 1, 23-31		
163	A Class of Novel Mann-Type Subgradient Extragradient Algorithms for Solving Quasimonotone Variational Inequalities. <i>Symmetry</i> , <b>2021</b> , 13, 1108	2.7	
162	Extended High Order Algorithms for Equations under the Same Set of Conditions. <i>Algorithms</i> , <b>2021</b> , 14, 207	1.8	
161	Extended and unified local convergence of k-step solvers for equations with applications. <i>Mathematical Methods in the Applied Sciences</i> , <b>2021</b> , 44, 7747-7755	2.3	1
160	Gauss-Newton-Secant Method for Solving Nonlinear Least Squares Problems under Generalized Lipschitz Conditions. <i>Axioms</i> , <b>2021</b> , 10, 158	1.6	
159	Unified Convergence Criteria for Iterative Banach Space Valued Methods with Applications. <i>Mathematics</i> , <b>2021</b> , 9, 1942	2.3	9
158	Approximation Results for Variational Inequalities Involving Pseudomonotone Bifunction in Real Hilbert Spaces. <i>Symmetry</i> , <b>2021</b> , 13, 182	2.7	2
157	Extending the applicability of Newton's and Secant methods under regular smoothness. <i>Boletim Da Sociedade Paranaense De Matematica</i> , <b>2021</b> , 39, 195-210	0.4	
156	Optimal One-Point Iterative Function Free from Derivatives for Multiple Roots. <i>Mathematics</i> , <b>2020</b> , 8, 709	2.3	11
155	Optimization Based Methods for Solving the Equilibrium Problems with Applications in Variational Inequality Problems and Solution of Nash Equilibrium Models. <i>Mathematics</i> , <b>2020</b> , 8, 822	2.3	13
154	New Improvement of the Domain of Parameters for Newton's Method. <i>Mathematics</i> , <b>2020</b> , 8, 103	2.3	3
153	On the local convergence of Weerakoon-Bernardo method with (omega ) continuity condition in Banach spaces. <i>SeMA Journal</i> , <b>2020</b> , 77, 291-304	1.2	10
152	Improving Convergence Analysis of the Newton-Burchatov Method under Weak Conditions. <i>Computation</i> , <b>2020</b> , 8, 8	2.2	
151	Local Comparison between Two Ninth Convergence Order Algorithms for Equations. <i>Algorithms</i> , <b>2020</b> , 13, 147	1.8	
150	Method of Third-Order Convergence with Approximation of Inverse Operator for Large Scale Systems. <i>Symmetry</i> , <b>2020</b> , 12, 978	2.7	1
149	Direct Comparison between Two Third Convergence Order Schemes for Solving Equations. <i>Symmetry</i> , <b>2020</b> , 12, 1080	2.7	1

- 148 Extended Two-Step-Kurchatov Method for Solving Banach Space Valued Nondifferentiable Equations. *International Journal of Applied and Computational Mathematics*, **2020**, 6, 1 1.3 2
- 147 Local Convergence of an Efficient Multipoint Iterative Method in Banach Space. *Algorithms*, **2020**, 13, 25 1.8
- 146 A Self-Adaptive Extra-Gradient Methods for a Family of Pseudomonotone Equilibrium Programming with Application in Different Classes of Variational Inequality Problems. *Symmetry*, **2020**, 12, 523 2.7 13
- 145 Inertial Extra-Gradient Method for Solving a Family of Strongly Pseudomonotone Equilibrium Problems in Real Hilbert Spaces with Application in Variational Inequality Problem. *Symmetry*, **2020**, 12, 503 2.7 23
- 144 Ball Convergence for a Multi-Step Harmonic Mean Newton-Like Method in Banach Space. *International Journal of Computational Methods*, **2020**, 17, 1940018 1.1 1
- 143 Ball convergence for combined three-step methods under generalized conditions in Banach space. *Studia Universitatis Babes-Bolyai Mathematica*, **2020**, 65, 127-137 1 2
- 142 Extending the Applicability of Stirling's Method. *Mathematics*, **2020**, 8, 35 2.3 2
- 141 An Optimal Reconstruction of Chebyshev-Halley-Type Methods with Local Convergence Analysis. *International Journal of Computational Methods*, **2020**, 17, 1940017 1.1
- 140 Extending the Applicability of a Seventh Order Method Without Inverses of Derivatives Under Weak Conditions. *International Journal of Applied and Computational Mathematics*, **2020**, 6, 1 1.3 2
- 139 Extending the choice of starting points for Newton's method. *Mathematical Methods in the Applied Sciences*, **2020**, 43, 8042-8050 2.3 1
- 138 Extending the Convergence Domain of Methods of Linear Interpolation for the Solution of Nonlinear Equations. *Symmetry*, **2020**, 12, 1093 2.7 1
- 137 Study of Local Convergence and Dynamics of a King-Like Two-Step Method with Applications. *Mathematics*, **2020**, 8, 1062 2.3
- 136 An Accelerated Extragradient Method for Solving Pseudomonotone Equilibrium Problems with Applications. *Axioms*, **2020**, 9, 99 1.6 6
- 135 Extending the Applicability of Newton's Algorithm with Projections for Solving Generalized Equations. *Applied System Innovation*, **2020**, 3, 30 2.4
- 134 On the Solution of Equations by Extended Discretization. *Computation*, **2020**, 8, 69 2.2
- 133 A multistep Steffensen-type method for solving nonlinear systems of equations. *Mathematical Methods in the Applied Sciences*, **2020**, 43, 7518-7536 2.3 1
- 132 On the complexity of extending the convergence region for Traub's method. *Journal of Complexity*, **2020**, 56, 101423 1.2 20
- 131 Ball convergence for a family of eight-order iterative schemes under hypotheses only of the first-order derivative. *International Journal of Computer Mathematics*, **2020**, 97, 444-454 1.2

130	Unified Local Convergence for Newton's Method and Uniqueness of the Solution of Equations under Generalized Conditions in a Banach Space. <i>Mathematics</i> , <b>2019</b> , 7, 463	2.3	2
129	Two-Step Solver for Equations with Nondifferentiable Term. <i>International Journal of Applied and Computational Mathematics</i> , <b>2019</b> , 5, 1	1.3	1
128	Study of a High Order Family: Local Convergence and Dynamics. <i>Mathematics</i> , <b>2019</b> , 7, 225	2.3	4
127	Advances in the Semilocal Convergence of Newton's Method with Real-World Applications. <i>Mathematics</i> , <b>2019</b> , 7, 299	2.3	3
126	Derivative Free Fourth Order Solvers of Equations with Applications in Applied Disciplines. <i>Symmetry</i> , <b>2019</b> , 11, 586	2.7	0
125	Local Convergence of a Family of Weighted-Newton Methods. <i>Symmetry</i> , <b>2019</b> , 11, 103	2.7	1
124	Ball Comparison for Some Efficient Fourth Order Iterative Methods Under Weak Conditions. <i>Mathematics</i> , <b>2019</b> , 7, 89	2.3	
123	Convergence Ball and Complex Geometry of an Iteration Function of Higher Order. <i>Mathematics</i> , <b>2019</b> , 7, 28	2.3	3
122	On a Bi-Parametric Family of Fourth Order Composite Newton-Jarratt Methods for Nonlinear Systems. <i>Mathematics</i> , <b>2019</b> , 7, 492	2.3	2
121	Two-Step Solver for Nonlinear Equations. <i>Symmetry</i> , <b>2019</b> , 11, 128	2.7	5
120	Different methods for solving STEM problems. <i>Journal of Mathematical Chemistry</i> , <b>2019</b> , 57, 1268-1281	2.1	1
119	On a Two-Step Kurchatov-Type Method in Banach Space. <i>Mediterranean Journal of Mathematics</i> , <b>2019</b> , 16, 1	0.9	3
118	Extended Newton-type iteration for nonlinear ill-posed equations in Banach space. <i>Journal of Applied Mathematics and Computing</i> , <b>2019</b> , 60, 435-453	1.8	0
117	Newton-like methods with increasing order of convergence and their convergence analysis in Banach space. <i>SeMA Journal</i> , <b>2018</b> , 75, 545-561	1.2	1
116	Local convergence of Newton-HSS methods with positive definite Jacobian matrices under generalized conditions. <i>SeMA Journal</i> , <b>2018</b> , 75, 95-109	1.2	1
115	Design and Analysis of a New Class of Derivative-Free Optimal Order Methods for Nonlinear Equations. <i>International Journal of Computational Methods</i> , <b>2018</b> , 15, 1850010	1.1	3
114	Local convergence for an almost sixth order method for solving equations under weak conditions. <i>SeMA Journal</i> , <b>2018</b> , 75, 163-171	1.2	9
113	Generalized iterative procedures and their applications to Banach space valued functions in abstract fractional calculus. <i>SeMA Journal</i> , <b>2018</b> , 75, 215-227	1.2	

112	A Krasnosel'skii-Zincenko-type method in $(K!)$ -normed spaces for solving equations. <i>Computational and Applied Mathematics</i> , <b>2018</b> , 37, 2399-2412		
111	Local convergence of a Newton-Traub composition in Banach spaces. <i>SeMA Journal</i> , <b>2018</b> , 75, 57-68	1.2	8
110	Secant-like methods for solving nonlinear models with applications to chemistry. <i>Journal of Mathematical Chemistry</i> , <b>2018</b> , 56, 1935-1957	2.1	1
109	Improved semilocal convergence analysis in Banach space with applications to chemistry. <i>Journal of Mathematical Chemistry</i> , <b>2018</b> , 56, 1958-1975	2.1	1
108	Ball Convergence of an Efficient Eighth Order Iterative Method Under Weak Conditions. <i>Mathematics</i> , <b>2018</b> , 6, 260	2.3	4
107	Extending the Usage of Newton's Method with Applications to the Solution of Bratu's Equation. <i>Mathematics</i> , <b>2018</b> , 6, 274	2.3	
106	Unified Semi-Local Convergence for $k$ -Step Iterative Methods with Flexible and Frozen Linear Operator. <i>Mathematics</i> , <b>2018</b> , 6, 233	2.3	1
105	Multistep modified Newton-Hermitian and Skew-Hermitian Splitting method <b>2018</b> , 89-103		
104	Third-degree anomalies of Traub's method. <i>Journal of Computational and Applied Mathematics</i> , <b>2017</b> , 309, 511-521	2.4	6
103	Local convergence and the dynamics of a two-point four parameter Jarratt-like method under weak conditions. <i>Numerical Algorithms</i> , <b>2017</b> , 74, 371-391	2.1	16
102	Ball Convergence for a Family of Quadrature-Based Methods for Solving Equations in Banach Space. <i>International Journal of Computational Methods</i> , <b>2017</b> , 14, 1750017	1.1	3
101	A New Semi-local Convergence Analysis of the Secant Method. <i>International Journal of Applied and Computational Mathematics</i> , <b>2017</b> , 3, 225-232	1.3	1
100	LOCAL CONVERGENCE OF JARRATT-TYPE METHODS WITH LESS COMPUTATION OF INVERSION UNDER WEAK CONDITIONS. <i>Mathematical Modelling and Analysis</i> , <b>2017</b> , 22, 228-236	1.3	1
99	New improved convergence analysis for Newton-like methods with applications. <i>Journal of Mathematical Chemistry</i> , <b>2017</b> , 55, 1505-1520	2.1	5
98	Expanding the Applicability of Four Iterative Methods for Solving Least Squares Problems. <i>Annals of the West University of Timisoara: Mathematics and Computer Science</i> , <b>2017</b> , 55, 33-49	0	
97	Improved Chebyshev-Halley family of methods with seventh and eighth order of convergence for simple roots. <i>SeMA Journal</i> , <b>2017</b> , 74, 643-665	1.2	
96	Ball convergence of the Newton-Causs method in Banach space. <i>SeMA Journal</i> , <b>2017</b> , 74, 429-439	1.2	9
95	Extending the Applicability of the MMN-HSS Method for Solving Systems of Nonlinear Equations under Generalized Conditions. <i>Algorithms</i> , <b>2017</b> , 10, 54	1.8	1

94	Expanding the Applicability of Some High Order Householder-Like Methods. <i>Algorithms</i> , <b>2017</b> , 10, 64	1.8	
93	Improved convergence analysis for Newton-like methods. <i>Numerical Algorithms</i> , <b>2016</b> , 71, 811-826	2.1	7
92	A study on the local convergence and the dynamics of Chebyshev-Halley-type methods free from second derivative. <i>Numerical Algorithms</i> , <b>2016</b> , 71, 1-23	2.1	51
91	Local Convergence and the Dynamics of a Two-Step Newton-Like Method. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2016</b> , 26, 1630012	2	6
90	Local convergence and a chemical application of derivative free root finding methods with one parameter based on interpolation. <i>Journal of Mathematical Chemistry</i> , <b>2016</b> , 54, 1404-1416	2.1	15
89	Extending the convergence domain of Newton's method for twice Fréchet differentiable operators. <i>Analysis and Applications</i> , <b>2016</b> , 14, 303-319	2.5	
88	LOCAL CONVERGENCE FOR SOME THIRD-ORDER ITERATIVE METHODS UNDER WEAK CONDITIONS. <i>Journal of the Korean Mathematical Society</i> , <b>2016</b> , 53, 781-793		23
87	Local Convergence Analysis of an Eighth Order Scheme Using Hypothesis Only on the First Derivative. <i>Algorithms</i> , <b>2016</b> , 9, 65	1.8	1
86	Extended convergence results for the Newton-Kantorovich iteration. <i>Journal of Computational and Applied Mathematics</i> , <b>2015</b> , 286, 54-67	2.4	7
85	On the convergence of an optimal fourth-order family of methods and its dynamics. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 252, 336-346	2.7	70
84	Ball convergence theorems and the convergence planes of an iterative method for nonlinear equations. <i>SeMA Journal</i> , <b>2015</b> , 71, 39-55	1.2	12
83	Iterative regularization methods for nonlinear ill-posed operator equations with m-accretive mappings in banach spaces. <i>Acta Mathematica Scientia</i> , <b>2015</b> , 35, 1318-1324	0.7	5
82	An extension of a theorem by Wang for Smale's theory and applications. <i>Numerical Algorithms</i> , <b>2015</b> , 68, 47-60	2.1	2
81	Convergence for iterative methods on Banach spaces of a convergence structure with applications to fractional calculus. <i>SeMA Journal</i> , <b>2015</b> , 71, 23-37	1.2	1
80	Local Convergence of an Optimal Eighth Order Method under Weak Conditions. <i>Algorithms</i> , <b>2015</b> , 8, 645-655	1.8	4
79	Newton-Type Methods on Generalized Banach Spaces and Applications in Fractional Calculus. <i>Algorithms</i> , <b>2015</b> , 8, 832-849	1.8	1
78	Local Convergence of an Efficient High Convergence Order Method Using Hypothesis Only on the First Derivative. <i>Algorithms</i> , <b>2015</b> , 8, 1076-1087	1.8	2
77	Local convergence for multi-point-parametric Chebyshev-Halley-type methods of high convergence order. <i>Journal of Computational and Applied Mathematics</i> , <b>2015</b> , 282, 215-224	2.4	38



76	On the convergence of King-Werner-type methods of order $\alpha$ . <i>Applied Mathematics and Computation</i> , <b>2015</b> , 256, 148-159	2.7	10
75	Expanding the applicability of the Gauss-Newton method for convex optimization under a majorant condition. <i>SeMA Journal</i> , <b>2014</b> , 65, 37-56	1.2	1
74	Expanding the applicability of Newton's method using Smale's theory. <i>Journal of Computational and Applied Mathematics</i> , <b>2014</b> , 261, 183-200	2.4	9
73	Two-step Newton methods. <i>Journal of Complexity</i> , <b>2014</b> , 30, 533-553	1.2	8
72	Semilocal Convergence of Steffensen-Type Algorithms for Solving Nonlinear Equations. <i>Numerical Functional Analysis and Optimization</i> , <b>2014</b> , 35, 1476-1499	1	1
71	Iterative Methods for Nonlinear Equations or Systems and Their Applications 2014. <i>Journal of Applied Mathematics</i> , <b>2014</b> , 2014, 1-2	1.1	2
70	General convergence conditions of Newton's method for $m$ -Fréchet differentiable operators. <i>Journal of Applied Mathematics and Computing</i> , <b>2013</b> , 43, 491-506	1.8	3
69	On an improved convergence analysis of Newton's method. <i>Applied Mathematics and Computation</i> , <b>2013</b> , 225, 372-386	2.7	22
68	Extending the applicability of Newton's method using nondiscrete induction. <i>Czechoslovak Mathematical Journal</i> , <b>2013</b> , 63, 115-141		
67	Iterative Methods for Nonlinear Equations or Systems and Their Applications. <i>Journal of Applied Mathematics</i> , <b>2013</b> , 2013, 1-2	1.1	6
66	Weaker conditions for the convergence of Newton's method. <i>Journal of Complexity</i> , <b>2012</b> , 28, 364-387	1.2	157
65	On the convergence of inexact two-step Newton-like algorithms using recurrent functions. <i>Journal of Applied Mathematics and Computing</i> , <b>2012</b> , 38, 41-61	1.8	1
64	An improved convergence analysis of a one-step intermediate Newton iterative scheme for nonlinear equations. <i>Journal of Applied Mathematics and Computing</i> , <b>2012</b> , 38, 243-256	1.8	
63	Secant-type methods and nondiscrete induction. <i>Numerical Algorithms</i> , <b>2012</b> , 61, 397-412	2.1	
62	Improved local analysis for a certain class of iterative methods with cubic convergence. <i>Numerical Algorithms</i> , <b>2012</b> , 59, 505-521	2.1	16
61	On the solution of systems of equations with constant rank derivatives. <i>Numerical Algorithms</i> , <b>2011</b> , 57, 235-253	2.1	10
60	Extending the applicability of the Gauss-Newton method under average Lipschitz-type conditions. <i>Numerical Algorithms</i> , <b>2011</b> , 58, 23-52	2.1	22
59	A derivative free iterative method for solving least squares problems. <i>Numerical Algorithms</i> , <b>2011</b> , 58, 555-571	2.1	4



58	On the Gauss-Newton method. <i>Journal of Applied Mathematics and Computing</i> , <b>2011</b> , 35, 537-550	1.8	5
57	On the semilocal convergence of the Halley method using recurrent functions. <i>Journal of Applied Mathematics and Computing</i> , <b>2011</b> , 37, 221-246	1.8	9
56	Newton-Kantorovich approximations under weak continuity conditions. <i>Journal of Applied Mathematics and Computing</i> , <b>2011</b> , 37, 361-375	1.8	10
55	A Convergence Analysis of Newton-Like Method for Singular Equations Using Recurrent Functions. <i>Numerical Functional Analysis and Optimization</i> , <b>2010</b> , 31, 112-130	1	4
54	On the convergence of Newton-type methods using recurrent functions. <i>International Journal of Computer Mathematics</i> , <b>2010</b> , 87, 3273-3296	1.2	2
53	On the Convergence of Broyden-Like Methods Using Recurrent Functions. <i>Numerical Functional Analysis and Optimization</i> , <b>2010</b> , 32, 26-40	1	
52	On Newton-like methods of bounded deterioration using recurrent functions. <i>Aequationes Mathematicae</i> , <b>2010</b> , 79, 61-82	0.7	1
51	A unified approach for the convergence of certain numerical algorithms, using recurrent functions. <i>Computing (Vienna/New York)</i> , <b>2010</b> , 90, 131-164	2.2	1
50	An improved local convergence analysis for Newton-Steffensen-type method. <i>Journal of Applied Mathematics and Computing</i> , <b>2010</b> , 32, 111-118	1.8	1
49	A Kantorovich-type analysis of Broyden's method using recurrent functions. <i>Journal of Applied Mathematics and Computing</i> , <b>2010</b> , 32, 353-368	1.8	2
48	Convergence conditions for secant-type methods. <i>Czechoslovak Mathematical Journal</i> , <b>2010</b> , 60, 253-272		8
47	A Kantorovich-type convergence analysis of the Newton-Josephy method for solving variational inequalities. <i>Numerical Algorithms</i> , <b>2010</b> , 55, 447-466	2.1	2
46	A convergence analysis for directional two-step Newton methods. <i>Numerical Algorithms</i> , <b>2010</b> , 55, 503-528		13
45	Inexact Newton-type methods. <i>Journal of Complexity</i> , <b>2010</b> , 26, 577-590	1.2	5
44	On Ulm's method using divided differences of order one. <i>Numerical Algorithms</i> , <b>2009</b> , 52, 295-320	2.1	4
43	On the convergence of Newton-type methods under mild differentiability conditions. <i>Numerical Algorithms</i> , <b>2009</b> , 52, 701-726	2.1	7
42	Newton's method for approximating zeros of vector fields on Riemannian manifolds. <i>Journal of Applied Mathematics and Computing</i> , <b>2009</b> , 29, 417-427	1.8	16
41	An improved local convergence analysis for a two-step Steffensen-type method. <i>Journal of Applied Mathematics and Computing</i> , <b>2009</b> , 30, 237-245	1.8	2

40	On Ulm's method for Fréchet differentiable operators. <i>Journal of Applied Mathematics and Computing</i> , <b>2009</b> , 31, 97-111	1.8	3
39	Newton's method on Lie groups. <i>Journal of Applied Mathematics and Computing</i> , <b>2009</b> , 31, 217-228	1.8	4
38	A generalized Kantorovich theorem on the solvability of nonlinear equations. <i>Aequationes Mathematicae</i> , <b>2009</b> , 77, 99-105	0.7	3
37	A Fréchet derivative-free cubically convergent method for set-valued maps. <i>Numerical Algorithms</i> , <b>2008</b> , 48, 361-371	2.1	0
36	An inverse-free Newton-Jarratt-type iterative method for solving equations under the gamma condition. <i>Journal of Applied Mathematics and Computing</i> , <b>2008</b> , 28, 15-28	1.8	2
35	Weak sufficient convergence conditions and applications for newton methods. <i>Journal of Applied Mathematics and Computing</i> , <b>2004</b> , 16, 1-17	1.8	7
34	On the Newton-Kantorovich hypothesis for solving equations. <i>Journal of Computational and Applied Mathematics</i> , <b>2004</b> , 169, 315-332	2.4	104
33	On the convergence and application of Newton-like methods for analytic operators. <i>Journal of Applied Mathematics and Computing</i> , <b>2002</b> , 10, 41-50	1.8	2
32	On the Convergence of Newton-Like Methods Based on M-Fréchet Differentiable Operators and Applications in Radiative Transfer. <i>Journal of Computational Analysis and Applications</i> , <b>2002</b> , 4, 141-154		0
31	Local convergence theorems for Newton methods. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2001</b> , 8, 253-268		
30	An error analysis for a certain class of iterative methods. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2001</b> , 8, 519-529		
29	On the radius of convergence of newton's method. <i>International Journal of Computer Mathematics</i> , <b>2001</b> , 77, 389-400	1.2	4
28	Local convergence theorems of Newton's method for nonlinear equations using outer or generalized inverses. <i>Czechoslovak Mathematical Journal</i> , <b>2000</b> , 50, 603-614		1
27	Semilocal convergence theorems for a certain class of iterative procedures. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2000</b> , 7, 29-40		0
26	A mesh independence principle for perturbed Newton-like methods and their discretizations. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2000</b> , 7, 139-159		0
25	Concerning the monotone convergence of the method of tangent hyperbolas. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2000</b> , 7, 407		
24	The effect of rounding errors on Newton methods. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2000</b> , 7, 533-540		
23	TWO CONTEMPORARY COMPUTATIONAL ASPECTS OF NUMERICAL ANALYSIS <b>2000</b> , 9-44		

22	Convergence Domains for Some Iterative Processes in Banach Spaces Using Outer or Generalized Inverses. <i>Journal of Computational Analysis and Applications</i> , <b>1999</b> , 1, 87-104		6
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