Francisco I Chicharro

List of Publications by Year
in descending order

30 papers	**407** citations	**9** h-index

1040018

794568

19 g-index	

33 all docs	**33** docs citations	**33** times ranked	**154** citing authors

#	Article	IF	Citations
1	Drawing Dynamical and Parameters Planes of Iterative Families and Methods. Scientific World Journal, The, 2013, 2013, 1-11.	2.1	135
2	Complex dynamics of derivative-free methods for nonlinear equations. Applied Mathematics and Computation, 2013, 219, 7023-7035.	2.2	90
3	Stability and applicability of iterative methods with memory. Journal of Mathematical Chemistry, 2019, 57, 1282-1300.	1.5	17
4	Local convergence and dynamical analysis of a new family of optimal fourth-order iterative methods. International Journal of Computer Mathematics, 2013, 90, 2049-2060.	1.8	16
5	Dynamics of iterative families with memory based on weight functions procedure. Journal of Computational and Applied Mathematics, 2019, 354, 286-298.	2.0	15
6	Wide stability in a new family of optimal fourth-order iterative methods. Computational and Mathematical Methods, 2019, 1, e1023.	0.8	14
7	On the choice of the best members of the Kim family and the improvement of its convergence. Mathematical Methods in the Applied Sciences, 2020, 43, 8051-8066.	2.3	14
8	Dynamics and Fractal Dimension of Steffensen-Type Methods. Algorithms, 2015, 8, 271-279.	2.1	12
9	Generating Root-Finder Iterative Methods of Second Order: Convergence and Stability. Axioms, 2019, 8, 55.	1.9	12
10	On the improvement of the order of convergence of iterative methods for solving nonlinear systems by means of memory. Applied Mathematics Letters, 2020, 104, 106277.	2.7	12
11	King-Type Derivative-Free Iterative Families: Real and Memory Dynamics. Complexity, 2017, 2017, 1-15.	1.6	10
12	On the evaluation of an optical OFDM radio over FSO system with IM-DD for high-speed indoor communications. , 2017, , .		9
13	Impact on Stability by the Use of Memory in Traub-Type Schemes. Mathematics, 2020, 8, 274.	2.2	7
14	Design and Complex Dynamics of Potra–Pták-Type Optimal Methods for Solving Nonlinear Equations and Its Applications. Mathematics, 2019, 7, 942.	2.2	6
15	A Family of Multiple-Root Finding Iterative Methods Based on Weight Functions. Mathematics, 2020, 8, 2194.	2.2	6
16	OOFDM Signal Transmission Using a Single Optical Broadband Source. IEEE Photonics Technology Letters, 2017, 29, 563-566.	2.5	5
17	The Enhancement of Academic Performance in Online Environments. Mathematics, 2019, 7, 1219.	2.2	5
18	On the effect of the multidimensional weight functions on the stability of iterative processes. Journal of Computational and Applied Mathematics, 2022, 405, 113052.	2.0	5

#	Article	IF	Citations
19	Bidirectional WDM-OOFDM access network based on a sliceable optical transceiver with colorless ONUs. Optical Fiber Technology, 2018, 45, 98-105.	2.7	3
20	Generalized High-Order Classes for Solving Nonlinear Systems and Their Applications. Mathematics, 2019, 7, 1194.	2.2	3
21	CMMSE-2019 mean-based iterative methods for solving nonlinear chemistry problems. Journal of Mathematical Chemistry, 2020, 58, 555-572.	1.5	3
22	Reconfigurable optical OFDM signal transmitter based on sliced ASE source for DD MB-OFDM next generation WDM access networks. , 2017, , .		2
23	Optimal Fourth-Order Weerakoonâ€"Fernando-Type Methods for Multiple Roots and Their Dynamics. Mediterranean Journal of Mathematics, 2019, 16, 1.	0.8	2
24	Derivative-free high-order methods applied to preliminary orbit determination. Mathematical and Computer Modelling, 2013, 57, 1795-1799.	2.0	1
25	Broadband Optical Sources for Low-Cost WDM-MB-OFDM Networks. IEEE Communications Letters, 2017, 21, 1759-1762.	4.1	1
26	On the design and analysis of highâ€order Weerakoonâ€Fernando methods based on weight functions. Computational and Mathematical Methods, 2020, 2, e1114.	0.8	1
27	Paired SSB optical OFDM channels for high spectral efficient signal transmission over DWDM networks. Optics Communications, 2016, 370, 239-244.	2.1	0
28	Stability of different families of iterative methods with memory. AIP Conference Proceedings, 2018, , .	0.4	0
29	High-order extension of an efficient iterative method for solving nonlinear problems. AIP Conference Proceedings, 2018, , .	0.4	0
30	Anomalies in the convergence of Traubâ€type methods with memory. Computational and Mathematical Methods, 2020, 2, e1060.	0.8	0