

Teresa Diogo

List of Publications by Year in descending order

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26
papers

511
citations

687363

13
h-index

677142

22
g-index

32
all docs

32
docs citations

32
times ranked

185
citing authors

#	ARTICLE	IF	CITATIONS
1	An Euler-type method for two-dimensional Volterra integral equations of the first kind. IMA Journal of Numerical Analysis, 2000, 20, 423-440.	2.9	58
2	Collocation methods for second-kind Volterra integral equations with weakly singular kernels. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1994, 124, 199-210.	1.2	54
3	A Hermite-Type Collocation Method for the Solution of an Integral Equation with a Certain Weakly Singular Kernel. IMA Journal of Numerical Analysis, 1991, 11, 595-605.	2.9	50
4	Superconvergence of collocation methods for a class of weakly singular Volterra integral equations. Journal of Computational and Applied Mathematics, 2008, 218, 307-316.	2.0	49
5	An extrapolation method for a Volterra integral equation with weakly singular kernel. Applied Numerical Mathematics, 1997, 24, 131-148.	2.1	38
6	Collocation and iterated collocation methods for a class of weakly singular Volterra integral equations. Journal of Computational and Applied Mathematics, 2009, 229, 363-372.	2.0	36
7	Numerical solution of a nonuniquely solvable Volterra integral equation using extrapolation methods. Journal of Computational and Applied Mathematics, 2002, 140, 537-557.	2.0	33
8	A hybrid collocation method for a nonlinear Volterra integral equation with weakly singular kernel. Journal of Computational and Applied Mathematics, 2010, 234, 2859-2869.	2.0	33
9	Smoothing transformation and spline collocation for weakly singular Volterra integro-differential equations. Applied Numerical Mathematics, 2017, 114, 63-76.	2.1	20
10	Product integration methods for an integral equation with logarithmic singular kernel. Applied Numerical Mathematics, 1992, 9, 259-266.	2.1	19
11	Numerical methods for a Volterra integral equation with non-smooth solutions. Journal of Computational and Applied Mathematics, 2006, 189, 412-423.	2.0	19
12	The Jacobi Collocation Method for a Class of Nonlinear Volterra Integral Equations with Weakly Singular Kernel. Journal of Scientific Computing, 2016, 69, 673-695.	2.3	19
13	Numerical solution of a nonlinear Abel type Volterra integral equation. Communications on Pure and Applied Analysis, 2006, 5, 277-288.	0.8	15
14	Analytical and computational methods for a class of nonlinear singular integral equations. Applied Numerical Mathematics, 2017, 114, 2-17.	2.1	13
15	APPLICABILITY OF SPLINE COLLOCATION TO CORDIAL VOLTERRA EQUATIONS. Mathematical Modelling and Analysis, 2013, 18, 1-21.	1.5	12
16	Fully discretized collocation methods for nonlinear singular Volterra integral equations. Journal of Computational and Applied Mathematics, 2013, 247, 84-101.	2.0	12
17	Numerical analysis of a singular integral equation. Applied Mathematics and Computation, 2005, 167, 372-382.	2.2	9
18	Collocation Solutions of a Weakly Singular Volterra Integral Equation. TeMa, 2007, 8, .	0.1	6

#	ARTICLE	IF	CITATIONS
19	The Coifletâ€™Galerkin method for linear Volterra integral equations. Applied Mathematics and Computation, 2013, 221, 469-483.	2.2	5
20	A Mathematical Treatment of the Fluorescence Capillary-Fill Device. SIAM Journal on Applied Mathematics, 2012, 72, 1081-1112.	1.8	3
21	Extrapolation Methods for a Nonlinear Weakly Singular Volterra Integral Equation. , 2010, , .		2
22	Numerical methods for nonlinear singular Volterra integral equations. , 2012, , .		2
23	Collocation methods for cordial Volterra integro-differential equations. Journal of Computational and Applied Mathematics, 2021, 393, 113321.	2.0	2
24	Numerical modelling of qualitative behaviour of solutions to convolution integral equations. Journal of Computational and Applied Mathematics, 2007, 205, 849-858.	2.0	1
25	Symposium on Numerical Approximation and Extrapolation Methods for Ordinary Differential and Volterra Integral Equations. , 2010, , .		0
26	Modelling a Competitive Antibody/Antigen Chemical Reaction that Occurs in the Fluorescence Capillary-Fill Device. Mathematics in Industry, 2014, , 229-236.	0.3	0