

Catterina Dagnino

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Local Quartic C^2 Spline Quasi-interpolation on 3D Bounded Domains. International Journal of Mathematics and Computers in Simulation, 2022, 16, 37-41.	0.2	0
2	C1-Quartic Butterfly-Spline Interpolation on Type-1 Triangulations. Springer Proceedings in Mathematics and Statistics, 2021, , 11-26.	0.1	0
3	A trivariate near-best blending quadratic quasi-interpolant. Mathematics and Computers in Simulation, 2020, 176, 25-35.	2.4	3
4	Quasi-interpolation by C^1 quartic splines on type-1 triangulations. Journal of Computational and Applied Mathematics, 2019, 349, 225-238.	1.1	9
5	Spline quasi-interpolating projectors for the solution of nonlinear integral equations. Journal of Computational and Applied Mathematics, 2019, 354, 360-372.	1.1	10
6	Point and differential C^1 quasi-interpolation on three direction meshes. Journal of Computational and Applied Mathematics, 2019, 354, 373-389.	1.1	7
7	Trivariate near-best blending spline quasi-interpolation operators. Numerical Algorithms, 2018, 78, 217-241.	1.1	5
8	Quasi-interpolation based on the ZP-element for the numerical solution of integral equations on surfaces in \mathbb{R}^3 . BIT Numerical Mathematics, 2017, 57, 329-350.	1.0	5
9	On the approximation power of generalized T-splines. Journal of Computational and Applied Mathematics, 2017, 311, 423-438.	1.1	0
10	Near-best C^2 quartic spline quasi-interpolants on type-6 tetrahedral partitions of bounded domains. Calcolo, 2015, 52, 475-494.	0.6	9
11	Curve network interpolation by C^1 quadratic B-spline surfaces. Computer Aided Geometric Design, 2015, 40, 26-39.	0.5	5
12	On the solution of Fredholm integral equations based on spline quasi-interpolating projectors. BIT Numerical Mathematics, 2014, 54, 979-1008.	1.0	21
13	Numerical integration based on trivariate C^2 quartic spline quasi-interpolants. BIT Numerical Mathematics, 2013, 53, 873-896.	1.0	5
14	Error bounds on the approximation of functions and partial derivatives by quadratic spline quasi-interpolants on non-uniform criss-cross triangulations of a rectangular domain. BIT Numerical Mathematics, 2013, 53, 87-109.	1.0	13
15	B-spline bases for unequally smooth quadratic spline spaces on non-uniform criss-cross triangulations. Numerical Algorithms, 2012, 61, 209-222.	1.1	8
16	Finite-part integrals over polygons by an 8-node quadrilateral spline finite element. BIT Numerical Mathematics, 2010, 50, 377-394.	1.0	1
17	An adaptive numerical integration algorithm for polygons. Applied Numerical Mathematics, 2010, 60, 165-175.	1.2	4
18	Differentiation Based on Optimal Local Spline Quasi-Interpolants with Applications. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
19	Numerical integration over polygons using an eight-node quadrilateral spline finite element. Journal of Computational and Applied Mathematics, 2009, 233, 279-292.	1.1	16
20	On the construction of local quadratic spline quasi-interpolants on bounded rectangular domains. Journal of Computational and Applied Mathematics, 2008, 221, 367-375.	1.1	15
21	Spline Quasi-Interpolants with Boundary Interpolation Properties for Cauchy Principal Value Integrals. , 2008, , .		1
22	Quasi-Interpolation based on bivariate quadratic B-splines with multiple knots. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2020003-2020004.	0.2	1
23	Some performances of local bivariate quadratic C1 quasi-interpolating splines on nonuniform type-2 triangulations. Journal of Computational and Applied Mathematics, 2005, 173, 21-37.	1.1	11
24	Computational Aspects Of Numerical Integration Based On Optimal Nodal Splines. International Journal of Computer Mathematics, 2003, 80, 243-255.	1.0	0
25	Nodal Spline Integration Rules for Certain 2-D Cauchy Principal Value Integrals. International Journal of Computer Mathematics, 2002, 79, 233-246.	1.0	1
26	On the approximation power of bivariate quadratic C1 splines. Journal of Computational and Applied Mathematics, 2001, 131, 321-332.	1.1	10
27	AN INTEGRAL EQUATION AND ITS NUMERICAL TREATMENT FOR THE COMPUTATION OF THE MAGNETIC FIELD IN PRESENCE OF SUPERCONDUCTING SHIELDS. Series on Advances in Mathematics for Applied Sciences, 2000, , 66-75.	0.0	0
28	Numerical integration of 2D integrals based on local bivariate C1 quasi-interpolating splines. Advances in Computational Mathematics, 1998, 8, 19-31.	0.8	22
29	Bivariate quasi-interpolating splines with applications in numerical integration. Milan Journal of Mathematics, 1998, 68, 231-241.	0.1	3
30	Convergence of rules based on nodal splines for the numerical evaluation of certain 2D Cauchy principal value integrals. Journal of Computational and Applied Mathematics, 1998, 89, 225-235.	1.1	8
31	Product integration of singular integrands using quasi-interpolatory splines. Computers and Mathematics With Applications, 1997, 33, 59-67.	1.4	18
32	Numerical evaluation of Cauchy principal value integrals based on local spline approximation operators. Journal of Computational and Applied Mathematics, 1996, 76, 231-238.	1.1	12
33	An algorithm for numerical integration based on quasi-interpolating splines. Numerical Algorithms, 1993, 5, 443-452.	1.1	21
34	Numerical integration based on quasi-interpolating splines. Computing (Vienna/New York), 1993, 50, 149-163.	3.2	39
35	On the convergence of spline product quadratures for Cauchy principal value integrals. Journal of Computational and Applied Mathematics, 1991, 36, 181-187.	1.1	21
36	On the evaluation of one-dimensional Cauchy principal value integrals by rules based on cubic spline interpolation. Computing (Vienna/New York), 1990, 43, 267-276.	3.2	16

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37	Product integration of singular integrands based on cubic spline interpolation at equally spaced nodes. <i>Numerische Mathematik</i> , 1990, 57, 97-104.	0.9	11
38	Spline product quadrature rules for cauchy singular integrals. <i>Journal of Computational and Applied Mathematics</i> , 1990, 33, 133-140.	1.1	25
39	Product integration of piecewise continuous integrands based on cubic spline interpolation at equally spaced nodes. <i>Numerische Mathematik</i> , 1988, 52, 459-466.	0.9	14
40	Extensions of Some Results for Interpolatory Product Integration Rules to Rules not Necessarily of Interpolatory Type. <i>SIAM Journal on Numerical Analysis</i> , 1986, 23, 1284-1289.	1.1	4
41	On the evaluation of certain two-dimensional singular integrals with Cauchy kernels. <i>Numerische Mathematik</i> , 1985, 46, 121-130.	0.9	11
42	Computation of nodes and weights of extended Gaussian rules. <i>Computing (Vienna/New York)</i> , 1984, 32, 271-278.	3.2	3
43	Extended product integration rules. <i>BIT Numerical Mathematics</i> , 1983, 23, 487-499.	1.0	6
44	An algorithm for one-and two-dimensional quadrature rules. <i>Calcolo</i> , 1977, 14, 399-408.	0.6	0
45	Error bounds for direct and composite cubature formulae-II. <i>Calcolo</i> , 1976, 13, 63-77.	0.6	1
46	Error bounds for direct and composite cubature formulae-I. <i>Calcolo</i> , 1975, 12, 373-390.	0.6	1
47	Problemi al contorno per equazioni del tipo $\Delta^3 u = f(x, y)$ trattati come equazioni integrali con metodi alle differenze finite di elevata accuratezza. <i>Calcolo</i> , 1973, 9, 279-292.	0.6	0
48	Improved studies on an HTS current cryocomparator with thick-film YBCO toroidal shield. , 0, , .		3
49	A HTS cryogenic current comparator with a thick-film YBCO toroidal shield: recent investigations. , 0, , .		0