

Costanza Conti

List of Publications by Year in descending order

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394421

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26
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70
all docs

70
docs citations

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times ranked

198
citing authors

#	ARTICLE	IF	CITATIONS
1	Polynomial reproduction for univariate subdivision schemes of any arity. Journal of Approximation Theory, 2011, 163, 413-437.	0.8	77
2	Algebraic conditions on non-stationary subdivision symbols for exponential polynomial reproduction. Journal of Computational and Applied Mathematics, 2011, 236, 543-556.	2.0	46
3	Ellipse-preserving Hermite interpolation and subdivision. Journal of Mathematical Analysis and Applications, 2015, 426, 211-227.	1.0	40
4	Regularity of multivariate vector subdivision schemes. Numerical Algorithms, 2005, 39, 97-113.	1.9	36
5	Reproduction of exponential polynomials by multivariate non-stationary subdivision schemes with a general dilation matrix. Numerische Mathematik, 2014, 127, 223-254.	1.9	36
6	Convergence of univariate non-stationary subdivision schemes via asymptotic similarity. Computer Aided Geometric Design, 2015, 37, 1-8.	1.2	34
7	Polynomial reproduction of multivariate scalar subdivision schemes. Journal of Computational and Applied Mathematics, 2013, 240, 51-61.	2.0	33
8	Affine combination of B-spline subdivision masks and non-stationary counterparts. BIT Numerical Mathematics, 2010, 50, 269-299.	2.0	29
9	Scalar multivariate subdivision schemes and box splines. Computer Aided Geometric Design, 2011, 28, 285-306.	1.2	29
10	Dual Hermite subdivision schemes of de Rham-type. BIT Numerical Mathematics, 2014, 54, 955-977.	2.0	29
11	From approximating to interpolatory non-stationary subdivision schemes with the same generation properties. Advances in Computational Mathematics, 2011, 35, 217-241.	1.6	28
12	Regularity of non-stationary subdivision: a matrix approach. Numerische Mathematik, 2017, 135, 639-678.	1.9	23
13	From symmetric subdivision masks of Hurwitz type to interpolatory subdivision masks. Linear Algebra and Its Applications, 2009, 431, 1971-1987.	0.9	22
14	Dual univariate m -ary subdivision schemes of de Rham-type. Journal of Mathematical Analysis and Applications, 2013, 407, 443-456.	1.0	22
15	Exponential Hermite splines for the analysis of biomedical images. , 2014, , .		22
16	Approximation order and approximate sum rules in subdivision. Journal of Approximation Theory, 2016, 207, 380-401.	0.8	22
17	Factorization of Hermite subdivision operators preserving exponentials and polynomials. Advances in Computational Mathematics, 2016, 42, 1055-1079.	1.6	22
18	Exponential pseudo-splines: Looking beyond exponential B-splines. Journal of Mathematical Analysis and Applications, 2016, 439, 32-56.	1.0	21

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19	Semi-automatic spline fitting of planar curvilinear profiles in digital images using the Hough transform. <i>Pattern Recognition</i> , 2018, 74, 64-76.	8.1	20
20	A new subdivision method for bivariate splines on the four-directional mesh. <i>Journal of Computational and Applied Mathematics</i> , 2000, 119, 81-96.	2.0	19
21	Interpolatory rank-1 vector subdivision schemes. <i>Computer Aided Geometric Design</i> , 2004, 21, 341-351.	1.2	17
22	Convergence of level-dependent Hermite subdivision schemes. <i>Applied Numerical Mathematics</i> , 2017, 116, 119-128.	2.1	15
23	An algebraic approach to polynomial reproduction of Hermite subdivision schemes. <i>Journal of Computational and Applied Mathematics</i> , 2019, 349, 302-315.	2.0	13
24	Full rank interpolatory subdivision schemes: Kronecker, filters and multiresolution. <i>Journal of Computational and Applied Mathematics</i> , 2010, 233, 1649-1659.	2.0	12
25	Cubic Spline Data Reduction Choosing the Knots from a Third Derivative Criterion. <i>Numerical Algorithms</i> , 2001, 28, 45-61.	1.9	10
26	Totally positive functions through nonstationary subdivision schemes. <i>Journal of Computational and Applied Mathematics</i> , 2007, 200, 255-265.	2.0	10
27	Convergence and Normal Continuity Analysis of Nonstationary Subdivision Schemes Near Extraordinary Vertices and Faces. <i>Constructive Approximation</i> , 2019, 50, 457-496.	3.0	10
28	Full rank positive matrix symbols: interpolation and orthogonality. <i>BIT Numerical Mathematics</i> , 2008, 48, 5-27.	2.0	9
29	A New Family of Interpolatory Non-Stationary Subdivision Schemes for Curve Design in Geometric Modeling. , 2010, , .		8
30	Analysis of subdivision schemes for nets of functions by proximity and controllability. <i>Journal of Computational and Applied Mathematics</i> , 2011, 236, 461-475.	2.0	8
31	Stirling numbers and Gregory coefficients for the factorization of Hermite subdivision operators. <i>IMA Journal of Numerical Analysis</i> , 2021, 41, 2936-2961.	2.9	8
32	Joint spectral radius and ternary hermite subdivision. <i>Advances in Computational Mathematics</i> , 2021, 47, 1.	1.6	8
33	Symmetric four-directional bivariate pseudo-spline symbols. <i>Computer Aided Geometric Design</i> , 2018, 60, 10-17.	1.2	7
34	An algebraicâ€“elliptic algorithm for boundary orthogonal grid generation. <i>Applied Mathematics and Computation</i> , 2005, 162, 15-27.	2.2	6
35	A constructive algebraic strategy for interpolatory subdivision schemes induced by bivariate box splines. <i>Advances in Computational Mathematics</i> , 2013, 39, 395-424.	1.6	6
36	Computational error bounds for Laplace transform inversion based on smoothing splines. <i>Applied Mathematics and Computation</i> , 2020, 383, 125376.	2.2	6

#	ARTICLE	IF	CITATIONS
37	Concerning Order of Convergence for Subdivision. Numerical Algorithms, 2004, 36, 345-363.	1.9	5
38	Limits of level and parameter dependent subdivision schemes: A matrix approach. Applied Mathematics and Computation, 2016, 272, 20-27.	2.2	5
39	Penalized hyperbolic-polynomial splines. Applied Mathematics Letters, 2021, 118, 107159.	2.7	5
40	Adaptive frame methods for nonlinear variational problems. Numerische Mathematik, 2008, 109, 45-75.	1.9	4
41	Stationary and nonstationary affine combination of subdivision masks. Mathematics and Computers in Simulation, 2010, 81, 623-635.	4.4	4
42	Blending based corner cutting subdivision scheme for nets of curves. Computer Aided Geometric Design, 2010, 27, 340-358.	1.2	4
43	Convergence and smoothness of tensor-product of two non-uniform linear subdivision schemes. Computer Aided Geometric Design, 2018, 66, 16-18.	1.2	4
44	System theory and orthogonal multi-wavelets. Journal of Approximation Theory, 2019, 238, 85-102.	0.8	4
45	Using discrete uniformity property in a mixed algebraic method. Applied Numerical Mathematics, 2004, 49, 355-366.	2.1	3
46	Convergence of multivariate non-stationary vector subdivision schemes. Applied Numerical Mathematics, 2004, 49, 343-354.	2.1	3
47	Locally tensor product functions in algebraic grid optimization. Applied Mathematics and Computation, 2008, 197, 745-754.	2.2	3
48	Approximation by GP box-splines on a four-direction mesh. Journal of Computational and Applied Mathematics, 2008, 221, 310-329.	2.0	3
49	Interpolatory blending net subdivision schemes of Dubuc-Deslauriers type. Computer Aided Geometric Design, 2012, 29, 722-735.	1.2	3
50	Convergence analysis of corner cutting algorithms refining nets of functions. Mathematics and Computers in Simulation, 2020, 176, 134-146.	4.4	3
51	Non-stationary Subdivision Schemes: State of the Art and Perspectives. Springer Proceedings in Mathematics and Statistics, 2021, , 39-71.	0.2	3
52	Solving Bezout-like polynomial equations for the design of interpolatory subdivision schemes. , 2010, , .		3
53	Choosing nodes in parametric blending function interpolation. CAD Computer Aided Design, 1996, 28, 135-143.	2.7	2
54	On the convergence of convolved vector subdivision schemes. Applied Numerical Mathematics, 2004, 51, 477-486.	2.1	2

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55	An algebraic grid optimization algorithm using condition numbers. Applied Numerical Mathematics, 2006, 56, 1123-1133.	2.1	2
56	Full rank interpolatory subdivision: A first encounter with the multivariate realm. Journal of Approximation Theory, 2010, 162, 559-575.	0.8	2
57	Reproduction capabilities of penalized hyperbolic-polynomial splines. Applied Mathematics Letters, 2022, 132, 108133.	2.7	2
58	A discrete monotonous interpolation scheme. Computing (Vienna/New York), 1994, 52, 257-267.	4.8	1
59	The bidimensional interproximation problem and mixed splines. Journal of Computational and Applied Mathematics, 2001, 130, 1-16.	2.0	1
60	Re-parameterisation technique in algebraic numerical grid generation via subdivision schemes. Applied Numerical Mathematics, 2004, 51, 487-496.	2.1	1
61	Smoothed hat functions in subdivision. Journal of Computational and Applied Mathematics, 2008, 221, 330-345.	2.0	1
62	Image data compression with three-directional splines. , 2000, 4119, 650.		0
63	Optimal Hölder-Zygmund exponent of semi-regular refinable functions. Journal of Approximation Theory, 2020, 251, 105340.	0.8	0
64	Applied Scientific Computing XV: Innovative Modeling and Simulation in Sciences. Mathematics and Computers in Simulation, 2020, 176, 1-3.	4.4	0
65	C1-Quartic Butterfly-Spline Interpolation on Type-1 Triangulations. Springer Proceedings in Mathematics and Statistics, 2021, , 11-26.	0.2	0
66	Stable recovery of planar regions with algebraic boundaries in Bernstein form. Advances in Computational Mathematics, 2021, 47, 1.	1.6	0
67	From Full Rank Subdivision Schemes to Multichannel Wavelets: A Constructive Approach. Applied and Numerical Harmonic Analysis, 2011, , 109-130.	0.3	0
68	Annihilation operators for exponential spaces in subdivision. Applied Mathematics and Computation, 2022, 418, 126796.	2.2	0