Francesco Dell'Accio

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Expansion Over a Rectangle of Real Functions in Bernoulli Polynomials and Applications. BIT Numerical Mathematics, 2001, 41, 451-464.	2.0	32
2	Explicit polynomial expansions of regular real functions by means of even order Bernoulli polynomials and boundary values. Journal of Computational and Applied Mathematics, 2005, 176, 77-90.	2.0	29
3	On the bivariate Shepard–Lidstone operators. Journal of Computational and Applied Mathematics, 2012, 236, 1691-1707.	2.0	26
4	Lidstone approximation on the triangle. Applied Numerical Mathematics, 2005, 52, 339-361.	2.1	24
5	Shepard–Bernoulli operators. Mathematics of Computation, 2007, 76, 299-322.	2.1	24
6	Complete Hermite–Birkhoff interpolation on scattered data by combined Shepard operators. Journal of Computational and Applied Mathematics, 2016, 300, 192-206.	2.0	24
7	Fast computation of triangular Shepard interpolants. Journal of Computational and Applied Mathematics, 2019, 354, 457-470.	2.0	24
8	Complementary Lidstone interpolation on scattered data sets. Numerical Algorithms, 2013, 64, 157-180.	1.9	21
9	Expansions over a Simplex of Real Functions by Means of Bernoulli Polynomials. Numerical Algorithms, 2001, 28, 63-86.	1.9	18
10	Enhancing the approximation order of local Shepard operators by Hermite polynomials. Computers and Mathematics With Applications, 2012, 64, 3641-3655.	2.7	18
11	On the constrained mock-Chebyshev least-squares. Journal of Computational and Applied Mathematics, 2015, 280, 94-109.	2.0	17
12	On the hexagonal Shepard method. Applied Numerical Mathematics, 2020, 150, 51-64.	2.1	17
13	Solving Poisson equation with Dirichlet conditions through multinode Shepard operators. Computers and Mathematics With Applications, 2021, 98, 254-260.	2.7	16
14	Approximations on the Peano river network: Application of the Horton-Strahler hierarchy to the case of low connections. Physical Review E, 2009, 79, 026108.	2.1	14
15	xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	2.0	13
16	Increasing the approximation order of the triangular Shepard method. Applied Numerical Mathematics, 2018, 126, 78-91.	2.1	12
17	An Efficient Trivariate Algorithm for Tetrahedral Shepard Interpolation. Journal of Scientific Computing, 2020, 82, 1.	2.3	12
18	New bivariate polynomial expansion with boundary data on the simplex. Calcolo, 2008, 45, 177-192.	1.1	11

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19	Relation between grid, channel, and Peano networks in highâ€resolution digital elevation models. Water Resources Research, 2016, 52, 3527-3546.	4.2	11
20	On the approximation order of triangular Shepard interpolation. IMA Journal of Numerical Analysis, 0, , dru065.	2.9	10
21	Bivariate Shepard–Bernoulli operators. Mathematics and Computers in Simulation, 2017, 141, 65-82.	4.4	7
22	Fast and accurate scattered Hermite interpolation by triangular Shepard operators. Journal of Computational and Applied Mathematics, 2021, 382, 113092.	2.0	7
23	Reconstruction of a function from Hermite–Birkhoff data. Applied Mathematics and Computation, 2018, 318, 51-69.	2.2	6
24	On the numerical computation of bivariate Lagrange polynomials. Applied Mathematics Letters, 2021, 112, 106845.	2.7	6
25	Generalizations of the constrained mock-Chebyshev least squares in two variables: Tensor product vs total degree polynomial interpolation. Applied Mathematics Letters, 2022, 125, 107732.	2.7	6
26	New embedded boundary-type quadrature formulas for the simplex. Numerical Algorithms, 2007, 45, 253-267.	1.9	5
27	Numerical differentiation on scattered data through multivariate polynomial interpolation. BIT Numerical Mathematics, 2022, 62, 773-801.	2.0	5
28	Rational Hermite interpolation on six-tuples and scattered data. Applied Mathematics and Computation, 2020, 386, 125452.	2.2	3
29	A counterexample to a conjecture related to the Jacobian problem. Mathematical Notes, 1995, 58, 989-992.	0.4	1
30	On the nonsingularity of a special class of centrosymmetric matrices arising in spectral methods in BVPs. Applied Mathematics and Computation, 2008, 206, 991-993.	2.2	1
31	On the enhancement of the approximation order of triangular Shepard method. AIP Conference Proceedings, 2016, , .	0.4	1
32	Preface: The 2nd International Conference "Numerical Computations: Theory and Algorithms― NUMTA–2016. AIP Conference Proceedings, 2016, , .	0.4	1
33	Interpolation by Bivariate Quadratic Polynomials and Applications to the Scattered Data Interpolation Problem. Lecture Notes in Computer Science, 2020, , 35-46.	1.3	1
34	A Parallel Implementation of the Triangular Shepard Interpolation Method. , 2022, , .		1
35	Publisher's Note: Approximations on the Peano river network: Application of the Horton-Strahler hierarchy to the case of low connections [Phys. Rev. E79, 026108 (2009)]. Physical Review E, 2009, 79, .	2.1	0
36	The numerical calculation of topological turning points. International Journal of Computer Mathematics, 2011, 88, 3069-3085.	1.8	0

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#	Article	IF	CITATIONS
37	Multinode rational operators for univariate interpolation. AIP Conference Proceedings, 2016, , .	0.4	0
38	Special issue on New Trends in Numerical Analysis: Theory, Methods, Algorithms and Applications (NETNA2015). Applied Numerical Mathematics, 2017, 116, 1.	2.1	0
39	Prediction of an Industrial Kneading Process via the Adjustment Curve. Studies in Classification, Data Analysis, and Knowledge Organization, 2011, , 347-355.	0.2	0
40	Comparison of Shepard's Like Methods with Different Basis Functions. Lecture Notes in Computer Science, 2020, , 47-55.	1.3	0
41	A 3D Efficient Procedure for Shepard Interpolants on Tetrahedra. Lecture Notes in Computer Science, 2020, , 27-34.	1.3	0