Carl De Boor

List of Publications by Year
in descending order

30	3,695	394421	501196
papers	citations	19	28
		h-index	g-index

30	30	30	1593
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	The way things were in multivariate splines: A personal view. , 2009, , 19-37.		3
2	Multivariate approximation: theory and applications. An overview. Numerical Algorithms, 2008, 48, 1-9.	1.9	5
3	Multivariate polynomial interpolation: conjectures concerning GC-sets. Numerical Algorithms, 2007, 45, 113-125.	1.9	17
4	The B-spline recurrence relations of Chakalov and of Popoviciu. Journal of Approximation Theory, 2003, 124, 115-123.	0.8	15
5	A Leibniz Formula for Multivariate Divided Differences. SIAM Journal on Numerical Analysis, 2003, 41, 856-868.	2.3	4
6	CALCULATION OF THE SMOOTHING SPLINE WITH WEIGHTED ROUGHNESS MEASURE. Mathematical Models and Methods in Applied Sciences, 2001, 11, 33-41.	3.3	26
7	What is the Inverse of a Basis?. BIT Numerical Mathematics, 2001, 41, 880-890.	2.0	4
8	Computational aspects of multivariate polynomial interpolation: Indexing the coefficients. Advances in Computational Mathematics, 2000, 12, 289-301.	1.6	10
9	Approximation from Shift-Invariant Subspaces of L 2 ($\hat{a}„•d$). Transactions of the American Mathematical Society, 1994, 341, 787.	0.9	234
10	Computational Aspects of Polynomial Interpolation in Several Variables. Mathematics of Computation, 1992, 58, 705.	2.1	41
11	Computational aspects of polynomial interpolation in several variables. Mathematics of Computation, 1992, 58, 705-705.	2.1	99
12	The Exponentials in the Span of the Multiinteger Translates of a Compactly Supported Function; Quasiinterpolation and Approximation Order. Journal of the London Mathematical Society, 1992, s2-45, 519-535.	1.0	20
13	Fourier analysis of the approximation power of principal shift-invariant spaces. Constructive Approximation, 1992, 8, 427-462.	3.0	78
14	The least solution for the polynomial interpolation problem. Mathematische Zeitschrift, 1992, 210, 347-378.	0.9	77
15	On polynomial ideals of finite codimension with applications to box spline theory. Journal of Mathematical Analysis and Applications, 1991, 158, 168-193.	1.0	41
16	On multivariate polynomial interpolation. Constructive Approximation, 1990, 6, 287-302.	3.0	170
17	The polynomials in the linear span of integer translates of a compactly supported function. Constructive Approximation, 1987, 3, 199-208.	3.0	61
18	Local piecewise polynomial projection methods for an O.D.E. which give high-order convergence at knots. Mathematics of Computation, 1981, 36, 21-21.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Collocation approximation to eigenvalues of an ordinary differential equation: numerical illustrations. Mathematics of Computation, 1981, 36, 1-1.	2.1	11
20	Collocation approximation to eigenvalues of an ordinary differential equation: the principle of the thing. Mathematics of Computation, 1980, 35, 679-679.	2.1	31
21	Comments on: â€˜â€˜A comparison of global methods for linear two-point boundary value problemsâ€• (Math. Comp. {f 29} (1975), no. 132, 1007â€"1019) by R. D. Russell and J. M. Varah. Mathematics of Computation, 1977, 31, 916-916.	2.1	6
22	Package for Calculating with B-Splines. SIAM Journal on Numerical Analysis, 1977, 14, 441-472.	2.3	174
23	On Calculating with B-Splines II. Integration. , 1976, , 123-146.		15
24	On bounding spline interpolation. Journal of Approximation Theory, 1975, 14, 191-203.	0.8	36
25	Good approximation by splines with variable knots. II. Lecture Notes in Mathematics, 1974, , 12-20.	0.2	120
26	Collocation at Gaussian Points. SIAM Journal on Numerical Analysis, 1973, 10, 582-606.	2.3	542
27	Good Approximation by Splines with Variable Knots. International Series of Numerical Mathematics, 1973, , 57-72.	1.1	64
28	On calculating with B-splines. Journal of Approximation Theory, 1972, 6, 50-62.	0.8	1,443
29	On uniform approximation by splines. Journal of Approximation Theory, 1968, 1, 219-235.	0.8	116
30	Bicubic Spline Interpolation. Journal of Mathematics and Physics, 1962, 41, 212-218.	0.4	223