

# Ian H Sloan

## List of Publications by Year in descending order

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255  
papers

8,504  
citations

34100

52  
h-index

64791

79  
g-index

262  
all docs

262  
docs citations

262  
times ranked

1930  
citing authors

#	ARTICLE	IF	CITATIONS
1	When Are Quasi-Monte Carlo Algorithms Efficient for High Dimensional Integrals?. Journal of Complexity, 1998, 14, 1-33.	1.3	470
2	High-dimensional integration: The quasi-Monte Carlo way. Acta Numerica, 2013, 22, 133-288.	10.7	404
3	Nonsmooth data error estimates for approximations of an evolution equation with a positive-type memory term. Mathematics of Computation, 1996, 65, 1-18.	2.1	182
4	Quasi-Monte Carlo Finite Element Methods for a Class of Elliptic Partial Differential Equations with Random Coefficients. SIAM Journal on Numerical Analysis, 2012, 50, 3351-3374.	2.3	176
5	A new collocation-type method for Hammerstein integral equations. Mathematics of Computation, 1987, 48, 585-585.	2.1	155
6	Extremal Systems of Points and Numerical Integration on the Sphere. Advances in Computational Mathematics, 2004, 21, 107-125.	1.6	154
7	Time Discretization of an Integro-Differential Equation of Parabolic Type. SIAM Journal on Numerical Analysis, 1986, 23, 1052-1061.	2.3	141
8	Quasi-Monte Carlo methods for elliptic PDEs with random coefficients and applications. Journal of Computational Physics, 2011, 230, 3668-3694.	3.8	137
9	Theory of neutron-deuteron break-up at 14.4 MeV. Nuclear Physics A, 1971, 165, 161-179.	1.5	128
10	Lattice Methods for Multiple Integration: Theory, Error Analysis and Examples. SIAM Journal on Numerical Analysis, 1987, 24, 116-128.	2.3	124
11	Superconvergence in Finite Element Methods and Meshes That are Locally Symmetric with Respect to a Point. SIAM Journal on Numerical Analysis, 1996, 33, 505-521.	2.3	124
12	Polynomial Interpolation and Hyperinterpolation over General Regions. Journal of Approximation Theory, 1995, 83, 238-254.	0.8	108
13	Constructing Randomly Shifted Lattice Rules in Weighted Sobolev Spaces. SIAM Journal on Numerical Analysis, 2002, 40, 1650-1665.	2.3	107
14	Tractability of Multivariate Integration for Weighted Korobov Classes. Journal of Complexity, 2001, 17, 697-721.	1.3	106
15	Piecewise Continuous Collocation for Integral Equations. SIAM Journal on Numerical Analysis, 1983, 20, 172-186.	2.3	105
16	On decompositions of multivariate functions. Mathematics of Computation, 2009, 79, 953-966.	2.1	101
17	Improvement by iteration for compact operator equations. Mathematics of Computation, 1976, 30, 758-764.	2.1	97
18	Component-by-component construction of good lattice rules. Mathematics of Computation, 2001, 71, 263-274.	2.1	97

#	ARTICLE	IF	CITATIONS
19	Quasi-Monte Carlo finite element methods for elliptic PDEs with lognormal random coefficients. <i>Numerische Mathematik</i> , 2015, 131, 329-368.	1.9	95
20	The Galerkin Method for Integral Equations of the First Kind with Logarithmic Kernel: Theory. <i>IMA Journal of Numerical Analysis</i> , 1988, 8, 105-122.	2.9	94
21	Multiple-Scattering Analysis on a Soluble Neutron-Deuteron Model. <i>Physical Review</i> , 1969, 185, 1361-1370.	2.7	91
22	A parallel method for time discretization of parabolic equations based on Laplace transformation and quadrature. <i>IMA Journal of Numerical Analysis</i> , 2003, 23, 269-299.	2.9	89
23	Good Lattice Rules in Weighted Korobov Spaces with General Weights. <i>Numerische Mathematik</i> , 2006, 103, 63-97.	1.9	85
24	Properties of Interpolatory Product Integration Rules. <i>SIAM Journal on Numerical Analysis</i> , 1982, 19, 427-442.	2.3	84
25	Constructive Polynomial Approximation on the Sphere. <i>Journal of Approximation Theory</i> , 2000, 103, 91-118.	0.8	82
26	Why Are High-Dimensional Finance Problems Often of Low Effective Dimension?. <i>SIAM Journal of Scientific Computing</i> , 2005, 27, 159-183.	2.8	80
27	How good can polynomial interpolation on the sphere be?. <i>Advances in Computational Mathematics</i> , 2001, 14, 195-226.	1.6	78
28	Fully discrete spectral boundary integral methods for Helmholtz problems on smooth closed surfaces in $\mathbb{R}^3$ . <i>Numerische Mathematik</i> , 2002, 92, 289-323.	1.9	76
29	Multi-level Quasi-Monte Carlo Finite Element Methods for a Class of Elliptic PDEs with Random Coefficients. <i>Foundations of Computational Mathematics</i> , 2015, 15, 411-449.	2.5	75
30	Separable expansion of the matrix with analytic form factors. <i>Physical Review C</i> , 1975, 11, 1133-1140.	2.9	73
31	Error analysis of boundary integral methods. <i>Acta Numerica</i> , 1992, 1, 287-339.	10.7	73
32	A parallel method for time-discretization of parabolic problems based on contour integral representation and quadrature. <i>Mathematics of Computation</i> , 1999, 69, 177-196.	2.1	73
33	On the numerical solution of a logarithmic integral equation of the first kind for the Helmholtz equation. <i>Numerische Mathematik</i> , 1993, 66, 199-214.	1.9	72
34	Product-integration with the Clenshaw-Curtis and related points. <i>Numerische Mathematik</i> , 1978, 30, 415-428.	1.9	71
35	On the step-by-step construction of quasi-Monte Carlo integration rules that achieve strong tractability error bounds in weighted Sobolev spaces. <i>Mathematics of Computation</i> , 2002, 71, 1609-1641.	2.1	68
36	Liberating the weights. <i>Journal of Complexity</i> , 2004, 20, 593-623.	1.3	68

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37	Quasi-Monte Carlo Methods in Financial Engineering: An Equivalence Principle and Dimension Reduction. <i>Operations Research</i> , 2011, 59, 80-95.	1.9	66
38	A quadrature-based approach to improving the collocation method. <i>Numerische Mathematik</i> , 1988, 54, 41-56.	1.9	65
39	Finite-order weights imply tractability of multivariate integration. <i>Journal of Complexity</i> , 2004, 20, 46-74.	1.3	62
40	Phase parameters for nucleon-deuteron scattering. <i>Nuclear Physics A</i> , 1971, 168, 211-224.	1.5	60
41	Equations for Four-Particle Scattering. <i>Physical Review C</i> , 1972, 6, 1945-1955.	2.9	60
42	Lattice methods for multiple integration. <i>Journal of Computational and Applied Mathematics</i> , 1985, 12-13, 131-143.	2.0	59
43	Spline quadrature methods for boundary integral equations. <i>Numerische Mathematik</i> , 1990, 58, 537-567.	1.9	59
44	QMC designs: Optimal order Quasi Monte Carlo integration schemes on the sphere. <i>Mathematics of Computation</i> , 2014, 83, 2821-2851.	2.1	59
45	Product integration with the Clenshaw-Curtis points: Implementation and error estimates. <i>Numerische Mathematik</i> , 1980, 34, 387-401.	1.9	58
46	Approximation Method for Three-Body Collisions. <i>Physical Review</i> , 1968, 165, 1587-1594.	2.7	57
47	Low discrepancy sequences in high dimensions: How well are their projections distributed?. <i>Journal of Computational and Applied Mathematics</i> , 2008, 213, 366-386.	2.0	57
48	Separable operator expansions for the t-matrix. <i>Nuclear Physics A</i> , 1975, 241, 429-442.	1.5	56
49	Multiscale Analysis in Sobolev Spaces on the Sphere. <i>SIAM Journal on Numerical Analysis</i> , 2010, 48, 2065-2090.	2.3	56
50	QUASI-MONTE CARLO METHODS FOR HIGH-DIMENSIONAL INTEGRATION: THE STANDARD (WEIGHTED HILBERT) Tj ETQq0 0 0 rgBT /Ov	0.2	56
51	Liberating the dimension. <i>Journal of Complexity</i> , 2010, 26, 422-454.	1.3	55
52	Multilevel Quasi-Monte Carlo methods for lognormal diffusion problems. <i>Mathematics of Computation</i> , 2017, 86, 2827-2860.	2.1	54
53	Construction algorithms for polynomial lattice rules for multivariate integration. <i>Mathematics of Computation</i> , 2005, 74, 1895-1922.	2.1	52
54	Iterated Galerkin Method for Eigenvalue Problems. <i>SIAM Journal on Numerical Analysis</i> , 1976, 13, 753-760.	2.3	51

#	ARTICLE	IF	CITATIONS
55	The numerical solution of first-kind logarithmic-kernel integral equations on smooth open arcs. <i>Mathematics of Computation</i> , 1991, 56, 119-139.	2.1	50
56	Product-Integration Rules Based on the Zeros of Jacobi Polynomials. <i>SIAM Journal on Numerical Analysis</i> , 1980, 17, 1-13.	2.3	46
57	The representation of lattice quadrature rules as multiple sums. <i>Mathematics of Computation</i> , 1989, 52, 81-94.	2.1	46
58	Integral equation approach to electron-hydrogen collisions. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1968, 1, 414-422.	1.6	45
59	Time discretization via Laplace transformation of an integro-differential equation of parabolic type. <i>Numerische Mathematik</i> , 2006, 102, 497-522.	1.9	45
60	Extrapolation of the Iterated Collocation Method for Integral Equations of the Second Kind. <i>SIAM Journal on Numerical Analysis</i> , 1990, 27, 1535-1541.	2.3	44
61	Tractability of Approximation for Weighted Korobov Spaces on Classical and Quantum Computers. <i>Foundations of Computational Mathematics</i> , 2004, 4, 121-156.	2.5	42
62	On tractability of weighted integration over bounded and unbounded regions in $\mathbb{R}^s$ . <i>Mathematics of Computation</i> , 2004, 73, 1885-1902.	2.1	42
63	Vector and tensor polarizations in nucleon-deuteron scattering. <i>Nuclear Physics A</i> , 1972, 182, 369-384.	1.5	41
64	Cubature over the sphere  <small>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" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x</small>	0.8	41
65	Quadrature methods for logarithmic-kernel integral equations on closed curves. <i>IMA Journal of Numerical Analysis</i> , 1992, 12, 167-187.	2.9	39
66	Numerical Solution of the Generalized Airfoil Equation for an Airfoil with a Flap. <i>SIAM Journal on Numerical Analysis</i> , 1997, 34, 2288-2305.	2.3	38
67	The smoothing effect of the ANOVA decomposition. <i>Journal of Complexity</i> , 2010, 26, 523-551.	1.3	37
68	Analysis of Circulant Embedding Methods for Sampling Stationary Random Fields. <i>SIAM Journal on Numerical Analysis</i> , 2018, 56, 1871-1895.	2.3	37
69	Numerical Integration on the Sphere. , 2010, , 1185-1219.		35
70	The ionization of neutral helium by electron impact. <i>Proceedings of the Physical Society</i> , 1965, 85, 435-442.	1.6	34
71	Error analysis for a class of degenerate-kernel methods. <i>Numerische Mathematik</i> , 1975, 25, 231-238.	1.9	34
72	Product Integration in the Presence of a Singularity. <i>SIAM Journal on Numerical Analysis</i> , 1984, 21, 149-166.	2.3	34

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73	Lattice rule algorithms for multivariate approximation in the average case setting. Journal of Complexity, 2008, 24, 283-323.	1.3	34
74	A variational characterisation of spherical designs. Journal of Approximation Theory, 2009, 159, 308-318.	0.8	34
75	A new approach to the numerical solution of integral equations. Journal of Computational Physics, 1975, 18, 92-105.	3.8	33
76	Analysis of general quadrature methods for integral equations of the second kind. Numerische Mathematik, 1981, 38, 263-278.	1.9	33
77	Quasi-Monte Carlo for finance applications. ANZIAM Journal, 0, 50, 308.	0.0	33
78	A Quadrature-Based Approach to Improving the Collocation Method for Splines of Even Degree. Zeitschrift Fur Analysis Und Ihre Anwendung, 1989, 8, 361-376.	0.6	33
79	Quadrature methods for integral equations of the second kind over infinite intervals. Mathematics of Computation, 1981, 36, 511-523.	2.1	32
80	Mesh Grading for Integral Equations of the First Kind with Logarithmic Kernel. SIAM Journal on Numerical Analysis, 1989, 26, 574-587.	2.3	32
81	Filtered hyperinterpolation: a constructive polynomial approximation on the sphere. GEM - International Journal on Geomathematics, 2012, 3, 95-117.	1.6	32
82	Four Variants of the Galerkin Method for Integral Equations of the Second Kind. IMA Journal of Numerical Analysis, 1984, 4, 9-17.	2.9	31
83	Multiscale RBF collocation for solving PDEs on spheres. Numerische Mathematik, 2012, 121, 99-125.	1.9	31
84	Variational Approach to the On- and Off-Shell Matrix. Physical Review C, 1972, 6, 701-709.	2.9	30
85	On the numerical evaluation of singular integrals. BIT Numerical Mathematics, 1978, 18, 91-102.	2.0	30
86	Randomly shifted lattice rules with the optimal rate of convergence for unbounded integrands. Journal of Complexity, 2010, 26, 135-160.	1.3	30
87	Projection Methods for Integral Equations on the Half-Line. IMA Journal of Numerical Analysis, 1986, 6, 153-172.	2.9	29
88	Minimal cubature formulae of trigonometric degree. Mathematics of Computation, 1996, 65, 1583-1601.	2.1	29
89	An intractability result for multiple integration. Mathematics of Computation, 1997, 66, 1119-1125.	2.1	29
90	The smoothing effect of integration in $\mathbb{R}^d$ and the ANOVA decomposition. Mathematics of Computation, 2012, 82, 383-400.	2.1	29

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91	lower bounds for cubature error on the sphere $\langle \mathbf{S} \rangle^2$ . SIAM Journal on Numerical Analysis, 2010, 48, 2135-2157.	1.3	28
92	Well Conditioned Spherical Designs for Integration and Interpolation on the Two-Sphere. SIAM Journal on Numerical Analysis, 2010, 48, 2135-2157.	2.3	28
93	Method for Lippmann-Schwinger equations. Nuclear Physics A, 1974, 235, 352-360.	1.5	26
94	Imbedded Lattice Rules for Multidimensional Integration. SIAM Journal on Numerical Analysis, 1992, 29, 1119-1135.	2.3	26
95	Worst-case errors in a Sobolev space setting for cubature over the sphere $\langle \mathbf{S} \rangle^2$ . Bulletin of the Australian Mathematical Society, 2005, 71, 81-105.	0.5	26
96	Lattice Integration Rules of Maximal Rank Formed by Copying Rank 1 Rules. SIAM Journal on Numerical Analysis, 1992, 29, 566-577.	2.3	25
97	Quadrature in Besov spaces on the Euclidean sphere. Journal of Complexity, 2007, 23, 528-552.	1.3	25
98	Optimal order spline methods for nonlinear differential and integro-differential equations. Applied Numerical Mathematics, 1999, 29, 445-478.	2.1	24
99	Tractability of Integration in Non-periodic and Periodic Weighted Tensor Product Hilbert Spaces. Journal of Complexity, 2002, 18, 479-499.	1.3	24
100	Separable expansions and perturbation theory for three-body collisions. Nuclear Physics A, 1972, 182, 549-557.	1.5	23
101	Sturmian Expansion of the Coulomb Matrix. Physical Review A, 1973, 7, 1016-1023.	2.5	23
102	On choosing the points in product integration. Journal of Mathematical Physics, 1980, 21, 1032-1039.	1.1	23
103	Collocation with Chebyshev polynomials for Symm's integral equation on an interval. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1992, 34, 199-211.	0.2	23
104	Brownian bridge and principal component analysis: towards removing the curse of dimensionality. IMA Journal of Numerical Analysis, 2007, 27, 631-654.	2.9	23
105	Quasi-Monte Carlo for Highly Structured Generalised Response Models. Methodology and Computing in Applied Probability, 2008, 10, 239-275.	1.2	23
106	Wendland functions with increasing smoothness converge to a Gaussian. Advances in Computational Mathematics, 2014, 40, 185-200.	1.6	23
107	Superconvergence. , 1990, , 35-70.		23
108	On the compactness of certain integral operators. Journal of Mathematical Analysis and Applications, 1979, 68, 580-594.	1.0	22

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109	Error bounds for the method of good lattice points. <i>Mathematics of Computation</i> , 1991, 56, 257-266.	2.1	22
110	Numerical solutions of integral equations on the half line. <i>Numerische Mathematik</i> , 1987, 51, 599-614.	1.9	21
111	Multiscale approximation for functions in arbitrary Sobolev spaces by scaled radial basis functions on the unit sphere. <i>Applied and Computational Harmonic Analysis</i> , 2012, 32, 401-412.	2.2	21
112	Covering of spheres by spherical caps and worst-case error for equal weight cubature in Sobolev spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 431, 782-811.	1.0	21
113	Fast random field generation with H-matrices. <i>Numerische Mathematik</i> , 2018, 140, 639-676.	1.9	21
114	Lattice Rules for Multivariate Approximation in the Worst Case Setting. , 2006, , 289-330.		21
115	The Galerkin Method for Integral Equations of the First Kind with Logarithmic Kernel: Applications. <i>IMA Journal of Numerical Analysis</i> , 1988, 8, 123-140.	2.9	20
116	Properties of certain trigonometric series arising in numerical analysis. <i>Journal of Mathematical Analysis and Applications</i> , 1991, 162, 371-380.	1.0	20
117	Qualocation methods for elliptic boundary integral equations. <i>Numerische Mathematik</i> , 1998, 79, 451-483.	1.9	20
118	Quasi-Monte Carlo methods can be efficient for integration over products of spheres. <i>Journal of Complexity</i> , 2005, 21, 196-210.	1.3	20
119	Regularized Least Squares Approximations on the Sphere Using Spherical Designs. <i>SIAM Journal on Numerical Analysis</i> , 2012, 50, 1513-1534.	2.3	20
120	Circulant embedding with QMC: analysis for elliptic PDE with lognormal coefficients. <i>Numerische Mathematik</i> , 2018, 140, 479-511.	1.9	20
121	A Quasi-Monte Carlo Method for Optimal Control Under Uncertainty. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2021, 9, 354-383.	2.0	20
122	Product integration over infinite intervals. I. Rules based on the zeros of Hermite polynomials. <i>Mathematics of Computation</i> , 1983, 40, 519-535.	2.1	19
123	A Sinc Quadrature Method for the Double-Layer Integral Equation in Planar Domains with Corners. <i>Journal of Integral Equations and Applications</i> , 1998, 10, .	0.6	18
124	An Unconventional Quadrature Method for Logarithmic-Kernel Integral Equations Equations on Closed Curves. <i>Journal of Integral Equations and Applications</i> , 1992, 4, .	0.6	18
125	Neutron-deuteron scattering with soft-core. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1970, 31, 353-354.	4.1	17
126	Separable expansion of the t-matrix in the 3S1-3D1 channel. <i>Nuclear Physics A</i> , 1975, 251, 297-304.	1.5	17



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127	Projection methods for equations of the second kind. <i>Journal of Mathematical Analysis and Applications</i> , 1979, 69, 84-103.	1.0	17
128	A Computer Search of Rank-2 Lattice Rules for Multidimensional Quadrature. <i>Mathematics of Computation</i> , 1990, 54, 281.	2.1	17
129	A fourth-order cubic spline method for linear second-order two-point boundary-value problems. <i>IMA Journal of Numerical Analysis</i> , 1993, 13, 591-607.	2.9	17
130	The uniform norm of hyperinterpolation on the unit sphere in an arbitrary number of dimensions. <i>Constructive Approximation</i> , 2001, 17, 249-265.	3.0	17
131	On Korobov Lattice Rules in Weighted Spaces. <i>SIAM Journal on Numerical Analysis</i> , 2004, 42, 1760-1779.	2.3	17
132	Lattice-Nyström method for Fredholm integral equations of the second kind with convolution type kernels. <i>Journal of Complexity</i> , 2007, 23, 752-772.	1.3	17
133	Fully discrete needlet approximation on the sphere. <i>Applied and Computational Harmonic Analysis</i> , 2017, 43, 292-316.	2.2	17
134	Polynomial approximation on spheres - generalizing de la Vallée-Poussin. <i>Computational Methods in Applied Mathematics</i> , 2011, 11, 540-552.	0.8	17
135	Neutron-deuteron breakup models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1970, 33, 195-196.	4.1	16
136	The finite-section approximation for integral equations on the half-line. <i>Journal of the Australian Mathematical Society Series B Applied Mathematics</i> , 1987, 28, 415-434.	0.2	16
137	Spline qualocation methods for variable-coefficient elliptic equations on curves. <i>Numerische Mathematik</i> , 1999, 83, 497-533.	1.9	16
138	Efficient Weighted Lattice Rules with Applications to Finance. <i>SIAM Journal of Scientific Computing</i> , 2006, 28, 728-750.	2.8	16
139	Approximation on the sphere using radial basis functions plus polynomials. <i>Advances in Computational Mathematics</i> , 2008, 29, 147-177.	1.6	16
140	Tensor force in the separable potential model of neutron-deuteron collisions. <i>Nuclear Physics A</i> , 1969, 139, 337-352.	1.5	15
141	Variational method for off-shell three-body amplitudes. <i>Physical Review C</i> , 1974, 9, 4-15.	2.9	15
142	A computer search of rank-2 lattice rules for multidimensional quadrature. <i>Mathematics of Computation</i> , 1990, 54, 281-302.	2.1	15
143	Tractability of Tensor Product Linear Operators. <i>Journal of Complexity</i> , 1997, 13, 387-418.	1.3	15
144	Boundary integral equations on the sphere with radial basis functions: error analysis. <i>Applied Numerical Mathematics</i> , 2009, 59, 2857-2871.	2.1	15

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145	Random Point Sets on the Sphere—Hole Radii, Covering, and Separation. <i>Experimental Mathematics</i> , 2018, 27, 62-81.	0.7	15
146	Vector and tensor polarizations in nucleon-deuteron scattering (II). <i>Nuclear Physics A</i> , 1972, 198, 321-342.	1.5	14
147	Numerical solutions of integral equations on the half line II. <i>Journal of Integral Equations and Applications</i> , 1988, 1, 203.	0.6	14
148	Implementation of a lattice method for numerical multiple integration. <i>ACM Transactions on Mathematical Software</i> , 1993, 19, 523-545.	2.9	14
149	Periodization strategy may fail in high dimensions. <i>Numerical Algorithms</i> , 2007, 46, 369-391.	1.9	14
150	Overlapping additive Schwarz preconditioners for elliptic PDEs on the unit sphere. <i>Mathematics of Computation</i> , 2009, 78, 79-79.	2.1	14
151	Analysis of quasi-Monte Carlo methods for elliptic eigenvalue problems with stochastic coefficients. <i>Numerische Mathematik</i> , 2019, 142, 863-915.	1.9	14
152	Nonpolynomial interpolation. <i>Journal of Approximation Theory</i> , 1983, 39, 97-117.	0.8	13
153	Qualocation. <i>Journal of Computational and Applied Mathematics</i> , 2000, 125, 461-478.	2.0	13
154	Preconditioners for pseudodifferential equations on the sphere with radial basis functions. <i>Numerische Mathematik</i> , 2010, 115, 141-163.	1.9	13
155	On Tractability of Weighted Integration for Certain Banach Spaces of Functions. , 2004, , 51-71.		13
156	Lattice rules for multiple integration and discrepancy. <i>Mathematics of Computation</i> , 1990, 54, 303-303.	2.1	12
157	Title is missing!. <i>Advances in Computational Mathematics</i> , 1997, 7, 547-571.	1.6	12
158	Local error bounds for post-processed finite element calculations. <i>International Journal for Numerical Methods in Engineering</i> , 1999, 45, 1085-1098.	2.8	12
159	QMC Integration — Beating Intractability by Weighting the Coordinate Directions. , 2002, , 103-123.		12
160	On strong tractability of weighted multivariate integration. <i>Mathematics of Computation</i> , 2004, 73, 1903-1912.	2.1	12
161	Infinite-dimensional integration and the multivariate decomposition method. <i>Journal of Computational and Applied Mathematics</i> , 2017, 326, 217-234.	2.0	12
162	Multivariate approximation for analytic functions with Gaussian kernels. <i>Journal of Complexity</i> , 2018, 45, 1-21.	1.3	12

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163	High dimensional integration of kinks and jumps – Smoothing by preintegration. Journal of Computational and Applied Mathematics, 2018, 344, 259-274.	2.0	12
164	Isotropic sparse regularization for spherical harmonic representations of random fields on the sphere. Applied and Computational Harmonic Analysis, 2020, 49, 257-278.	2.2	12
165	A Review of Numerical Methods for Fredholm Equations of the Second Kind. , 1980, , 51-74.		12
166	Levinson's theorem and S-wave neutron-deuteron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1971, 34, 243-244.	4.1	11
167	Quadrature method for singular integral equations on closed curves. Numerische Mathematik, 1992, 61, 543-559.	1.9	11
168	The n-d initial-state interaction in n-d break-up. Nuclear Physics A, 1972, 194, 589-598.	1.5	10
169	A fully discrete and symmetric boundary element method. IMA Journal of Numerical Analysis, 1994, 14, 311-345.	2.9	10
170	Note on – The smoothing effect of integration in $\mathbb{R}^d$ and the ANOVA decomposition – Mathematics of Computation, 2016, 86, 1847-1854.	2.1	10
171	Needlet approximation for isotropic random fields on the sphere. Journal of Approximation Theory, 2017, 216, 86-116.	0.8	10
172	On computing the lattice rule criterion ?. Mathematics of Computation, 1992, 59, 557-568.	2.1	10
173	Padé approximants and nucleon-deuteron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1972, 40, 55-57.	4.1	9
174	Separable expansions of the t-matrix. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1973, 44, 354-356.	4.1	9
175	Product Integration Over Infinite Intervals I. Rules Based on the Zeros of Hermite Polynomials. Mathematics of Computation, 1983, 40, 519.	2.1	9
176	Commutator Properties for Periodic Splines. Journal of Approximation Theory, 1999, 97, 254-281.	0.8	9
177	A pseudospectral quadrature method for Navier-Stokes equations on rotating spheres. Mathematics of Computation, 2010, 80, 1397-1430.	2.1	9
178	Parameter Choice Strategies for Least-squares Approximation of Noisy Smooth Functions on the Sphere. SIAM Journal on Numerical Analysis, 2015, 53, 820-835.	2.3	9
179	The ANOVA decomposition of a non-smooth function of infinitely many variables can have every term smooth. Mathematics of Computation, 2016, 86, 1855-1876.	2.1	9
180	Radial basis function approximation of noisy scattered data on the sphere. Numerische Mathematik, 2017, 137, 579-605.	1.9	9

#	ARTICLE	IF	CITATIONS
181	The Strong Tractability of Multivariate Integration Using Lattice Rules. , 2004, , 259-273.		9
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