

Ian H Sloan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

250
papers

6,891
citations

47
h-index

70
g-index

262
ext. papers

7,400
ext. citations

1.9
avg, IF

6.06
L-index

#	Paper	IF	Citations
250	Fast approximation by periodic kernel-based lattice-point interpolation with application in uncertainty quantification. <i>Numerische Mathematik</i> , 2022 , 150, 33	2.2	1
249	A new probe of Gaussianity and isotropy with application to cosmic microwave background maps. <i>International Journal of Modern Physics C</i> , 2021 , 32, 2150084	1.1	0
248	Local RBF-based penalized least-squares approximation on the sphere with noisy scattered data. <i>Journal of Computational and Applied Mathematics</i> , 2021 , 382, 113061	2.4	1
247	Quasi-Monte Carlo Finite Element Analysis for Wave Propagation in Heterogeneous Random Media. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2021 , 9, 106-134	1.8	2
246	Lattice meets lattice: Application of lattice cubature to models in lattice gauge theory. <i>Journal of Computational Physics</i> , 2021 , 443, 110527	4.1	
245	A Quasi-Monte Carlo Method for Optimal Control Under Uncertainty. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2021 , 9, 354-383	1.8	5
244	Uncertainty Quantification Using Periodic Random Variables. <i>SIAM Journal on Numerical Analysis</i> , 2020 , 58, 1068-1091	2.4	2
243	Worst-Case Error for Unshifted Lattice Rules Without Randomisation. <i>MATRIX Book Series</i> , 2020 , 79-96	0.2	
242	Bounding the Spectral Gap for an Elliptic Eigenvalue Problem with Uniformly Bounded Stochastic Coefficients. <i>MATRIX Book Series</i> , 2020 , 29-43	0.2	0
241	Fast component-by-component construction of lattice algorithms for multivariate approximation with POD and SPOD weights. <i>Mathematics of Computation</i> , 2020 , 90, 787-812	1.6	3
240	Isotropic sparse regularization for spherical harmonic representations of random fields on the sphere. <i>Applied and Computational Harmonic Analysis</i> , 2020 , 49, 257-278	3.1	7
239	Analysis of quasi-Monte Carlo methods for elliptic eigenvalue problems with stochastic coefficients. <i>Numerische Mathematik</i> , 2019 , 142, 863-915	2.2	3
238	Circulant embedding with QMC: analysis for elliptic PDE with lognormal coefficients. <i>Numerische Mathematik</i> , 2018 , 140, 479-511	2.2	13
237	Hiding the weights: CBC black box algorithms with a guaranteed error bound. <i>Mathematics and Computers in Simulation</i> , 2018 , 143, 202-214	3.3	1
236	Analysis of Circulant Embedding Methods for Sampling Stationary Random Fields. <i>SIAM Journal on Numerical Analysis</i> , 2018 , 56, 1871-1895	2.4	23
235	Fast random field generation with H-matrices. <i>Numerische Mathematik</i> , 2018 , 140, 639-676	2.2	16
234	Combining Sparse Grids, Multilevel MC and QMC for Elliptic PDEs with Random Coefficients. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018 , 265-281	0.2	1

233	Random Point Sets on the Sphere: Hole Radii, Covering, and Separation. <i>Experimental Mathematics</i> , 2018 , 27, 62-81	0.5	8
232	Multivariate approximation for analytic functions with Gaussian kernels. <i>Journal of Complexity</i> , 2018 , 45, 1-21	1.2	9
231	Riemann Localisation on the Sphere. <i>Journal of Fourier Analysis and Applications</i> , 2018 , 24, 141-183	1.1	2
230	High dimensional integration of kinks and jumps: Smoothing by preintegration. <i>Journal of Computational and Applied Mathematics</i> , 2018 , 344, 259-274	2.4	11
229	Fully discrete needlet approximation on the sphere. <i>Applied and Computational Harmonic Analysis</i> , 2017 , 43, 292-316	3.1	12
228	Needlet approximation for isotropic random fields on the sphere. <i>Journal of Approximation Theory</i> , 2017 , 216, 86-116	0.9	6
227	Radial basis function approximation of noisy scattered data on the sphere. <i>Numerische Mathematik</i> , 2017 , 137, 579-605	2.2	6
226	Zooming from global to local: a multiscale RBF approach. <i>Advances in Computational Mathematics</i> , 2017 , 43, 581-606	1.6	4
225	Multilevel Quasi-Monte Carlo methods for lognormal diffusion problems. <i>Mathematics of Computation</i> , 2017 , 86, 2827-2860	1.6	39
224	Infinite-dimensional integration and the multivariate decomposition method. <i>Journal of Computational and Applied Mathematics</i> , 2017 , 326, 217-234	2.4	9
223	On Filtered Polynomial Approximation on the Sphere. <i>Journal of Fourier Analysis and Applications</i> , 2017 , 23, 863-876	1.1	7
222	Two-parameter regularization of ill-posed spherical pseudo-differential equations in the space of continuous functions. <i>Applied Mathematics and Computation</i> , 2016 , 273, 993-1005	2.7	3
221	The ANOVA decomposition of a non-smooth function of infinitely many variables can have every term smooth. <i>Mathematics of Computation</i> , 2016 , 86, 1855-1876	1.6	6
220	Multivariate integration for analytic functions with Gaussian kernels. <i>Mathematics of Computation</i> , 2016 , 86, 829-853	1.6	5
219	Note on the smoothing effect of integration in \mathbb{R}^d and the ANOVA decomposition. <i>Mathematics of Computation</i> , 2016 , 86, 1847-1854	1.6	8
218	Quasi-Monte Carlo finite element methods for elliptic PDEs with lognormal random coefficients. <i>Numerische Mathematik</i> , 2015 , 131, 329-368	2.2	72
217	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	2.7	66
216	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	1.1	15

215	Parameter Choice Strategies for Least-squares Approximation of Noisy Smooth Functions on the Sphere. <i>SIAM Journal on Numerical Analysis</i> , 2015 , 53, 820-835	2.4	7
214	Numerical Integration on the Sphere 2015 , 2671-2710		7
213	Numerical Integration on the Sphere 2015 , 1-35		
212	QMC designs: Optimal order Quasi Monte Carlo integration schemes on the sphere. <i>Mathematics of Computation</i> , 2014 , 83, 2821-2851	1.6	47
211	Wendland functions with increasing smoothness converge to a Gaussian. <i>Advances in Computational Mathematics</i> , 2014 , 40, 185-200	1.6	17
210	High-dimensional integration: The quasi-Monte Carlo way* \square <i>Acta Numerica</i> , 2013 , 22, 133-288	15.1	290
209	CORRECTION TO QUASI-MONTE CARLO METHODS FOR HIGH-DIMENSIONAL INTEGRATION: THE STANDARD (WEIGHTED HILBERT SPACE) SETTING AND BEYOND \square <i>ANZIAM Journal</i> , 2013 , 54, 216-219	0.5	
208	Numerical Integration on the Sphere 2013 , 1-35		1
207	On the Choice of Weights in a Function Space for Quasi-Monte Carlo Methods for a Class of Generalised Response Models in Statistics. <i>Springer Proceedings in Mathematics and Statistics</i> , 2013 , 631-647	0.2	2
206	Regularized Least Squares Approximations on the Sphere Using Spherical Designs. <i>SIAM Journal on Numerical Analysis</i> , 2012 , 50, 1513-1534	2.4	15
205	Quasi-Monte Carlo Finite Element Methods for a Class of Elliptic Partial Differential Equations with Random Coefficients. <i>SIAM Journal on Numerical Analysis</i> , 2012 , 50, 3351-3374	2.4	137
204	CORRECTION TO QUASI-MONTE CARLO METHODS FOR HIGH-DIMENSIONAL INTEGRATION: THE STANDARD (WEIGHTED HILBERT SPACE) SETTING AND BEYOND \square <i>ANZIAM Journal</i> , 2012 , 53, 251-251	0.5	
203	The smoothing effect of integration in \mathbb{R}^d and the ANOVA decomposition. <i>Mathematics of Computation</i> , 2012 , 82, 383-400	1.6	26
202	Filtered hyperinterpolation: a constructive polynomial approximation on the sphere. <i>GEM - International Journal on Geomathematics</i> , 2012 , 3, 95-117	2.7	26
201	Multiscale RBF collocation for solving PDEs on spheres. <i>Numerische Mathematik</i> , 2012 , 121, 99-125	2.2	27
200	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	3.1	20
199	Stability and preconditioning for a hybrid approximation on the sphere. <i>Numerische Mathematik</i> , 2011 , 118, 695-711	2.2	4
198	Quasi-Monte Carlo methods for elliptic PDEs with random coefficients and applications. <i>Journal of Computational Physics</i> , 2011 , 230, 3668-3694	4.1	98

197	QUASI-MONTE CARLO METHODS FOR HIGH-DIMENSIONAL INTEGRATION: THE STANDARD (WEIGHTED HILBERT SPACE) SETTING AND BEYOND. <i>ANZIAM Journal</i> , 2011 , 53, 1-37	0.5	46
196	Quasi-Monte Carlo Methods in Financial Engineering: An Equivalence Principle and Dimension Reduction. <i>Operations Research</i> , 2011 , 59, 80-95	2.3	43
195	Polynomial approximation on spheres - generalizing de la Vallée-Poussin. <i>Computational Methods in Applied Mathematics</i> , 2011 , 11, 540-552	1.2	14
194	Numerical Integration on the Sphere 2010 , 1185-1219		30
193	Multiscale Analysis in Sobolev Spaces on the Sphere. <i>SIAM Journal on Numerical Analysis</i> , 2010 , 48, 2065-2090	2.0	45
192	Well Conditioned Spherical Designs for Integration and Interpolation on the Two-Sphere. <i>SIAM Journal on Numerical Analysis</i> , 2010 , 48, 2135-2157	2.4	21
191	A pseudospectral quadrature method for Navier-Stokes equations on rotating spheres. <i>Mathematics of Computation</i> , 2010 , 80, 1397-1430	1.6	7
190	Preconditioners for pseudodifferential equations on the sphere with radial basis functions. <i>Numerische Mathematik</i> , 2010 , 115, 141-163	2.2	10
189	Randomly shifted lattice rules with the optimal rate of convergence for unbounded integrands. <i>Journal of Complexity</i> , 2010 , 26, 135-160	1.2	25
188	Liberating the dimension. <i>Journal of Complexity</i> , 2010 , 26, 422-454	1.2	52
187	The smoothing effect of the ANOVA decomposition. <i>Journal of Complexity</i> , 2010 , 26, 523-551	1.2	28
186	Overlapping additive Schwarz preconditioners for elliptic PDEs on the unit sphere. <i>Mathematics of Computation</i> , 2009 , 78, 79-79	1.6	8
185	On decompositions of multivariate functions. <i>Mathematics of Computation</i> , 2009 , 79, 953-966	1.6	77
184	Boundary integral equations on the sphere with radial basis functions: error analysis. <i>Applied Numerical Mathematics</i> , 2009 , 59, 2857-2871	2.5	15
183	A variational characterisation of spherical designs. <i>Journal of Approximation Theory</i> , 2009 , 159, 308-318	0.9	30
182	Inf-sup condition for spherical polynomials and radial basis functions on spheres. <i>Mathematics of Computation</i> , 2009 , 78, 1319-1331	1.6	3
181	Lattice rule algorithms for multivariate approximation in the average case setting. <i>Journal of Complexity</i> , 2008 , 24, 283-323	1.2	29
180	Quasi-Monte Carlo for Highly Structured Generalised Response Models. <i>Methodology and Computing in Applied Probability</i> , 2008 , 10, 239-275	0.6	19

179	Counting Australia in: the people, organizations, and institutions of Australian mathematics. <i>Mathematical Intelligencer</i> , 2008 , 30, 63-65	0.2	1
178	Approximation on the sphere using radial basis functions plus polynomials. <i>Advances in Computational Mathematics</i> , 2008 , 29, 147-177	1.6	14
177	Low discrepancy sequences in high dimensions: How well are their projections distributed?. <i>Journal of Computational and Applied Mathematics</i> , 2008 , 213, 366-386	2.4	44
176	A component-by-component approach to efficient numerical integration over products of spheres. <i>Journal of Complexity</i> , 2007 , 23, 25-51	1.2	4
175	Periodization strategy may fail in high dimensions. <i>Numerical Algorithms</i> , 2007 , 46, 369-391	2.1	10
174	Quadrature in Besov spaces on the Euclidean sphere. <i>Journal of Complexity</i> , 2007 , 23, 528-552	1.2	20
173	Lattice-Nyström method for Fredholm integral equations of the second kind with convolution type kernels. <i>Journal of Complexity</i> , 2007 , 23, 752-772	1.2	12
172	Brownian bridge and principal component analysis: towards removing the curse of dimensionality. <i>IMA Journal of Numerical Analysis</i> , 2007 , 27, 631-654	1.8	15
171	Time discretization via Laplace transformation of an integro-differential equation of parabolic type. <i>Numerische Mathematik</i> , 2006 , 102, 497-522	2.2	35
170	Good Lattice Rules in Weighted Korobov Spaces with General Weights. <i>Numerische Mathematik</i> , 2006 , 103, 63-97	2.2	69
169	Optimal order integration on the sphere. <i>Series in Contemporary Applied Mathematics</i> , 2006 , 59-70	0	2
168	Efficient Weighted Lattice Rules with Applications to Finance. <i>SIAM Journal of Scientific Computing</i> , 2006 , 28, 728-750	2.6	13
167	Cubature over the sphere. <i>Journal of Approximation Theory</i> , 2006 , 141, 118-133	0.9	34
166	Randomly shifted lattice rules on the unit cube for unbounded integrands in high dimensions. <i>Journal of Complexity</i> , 2006 , 22, 71-101	1.2	7
165	Lattice Rules for Multivariate Approximation in the Worst Case Setting 2006 , 289-330		13
164	A Piecewise Constant Algorithm for Weighted L1 Approximation over Bounded or Unbounded Regions in \mathbb{R}^s . <i>SIAM Journal on Numerical Analysis</i> , 2005 , 43, 1003-1020	2.4	6
163	Why Are High-Dimensional Finance Problems Often of Low Effective Dimension?. <i>SIAM Journal of Scientific Computing</i> , 2005 , 27, 159-183	2.6	62
162	Worst-case errors in a Sobolev space setting for cubature over the sphere S^2 . <i>Bulletin of the Australian Mathematical Society</i> , 2005 , 71, 81-105	0.4	23

161	Optimal lower bounds for cubature error on the sphere S^2 . <i>Journal of Complexity</i> , 2005 , 21, 790-803	1.2	25
160	Discrete orthogonal projections on multiple knot periodic splines. <i>Journal of Approximation Theory</i> , 2005 , 137, 201-225	0.9	3
159	Quasi-Monte Carlo methods can be efficient for integration over products of spheres. <i>Journal of Complexity</i> , 2005 , 21, 196-210	1.2	16
158	Construction algorithms for polynomial lattice rules for multivariate integration. <i>Mathematics of Computation</i> , 2005 , 74, 1895-1922	1.6	43
157	On strong tractability of weighted multivariate integration. <i>Mathematics of Computation</i> , 2004 , 73, 1903-1912	1.2	11
156	Extremal Systems of Points and Numerical Integration on the Sphere. <i>Advances in Computational Mathematics</i> , 2004 , 21, 107-125	1.6	130
155	Tractability of Approximation for Weighted Korobov Spaces on Classical and Quantum Computers. <i>Foundations of Computational Mathematics</i> , 2004 , 4, 121-156	2.7	32
154	Liberating the weights. <i>Journal of Complexity</i> , 2004 , 20, 593-623	1.2	54
153	Finite-order weights imply tractability of multivariate integration. <i>Journal of Complexity</i> , 2004 , 20, 46-74	1.2	51
152	On Korobov Lattice Rules in Weighted Spaces. <i>SIAM Journal on Numerical Analysis</i> , 2004 , 42, 1760-1779	2.4	13
151	On tractability of weighted integration over bounded and unbounded regions in \mathbb{R}^s . <i>Mathematics of Computation</i> , 2004 , 73, 1885-1902	1.6	31
150	The Strong Tractability of Multivariate Integration Using Lattice Rules 2004 , 259-273		7
149	When Does Monte Carlo Depend Polynomially on the Number of Variables? 2004 , 407-437		5
148	On Tractability of Weighted Integration for Certain Banach Spaces of Functions 2004 , 51-71		10
147	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	1.8	76
146	Tractability of Integration in Non-periodic and Periodic Weighted Tensor Product Hilbert Spaces. <i>Journal of Complexity</i> , 2002 , 18, 479-499	1.2	22
145	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	2.2	65
144	Good approximation on the sphere, with application to geodesy and the scattering of sound. <i>Journal of Computational and Applied Mathematics</i> , 2002 , 149, 227-237	2.4	8

143	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	1.6	61
142	QMC Integration [Beating Intractability by Weighting the Coordinate Directions 2002 , 103-123		7
141	Constructing Randomly Shifted Lattice Rules in Weighted Sobolev Spaces. <i>SIAM Journal on Numerical Analysis</i> , 2002 , 40, 1650-1665	2.4	90
140	Component-by-component construction of good lattice rules. <i>Mathematics of Computation</i> , 2001 , 71, 263-274	1.6	77
139	The uniform norm of hyperinterpolation on the unit sphere in an arbitrary number of dimensions. <i>Constructive Approximation</i> , 2001 , 17, 249-265	1.6	12
138	Tractability of Multivariate Integration for Weighted Korobov Classes. <i>Journal of Complexity</i> , 2001 , 17, 697-721	1.2	87
137	How good can polynomial interpolation on the sphere be?. <i>Advances in Computational Mathematics</i> , 2001 , 14, 195-226	1.6	62
136	The Tolerant Qualocation Method for Variable- Coefficient Elliptic Equations on Curves. <i>Journal of Integral Equations and Applications</i> , 2001 , 13,	1.2	3
135	On Qualocation and Collocation Methods for Singular Integral Equations with Piecewise Continuous Coefficients, Using Continuous Splines on Quasi-uniform Meshes 2001 , 146-161		1
134	Multiple integration is intractable but not hopeless. <i>ANZIAM Journal</i> , 2000 , 42, 3-8	0.5	2
133	Constructive Polynomial Approximation on the Sphere. <i>Journal of Approximation Theory</i> , 2000 , 103, 91-108	0.9	72
132	Superapproximation and Commutator Properties of Discrete Orthogonal Projections for Continuous Splines. <i>Journal of Approximation Theory</i> , 2000 , 107, 244-267	0.9	4
131	Qualocation. <i>Journal of Computational and Applied Mathematics</i> , 2000 , 125, 461-478	2.4	13
130	Optimal order spline methods for nonlinear differential and integro-differential equations. <i>Applied Numerical Mathematics</i> , 1999 , 29, 445-478	2.5	20
129	Spline qualocation methods for variable-coefficient elliptic equations on curves. <i>Numerische Mathematik</i> , 1999 , 83, 497-533	2.2	12
128	Commutator Properties for Periodic Splines. <i>Journal of Approximation Theory</i> , 1999 , 97, 254-281	0.9	8
127	Local error bounds for post-processed finite element calculations. <i>International Journal for Numerical Methods in Engineering</i> , 1999 , 45, 1085-1098	2.4	10
126	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	1.6	57

125	When Are Quasi-Monte Carlo Algorithms Efficient for High Dimensional Integrals?. <i>Journal of Complexity</i> , 1998 , 14, 1-33	1.2	382
124	Semi-discrete Galerkin approximation of the single layer equation by general splines. <i>Numerische Mathematik</i> , 1998 , 79, 157-174	2.2	5
123	Qualocation methods for elliptic boundary integral equations. <i>Numerische Mathematik</i> , 1998 , 79, 451-483.2		18
122	Stability of discrete orthogonal projections for continuous splines. <i>Bulletin of the Australian Mathematical Society</i> , 1998 , 58, 307-332	0.4	8
121	Tolerant Qualocation A Qualocation Method for Boundary Integral Equations with Reduced Regularity Requirement. <i>Journal of Integral Equations and Applications</i> , 1998 , 10,	1.2	8
120	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,	1.2	13
119	An intractability result for multiple integration. <i>Mathematics of Computation</i> , 1997 , 66, 1119-1125	1.6	20
118	On 2D packings of cubes in the torus. <i>Proceedings of the American Mathematical Society</i> , 1997 , 125, 17-26.8		3
117	Cubature Rules of Prescribed Merit. <i>SIAM Journal on Numerical Analysis</i> , 1997 , 34, 586-602	2.4	5
116	Numerical Solution of the Generalized Airfoil Equation for an Airfoil with a Flap. <i>SIAM Journal on Numerical Analysis</i> , 1997 , 34, 2288-2305	2.4	33
115	Discrete qualocation methods for logarithmic-kernel integral equations on a piecewise smooth boundary. <i>Advances in Computational Mathematics</i> , 1997 , 7, 547-571	1.6	7
114	Tractability of Tensor Product Linear Operators. <i>Journal of Complexity</i> , 1997 , 13, 387-418	1.2	12
113	Semi-Discrete Galerkin Approximations for the Single-Layer Equation on Lipschitz Curves. <i>Journal of Integral Equations and Applications</i> , 1997 , 9,	1.2	2
112	Superconvergence in Finite Element Methods and Meshes That are Locally Symmetric with Respect to a Point. <i>SIAM Journal on Numerical Analysis</i> , 1996 , 33, 505-521	2.4	104
111	Nonsmooth data error estimates for approximations of an evolution equation with a positive-type memory term. <i>Mathematics of Computation</i> , 1996 , 65, 1-18	1.6	134
110	Minimal cubature formulae of trigonometric degree. <i>Mathematics of Computation</i> , 1996 , 65, 1583-1601	1.6	24
109	The Qualocation Method for Symm's Integral Equation on a Polygon. <i>Mathematische Nachrichten</i> , 1996 , 177, 81-108	0.8	8
108	Variants of the Koksma-Hlawka inequality for vertex-modified quasi-Monte Carlo integration rules. <i>Mathematical and Computer Modelling</i> , 1996 , 23, 69-77		4

107	Spline petrov-galerkin methods with quadrature. <i>Numerical Functional Analysis and Optimization</i> , 1996 , 17, 755-784	1	5
106	Polynomial Interpolation and Hyperinterpolation over General Regions. <i>Journal of Approximation Theory</i> , 1995 , 83, 238-254	0.9	91
105	A fully discrete and symmetric boundary element method. <i>IMA Journal of Numerical Analysis</i> , 1994 , 14, 311-345	1.8	8
104	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	1.8	12
103	Implementation of a lattice method for numerical multiple integration. <i>ACM Transactions on Mathematical Software</i> , 1993 , 19, 523-545	2.3	13
102	A discrete method for the logarithmic-kernel integral equation on an open arc 1993 , 34, 401-418		4
101	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	2.2	60
100	Quasi-Monte Carlo Methods with Modified Vertex Weights 1993 , 253-265		3
99	On Computing the Lattice Rule Criterion R. <i>Mathematics of Computation</i> , 1992 , 59, 557	1.6	6
98	Quadrature methods for logarithmic-kernel integral equations on closed curves. <i>IMA Journal of Numerical Analysis</i> , 1992 , 12, 167-187	1.8	34
97	Imbedded Lattice Rules for Multidimensional Integration. <i>SIAM Journal on Numerical Analysis</i> , 1992 , 29, 1119-1135	2.4	23
96	Lattice Integration Rules of Maximal Rank Formed by Copying Rank 1 Rules. <i>SIAM Journal on Numerical Analysis</i> , 1992 , 29, 566-577	2.4	20
95	Collocation with Chebyshev polynomials for Symm's integral equation on an interval 1992 , 34, 199-211		16
94	Error analysis of boundary integral methods. <i>Acta Numerica</i> , 1992 , 1, 287-339	15.1	56
93	Pointwise convergence of multiple Fourier series: Sufficient conditions and an application to numerical integration. <i>Journal of Mathematical Analysis and Applications</i> , 1992 , 169, 140-156	1.1	3
92	Quadrature method for singular integral equations on closed curves. <i>Numerische Mathematik</i> , 1992 , 61, 543-559	2.2	10
91	An Unconventional Quadrature Method for Logarithmic-Kernel Integral Equations Equations on Closed Curves. <i>Journal of Integral Equations and Applications</i> , 1992 , 4,	1.2	16
90	Numerical Integration in High Dimensions [the Lattice Rule Approach 1992 , 55-69		6

89	On computing the lattice rule criterion $\$R\$$. <i>Mathematics of Computation</i> , 1992 , 59, 557-557	1.6	3
88	The numerical solution of first-kind logarithmic-kernel integral equations on smooth open arcs. <i>Mathematics of Computation</i> , 1991 , 56, 119-119	1.6	43
87	Error bounds for the method of good lattice points. <i>Mathematics of Computation</i> , 1991 , 56, 257-257	1.6	18
86	Properties of certain trigonometric series arising in numerical analysis. <i>Journal of Mathematical Analysis and Applications</i> , 1991 , 162, 371-380	1.1	17
85	Lattice rules for multiple integration and discrepancy. <i>Mathematics of Computation</i> , 1990 , 54, 303-303	1.6	9
84	A computer search of rank- $\$2\$$ lattice rules for multidimensional quadrature. <i>Mathematics of Computation</i> , 1990 , 54, 281-281	1.6	7
83	Spline quolocation methods for boundary integral equations. <i>Numerische Mathematik</i> , 1990 , 58, 537-567	2.2	52
82	Lattice rules: projection regularity and unique representations. <i>Mathematics of Computation</i> , 1990 , 54, 649-649	1.6	3
81	A Computer Search of Rank-2 Lattice Rules for Multidimensional Quadrature. <i>Mathematics of Computation</i> , 1990 , 54, 281	1.6	15
80	Extrapolation of the Iterated Collocation Method for Integral Equations of the Second Kind. <i>SIAM Journal on Numerical Analysis</i> , 1990 , 27, 1535-1541	2.4	35
79	Superconvergence 1990 , 35-70		20
78	Some Properties of Rank-2 Lattice Rules. <i>Mathematics of Computation</i> , 1989 , 53, 627	1.6	4
77	Mesh Grading for Integral Equations of the First Kind with Logarithmic Kernel. <i>SIAM Journal on Numerical Analysis</i> , 1989 , 26, 574-587	2.4	29
76	The representation of lattice quadrature rules as multiple sums. <i>Mathematics of Computation</i> , 1989 , 52, 81-81	1.6	31
75	Some properties of rank- $\$2\$$ lattice rules. <i>Mathematics of Computation</i> , 1989 , 53, 627-627	1.6	1
74	A Quadrature-Based Approach to Improving the Collocation Method for Splines of Even Degree. <i>Zeitschrift Fur Analysis Und Ihre Anwendung</i> , 1989 , 8, 361-376	0.8	26
73	A quadrature-based approach to improving the collocation method. <i>Numerische Mathematik</i> , 1988 , 54, 41-56	2.2	60
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