

Victor Dominguez

List of Publications by Year in descending order

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papers

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citations

933447

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all docs

32
docs citations

32
times ranked

203
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability and error estimates for Filon-Clenshaw-Curtis rules for highly oscillatory integrals. IMA Journal of Numerical Analysis, 2011, 31, 1253-1280.	2.9	89
2	A hybrid numerical-asymptotic boundary integral method for high-frequency acoustic scattering. Numerische Mathematik, 2007, 106, 471-510.	1.9	83
3	Filon-Clenshaw-Curtis Rules for Highly Oscillatory Integrals with Algebraic Singularities and Stationary Points. SIAM Journal on Numerical Analysis, 2013, 51, 1542-1566.	2.3	50
4	Some properties of layer potentials and boundary integral operators for the wave equation. Journal of Integral Equations and Applications, 2013, 25, .	0.6	25
5	Algorithm 884. ACM Transactions on Mathematical Software, 2008, 35, 1-11.	2.9	24
6	Filon-Clenshaw-Curtis rules for a class of highly-oscillatory integrals with logarithmic singularities. Journal of Computational and Applied Mathematics, 2014, 261, 299-319.	2.0	24
7	Convergence analysis of a high-order Nyström integral-equation method for surface scattering problems. Numerische Mathematik, 2013, 124, 603-645.	1.9	15
8	A Nyström flavored Calderón Calculus of order three for two dimensional waves, time-harmonic and transient. Computers and Mathematics With Applications, 2014, 67, 217-236.	2.7	13
9	Regularized Combined Field Integral Equations for Acoustic Transmission Problems. SIAM Journal on Applied Mathematics, 2015, 75, 929-952.	1.8	12
10	Well-posed boundary integral equation formulations and Nyström discretizations for the solution of Helmholtz transmission problems in two-dimensional Lipschitz domains. Journal of Integral Equations and Applications, 2016, 28, .	0.6	12
11	Periodic Dirac Delta Distributions in the Boundary Element Method. Advances in Computational Mathematics, 2002, 17, 211-236.	1.6	10
12	Dirac delta methods for Helmholtz transmission problems. Advances in Computational Mathematics, 2008, 28, 119-139.	1.6	10
13	A fully discrete Calderón calculus for the two-dimensional elastic wave equation. Computers and Mathematics With Applications, 2015, 69, 620-635.	2.7	10
14	High-order collocation and quadrature methods for some logarithmic kernel integral equations on open arcs. Journal of Computational and Applied Mathematics, 2003, 161, 145-159.	2.0	9
15	A BEM-FEM overlapping algorithm for the Stokes equation. Applied Mathematics and Computation, 2006, 182, 691-710.	2.2	9
16	An overlapping decomposition framework for wave propagation in heterogeneous and unbounded media: Formulation, analysis, algorithm, and simulation. Journal of Computational Physics, 2020, 403, 109052.	3.8	9
17	Full asymptotics of spline Petrov-Galerkin methods for some periodic pseudodifferential equations. Advances in Computational Mathematics, 2001, 14, 75-101.	1.6	7
18	Hilbert scales and Sobolev spaces defined by associated Legendre functions. Journal of Computational and Applied Mathematics, 2011, 235, 3481-3501.	2.0	6

#	ARTICLE	IF	CITATIONS
19	An Asymptotic Series Approach to Qualocation Methods. Journal of Integral Equations and Applications, 2003, 15, .	0.6	6
20	Local Expansions of Periodic Spline Interpolation with Some Applications. Mathematische Nachrichten, 2001, 227, 43-62.	0.8	5
21	Overlapped BEM-FEM for some Helmholtz transmission problems. Applied Numerical Mathematics, 2007, 57, 131-146.	2.1	5
22	Asymptotic properties of some triangulations of the sphere. Journal of Computational and Applied Mathematics, 2008, 211, 11-22.	2.0	5
23	Interpolation and cubature approximations and analysis for a class of wideband integrals on the sphere. Advances in Computational Mathematics, 2013, 39, 547-584.	1.6	4
24	Overlapped Bem-Fem and Some Schwarz Iterations. Computational Methods in Applied Mathematics, 2004, 4, 3-22.	0.8	4
25	An interior-exterior Schwarz algorithm and its convergence. Comptes Rendus Mathematique, 2002, 334, 923-926.	0.3	3
26	High-order Nyström discretizations for the solution of integral equation formulations of two-dimensional Helmholtz transmission problems. IMA Journal of Numerical Analysis, 2015, , drv010.	2.9	2
27	Adaptive numerical solution of a discontinuous Galerkin method for a Helmholtz problem in low-frequency regime. Journal of Computational and Applied Mathematics, 2016, 300, 312-340.	2.0	2
28	Analysis and application of an overlapped FEM-BEM for wave propagation in unbounded and heterogeneous media. Applied Numerical Mathematics, 2022, 171, 76-105.	2.1	2
29	A Nyström method for the two dimensional Helmholtz hypersingular equation. Advances in Computational Mathematics, 2014, 40, 1121-1157.	1.6	1
30	Recent progress in time domain boundary integral equations. Journal of Integral Equations and Applications, 2017, 29, .	0.6	1
31	High Order Nyström Methods for Transmission Problems for Helmholtz Equation. SEMA SIMAI Springer Series, 2016, , 261-285.	0.7	1
32	Sobolev estimates for constructive uniform-grid FFT interpolatory approximations of spherical functions. Advances in Computational Mathematics, 2016, 42, 843-887.	1.6	0