# Victor Dominguez

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 32<br>papers | 458<br>citations | 933447<br>10<br>h-index | 713466<br>21<br>g-index |
| 32<br>all docs | 32<br>docs citations | 32<br>times ranked | 203<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | 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 |
| 2 | 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 |
| 3 | Recent progress in time domain boundary integral equations. Journal of Integral Equations and Applications, 2017, 29, . | 0.6 | 1 |
| 4 | 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 |
| 5 | 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 |
| 6 | Sobolev estimates for constructive uniform-grid FFT interpolatory approximations of spherical functions. Advances in Computational Mathematics, 2016, 42, 843-887. | 1.6 | 0 |
| 7 | High Order Nyström Methods for Transmission Problems for Helmholtz Equation. SEMA SIMAI Springer Series, 2016, , 261-285. | 0.7 | 1 |
| 8 | 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 |
| 9 | Regularized Combined Field Integral Equations for Acoustic Transmission Problems. SIAM Journal on Applied Mathematics, 2015, 75, 929-952. | 1.8 | 12 |
| 10 | A fully discrete Calderón calculus for the two-dimensional elastic wave equation. Computers and Mathematics With Applications, 2015, 69, 620-635. | 2.7 | 10 |
| 11 | 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 |
| 12 | 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 |
| 13 | A Nyström method for the two dimensional Helmholtz hypersingular equation. Advances in Computational Mathematics, 2014, 40, 1121-1157. | 1.6 | 1 |
| 14 | Convergence analysis of a high-order Nyström integral-equation method for surface scattering problems. Numerische Mathematik, 2013, 124, 603-645. | 1.9 | 15 |
| 15 | 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 |
| 16 | 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 |
| 17 | Some properties of layer potentials and boundary integral operators for the wave equation. Journal of Integral Equations and Applications, 2013, 25, . | 0.6 | 25 |
| 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 | 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 |
| 20 | Dirac delta methods for Helmholtz transmission problems. Advances in Computational Mathematics, 2008, 28, 119-139. | 1.6 | 10 |
| 21 | Asymptotic properties of some triangulations of the sphere. Journal of Computational and Applied Mathematics, 2008, 211, 11-22. | 2.0 | 5 |
| 22 | Algorithm 884. ACM Transactions on Mathematical Software, 2008, 35, 1-11. | 2.9 | 24 |
| 23 | A hybrid numerical-asymptotic boundary integral method for high-frequency acoustic scattering. Numerische Mathematik, 2007, 106, 471-510. | 1.9 | 83 |
| 24 | Overlapped BEM–FEM for some Helmholtz transmission problems. Applied Numerical Mathematics, 2007, 57, 131-146. | 2.1 | 5 |
| 25 | A BEM–FEM overlapping algorithm for the Stokes equation. Applied Mathematics and Computation, 2006, 182, 691-710. | 2.2 | 9 |
| 26 | Overlapped Bem-Fem and Some Schwarz Iterations. Computational Methods in Applied Mathematics, 2004, 4, 3-22. | 0.8 | 4 |
| 27 | 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 |
| 28 | An Asymptotic Series Approach to Qualocation Methods. Journal of Integral Equations and Applications, 2003, 15, . | 0.6 | 6 |
| 29 | An interior–exterior Schwarz algorithm and its convergence. Comptes Rendus Mathematique, 2002, 334, 923-926. | 0.3 | 3 |
| 30 | Periodic Dirac Delta Distributions in the Boundary Element Method. Advances in Computational Mathematics, 2002, 17, 211-236. | 1.6 | 10 |
| 31 | Local Expansions of Periodic Spline Interpolation with Some Applications. Mathematische Nachrichten, 2001, 227, 43-62. | 0.8 | 5 |
| 32 | Full asymptotics of spline Petrov–Galerkin methods for some periodic pseudodifferential equations. Advances in Computational Mathematics, 2001, 14, 75-101. | 1.6 | 7 |