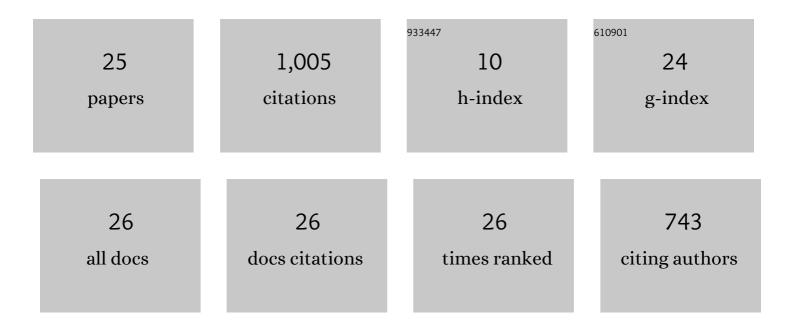
Victor M Calo

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Isogeometric analysis of the Cahn–Hilliard phase-field model. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 4333-4352.	6.6	514
2	lsogeometric analysis of the isothermal Navier–Stokes–Korteweg equations. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 1828-1840.	6.6	191
3	Mathematical modeling of coupled drug and drug-encapsulated nanoparticle transport in patient-specific coronary artery walls. Computational Mechanics, 2012, 49, 213-242.	4.0	86
4	Simulation of laminar and turbulent concentric pipe flows with the isogeometric variational multiscale method. Computers and Fluids, 2013, 71, 146-155.	2.5	29
5	Multiscale Modeling of Blood Flow: Coupling Finite Elements with Smoothed Dissipative Particle Dynamics. Procedia Computer Science, 2013, 18, 2565-2574.	2.0	26
6	The value of continuity: Refined isogeometric analysis and fast direct solvers. Computer Methods in Applied Mechanics and Engineering, 2017, 316, 586-605.	6.6	26
7	A survey on direct solvers for Galerkin methods. BoletÃn De La Sociedad EspaÑola De MatemÃŧica Aplicada, 2012, 57, 107-134.	0.9	21
8	Coupling Navier-stokes and Cahn-hilliard Equations in a Two-dimensional Annular flow Configuration. Procedia Computer Science, 2015, 51, 934-943.	2.0	20
9	Automatically adaptive, stabilized finite element method via residual minimization for heterogeneous, anisotropic advection–diffusion–reaction problems. Computer Methods in Applied Mechanics and Engineering, 2021, 385, 114027.	6.6	13
10	Refined Isogeometric Analysis for a preconditioned conjugate gradient solver. Computer Methods in Applied Mechanics and Engineering, 2018, 335, 490-509.	6.6	10
11	Time adaptivity in the diffusive wave approximation to the shallow water equations. Journal of Computational Science, 2013, 4, 152-156.	2.9	8
12	DGIRM: Discontinuous Galerkin based isogeometric residual minimization for the Stokes problem. Journal of Computational Science, 2021, 50, 101306.	2.9	8
13	Dendrite formation in rechargeable lithium-metal batteries: Phase-field modeling using open-source finite element library. Journal of Energy Storage, 2022, 53, 104892.	8.1	8
14	A spatio-temporal adaptive phase-field fracture method. Computer Methods in Applied Mechanics and Engineering, 2022, 392, 114675.	6.6	7
15	Diffusive Wave Approximation to the Shallow Water Equations: Computational Approach. Procedia Computer Science, 2011, 4, 1828-1833.	2.0	6
16	Refined isogeometric analysis for generalized Hermitian eigenproblems. Computer Methods in Applied Mechanics and Engineering, 2021, 381, 113823.	6.6	4
17	A Stable Discontinuous Galerkin Based Isogeometric Residual Minimization for the Stokes Problem. Lecture Notes in Computer Science, 2020, , 197-211.	1.3	4
18	Exploiting the Kronecker product structure of <i>φ</i> â^`functions in exponential integrators. International Journal for Numerical Methods in Engineering, 2022, 123, 2142-2161.	2.8	4

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#	Article	IF	CITATIONS
19	Multiscale Lattice Boltzmann Method for Flow Simulations in Highly Heterogenous Porous Media. , 2013, , .		3
20	Variational formulations for explicit Runge-Kutta Methods. Finite Elements in Analysis and Design, 2019, 165, 77-93.	3.2	3
21	Extended Larché–Cahn framework for reactive Cahn–Hilliard multicomponent systems. Continuum Mechanics and Thermodynamics, 2021, 33, 2391-2410.	2.2	3
22	Automatic Variationally Stable Analysis for FE Computations: An Introduction. Lecture Notes in Computational Science and Engineering, 2020, , 19-43.	0.3	3
23	Solving Nonlinear,ÂHigh-Order Partial Differential Equations Using a High-Performance Isogeometric Analysis Framework. Communications in Computer and Information Science, 2014, , 236-247.	0.5	3
24	Localized folding of thick layers. Journal of Structural Geology, 2022, 161, 104669.	2.3	3
25	High-order generalized-alpha method. Applications in Engineering Science, 2020, 4, 100021.	0.8	2