Jose A González

List of Publications by Year
in descending order

29	348	12	18
papers	citations	h-index	g-index

29	29	29	233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Partitioned formulation of contact–impact problems with stabilized contact constraints and reciprocal mass matrices. International Journal for Numerical Methods in Engineering, 2021, 122, 4609-4636.	2.8	2
2	Bi-penalty stabilized technique with predictor–corrector time scheme for contact-impact problems of elastic bars. Mathematics and Computers in Simulation, 2021, 189, 305-324.	4.4	4
3	Large-step explicit time integration via mass matrix tailoring. International Journal for Numerical Methods in Engineering, 2020, 121, 1647-1664.	2.8	5
4	Accelerating the convergence of AFETI partitioned analysis of heterogeneous structural dynamical systems. Computer Methods in Applied Mechanics and Engineering, 2020, 360, 112726.	6.6	4
5	Coupled fluid-solid thermal interaction modeling for efficient transient simulation of biphasic water-steam energy systems. Applied Mathematical Modelling, 2020, 79, 566-593.	4.2	2
6	Explicit multistep time integration for discontinuous elastic stress wave propagation in heterogeneous solids. International Journal for Numerical Methods in Engineering, 2019, 118, 276-302.	2.8	6
7	Inverse mass matrix for isogeometric explicit transient analysis via the method of localized Lagrange multipliers. International Journal for Numerical Methods in Engineering, 2019, 117, 939-966.	2.8	12
8	Watermills: The Origin of the Use of Renewable Hydraulic Energy in Spain. Industrial Archaeology Review, 2018, 40, 2-10.	0.2	4
9	Inverse mass matrix via the method of localized lagrange multipliers. International Journal for Numerical Methods in Engineering, 2018, 113, 277-295.	2.8	17
10	B-spline based finite element method in one-dimensional discontinuous elastic wave propagation. Applied Mathematical Modelling, 2017, 46, 382-395.	4.2	11
11	A coupled finite and boundary spectral element method for linear water-wave propagation problems. Applied Mathematical Modelling, 2017, 48, 1-20.	4.2	20
12	Stabilized mixed displacement–pressure finite element formulation for linear hydrodynamic problems with free surfaces. Computer Methods in Applied Mechanics and Engineering, 2017, 319, 314-337.	6.6	5
13	Efficient implementation of an explicit partitioned shear and longitudinal wave propagation algorithm. International Journal for Numerical Methods in Engineering, 2016, 107, 543-579.	2.8	7
14	Boundary element formulation of the Mild-Slope equation for harmonic water waves propagating over unidirectional variable bathymetries. Engineering Analysis With Boundary Elements, 2016, 62, 22-34.	3.7	16
15	Structural topology optimization of the transition piece for an offshore wind turbine with jacket foundation. Renewable Energy, 2016, 85, 1214-1225.	8.9	31
16	Partitioned solution strategies for coupled BEM–FEM acoustic fluid–structure interaction problems. Computers and Structures, 2015, 152, 45-58.	4.4	14
17	Partitioned analysis of flexible multibody systems using filtered linear finite element deformational modes. International Journal for Numerical Methods in Engineering, 2014, 99, 102-128.	2.8	2
18	Complex wavenumber Fourier analysis of the B-spline based finite element method. Wave Motion, 2014, 51, 348-359.	2.0	20

#	Article	IF	Citations
19	The nsBETI method: an extension of the FETI method to non‐symmetrical BEM‐FEM coupled problems. International Journal for Numerical Methods in Engineering, 2013, 93, 1015-1039.	2.8	6
20	Partitioned vibration analysis of internal fluid‐structure interaction problems. International Journal for Numerical Methods in Engineering, 2012, 92, 268-300.	2.8	21
21	A simple explicit‐implicit finite element tearing and interconnecting transient analysis algorithm. International Journal for Numerical Methods in Engineering, 2012, 89, 1203-1226.	2.8	13
22	A formulation based on localized Lagrange multipliers for BEM‐FEM coupling in contact problems. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 623-640.	6.6	29
23	FEM and BEM coupling in elastostatics using localized Lagrange multipliers. International Journal for Numerical Methods in Engineering, 2007, 69, 2058-2074.	2.8	20
24	Efficient stress evaluation of stationary viscoelastic rolling contact problems using the boundary element method: Application to viscoelastic coatings. Engineering Analysis With Boundary Elements, 2006, 30, 426-434.	3.7	12
25	Partitioned formulation of frictional contact problems using localized Lagrange multipliers. Communications in Numerical Methods in Engineering, 2005, 22, 319-333.	1.3	10
26	Linear viscoelastic boundary element formulation for steady state moving loads. Engineering Analysis With Boundary Elements, 2004, 28, 815-823.	3.7	11
27	Solving 2D transient rolling contact problems using the BEM and mathematical programming techniques. International Journal for Numerical Methods in Engineering, 2002, 53, 843-874.	2.8	24
28	An algorithm to solve coupled 2D rolling contact problems. International Journal for Numerical Methods in Engineering, 2000, 49, 1143-1167.	2.8	20
29	A Partitioned Formulation for FEM/BEM Coupling in Contact Problems Using Localized Lagrange Multipliers. Key Engineering Materials, 0, 618, 23-48.	0.4	0