

# Jose A González

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

348  
citations

759233

12  
h-index

839539

18  
g-index

29  
all docs

29  
docs citations

29  
times ranked

233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural topology optimization of the transition piece for an offshore wind turbine with jacket foundation. <i>Renewable Energy</i> , 2016, 85, 1214-1225.	8.9	31
2	A formulation based on localized Lagrange multipliers for BEM-FEM coupling in contact problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008, 197, 623-640.	6.6	29
3	Solving 2D transient rolling contact problems using the BEM and mathematical programming techniques. <i>International Journal for Numerical Methods in Engineering</i> , 2002, 53, 843-874.	2.8	24
4	Partitioned vibration analysis of internal fluid-structure interaction problems. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 92, 268-300.	2.8	21
5	An algorithm to solve coupled 2D rolling contact problems. <i>International Journal for Numerical Methods in Engineering</i> , 2000, 49, 1143-1167.	2.8	20
6	FEM and BEM coupling in elastostatics using localized Lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 2058-2074.	2.8	20
7	Complex wavenumber Fourier analysis of the B-spline based finite element method. <i>Wave Motion</i> , 2014, 51, 348-359.	2.0	20
8	A coupled finite and boundary spectral element method for linear water-wave propagation problems. <i>Applied Mathematical Modelling</i> , 2017, 48, 1-20.	4.2	20
9	Inverse mass matrix via the method of localized lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 113, 277-295.	2.8	17
10	Boundary element formulation of the Mild-Slope equation for harmonic water waves propagating over unidirectional variable bathymetries. <i>Engineering Analysis With Boundary Elements</i> , 2016, 62, 22-34.	3.7	16
11	Partitioned solution strategies for coupled BEM-FEM acoustic fluid-structure interaction problems. <i>Computers and Structures</i> , 2015, 152, 45-58.	4.4	14
12	A simple explicit-implicit finite element tearing and interconnecting transient analysis algorithm. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 89, 1203-1226.	2.8	13
13	Efficient stress evaluation of stationary viscoelastic rolling contact problems using the boundary element method: Application to viscoelastic coatings. <i>Engineering Analysis With Boundary Elements</i> , 2006, 30, 426-434.	3.7	12
14	Inverse mass matrix for isogeometric explicit transient analysis via the method of localized Lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 117, 939-966.	2.8	12
15	Linear viscoelastic boundary element formulation for steady state moving loads. <i>Engineering Analysis With Boundary Elements</i> , 2004, 28, 815-823.	3.7	11
16	B-spline based finite element method in one-dimensional discontinuous elastic wave propagation. <i>Applied Mathematical Modelling</i> , 2017, 46, 382-395.	4.2	11
17	Partitioned formulation of frictional contact problems using localized Lagrange multipliers. <i>Communications in Numerical Methods in Engineering</i> , 2005, 22, 319-333.	1.3	10
18	Efficient implementation of an explicit partitioned shear and longitudinal wave propagation algorithm. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 107, 543-579.	2.8	7

#	ARTICLE	IF	CITATIONS
19	The nsBETI method: an extension of the FETI method to non-symmetrical BEM-FEM coupled problems. <i>International Journal for Numerical Methods in Engineering</i> , 2013, 93, 1015-1039.	2.8	6
20	Explicit multistep time integration for discontinuous elastic stress wave propagation in heterogeneous solids. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 118, 276-302.	2.8	6
21	Stabilized mixed displacement-pressure finite element formulation for linear hydrodynamic problems with free surfaces. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 319, 314-337.	6.6	5
22	Large-step explicit time integration via mass matrix tailoring. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 1647-1664.	2.8	5
23	Watermills: The Origin of the Use of Renewable Hydraulic Energy in Spain. <i>Industrial Archaeology Review</i> , 2018, 40, 2-10.	0.2	4
24	Accelerating the convergence of AFETI partitioned analysis of heterogeneous structural dynamical systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 360, 112726.	6.6	4
25	Bi-penalty stabilized technique with predictor-corrector time scheme for contact-impact problems of elastic bars. <i>Mathematics and Computers in Simulation</i> , 2021, 189, 305-324.	4.4	4
26	Partitioned analysis of flexible multibody systems using filtered linear finite element deformational modes. <i>International Journal for Numerical Methods in Engineering</i> , 2014, 99, 102-128.	2.8	2
27	Coupled fluid-solid thermal interaction modeling for efficient transient simulation of biphasic water-steam energy systems. <i>Applied Mathematical Modelling</i> , 2020, 79, 566-593.	4.2	2
28	Partitioned formulation of contact-impact problems with stabilized contact constraints and reciprocal mass matrices. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 4609-4636.	2.8	2
29	A Partitioned Formulation for FEM/BEM Coupling in Contact Problems Using Localized Lagrange Multipliers. <i>Key Engineering Materials</i> , 0, 618, 23-48.	0.4	0