Jose Antonio Fontes Santiago

List of Publications by Year
in descending order

24 papers	219 citations	933410 10 h-index	1058452 14 g-index
25 all docs	25 docs citations	25 times ranked	165 citing authors

#	Article	IF	Citations
1	A parallel implementation strategy for meshless methods based on the functional programming paradigm. Advances in Engineering Software, 2021, 151, 102926.	3.8	0
2	An accurate Galerkin-BEM approach for the modeling of quasi-static viscoelastic problems. Engineering Analysis With Boundary Elements, 2021, 130, 94-108.	3.7	7
3	Optimization of Cathodic Protection Systems of Tank Bottoms Using Boundary Elements, Inverse Analysis, and Genetic Algorithm. Corrosion, 2020, 76, 1220-1227.	1.1	2
4	A study of meshless methods for optimization of cathodic protection systems. Engineering Analysis With Boundary Elements, 2019, 107, 233-242.	3.7	5
5	Application of the method of fundamental solutions to predict the acoustic performance of T-shaped thin barriers. Engineering Analysis With Boundary Elements, 2019, 99, 142-156.	3.7	7
6	Computational and experimental pore-scale studies of a carbonate rock sample. Journal of Hydrology and Hydromechanics, 2019, 67, 372-383.	2.0	8
7	A meshless Reissner plate bending procedure using local radial point interpolation with an efficient integration scheme. Engineering Analysis With Boundary Elements, 2019, 99, 46-59.	3.7	9
8	A new solution technique for cathodic protection systems with homogeneous region by the boundary element method. European Journal of Computational Mechanics, 2018, , 1-15.	0.6	5
9	Using the Gaussian function to simulate constant potential anodes in multiobjective optimization of cathodic protection systems. Engineering Analysis With Boundary Elements, 2016, 73, 35-41.	3.7	5
10	Three efficient numerical models to analyse the step problem in shallow water. Engineering Analysis With Boundary Elements, 2016, 62, 44-56.	3.7	0
11	An iterative coupling between meshless methods to solve embedded crack problems. Engineering Analysis With Boundary Elements, 2015, 55, 52-57.	3.7	8
12	Optimal positioning of anodes and virtual sources in the design of cathodic protection systems using the method of fundamental solutions. Engineering Analysis With Boundary Elements, 2014, 46, 67-74.	3.7	16
13	On a regularized method of fundamental solutions coupled with the numerical Green's function procedure to solve embedded crack problems. Engineering Analysis With Boundary Elements, 2013, 37, 1-7.	3.7	9
14	PREDICTION OF ACOUSTIC WAVE PROPAGATION IN A SHALLOW WATER CONFIGURATION USING THE METHOD OF FUNDAMENTAL SOLUTIONS. Journal of Computational Acoustics, 2012, 20, 1250013.	1.0	10
15	SOME OBSERVATIONS ON THE BEHAVIOR OF THE METHOD OF FUNDAMENTAL SOLUTIONS IN 3D ACOUSTIC PROBLEMS. International Journal of Computational Methods, 2012, 09, 1250049.	1.3	12
16	Efficient numerical models for the prediction of acoustic wave propagation in the vicinity of a wedge coastal region. Engineering Analysis With Boundary Elements, 2011, 35, 855-867.	3.7	14
17	Two-dimensional version of Sternberg and Al-Khozaie fundamental solution for viscoelastic analysis using the boundary element method. Engineering Analysis With Boundary Elements, 2011, 35, 836-844.	3.7	11
18	2.5D BEM modeling of underwater sound scattering in the presence of a slippage interface separating two flat layered regions. Wave Motion, 2010, 47, 676-692.	2.0	12

#	Article	IF	Citations
19	An efficient Green's function for acoustic waveguide problems. Communications in Numerical Methods in Engineering, 2006, 23, 703-719.	1.3	2
20	Modified Green's functions for shallow water acoustic wave propagation. Engineering Analysis With Boundary Elements, 2004, 28, 1375-1385.	3.7	15
21	Determination of the natural stress state in a Brazilian rock mass by back analysing excavation measurements: a case study. International Journal of Rock Mechanics and Minings Sciences, 2002, 39, 1005-1032.	5.8	12
22	A solution technique for cathodic protection with dynamic boundary conditions by the boundary element method. Advances in Engineering Software, 1999, 30, 663-671.	3.8	17
23	Design aspects of the underground structures of the Serra da Mesa Hydroelectric Power Plant. International Journal of Rock Mechanics and Minings Sciences, 1997, 34, 16.e1-16.e13.	5.8	13
24	ON BOUNDARY ELEMENTS FOR SIMULATION OF CATHODIC PROTECTION SYSTEMS WITH DYNAMIC POLARIZATION CURVES. International Journal for Numerical Methods in Engineering, 1997, 40, 2611-2627.	2.8	20