



Paulo Sollero

Artigos completos publicados em periódicos

1. GALVIS, ANDRES F. ; SANTOS-FLÓREZ, PEDRO A. ; **Sollero, Paulo** ; DE KONING, MAURICE ; WROBEL, LUIZ C. . Multiscale model of the role of grain boundary structures in the dynamic intergranular failure of polycrystal aggregates. COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, v. 362, p. 112868, 2020.
2. DE ALCÂNTARA, AMADEUS C. S. ; ASSIS, ISRAEL ; PRADA, DANIEL ; MEHLE, KONRAD ; SCHWAN, STEFAN ; COSTA-PAIVA, LUCIA ; SKAF, MUNIR S. ; WROBEL, LUIZ C. ; **Sollero, Paulo** . Patient-Specific Bone Multiscale Modelling, Fracture Simulation and Risk Analysis-A Survey. Materials, v. 13, p. 106-65, 2020.
3. SATO, MARCEL ; MOURA, LUCAS S. ; GALVIS, ANDRES F. ; ALBUQUERQUE, EDER L. ; **Sollero, Paulo** . Analysis of two-dimensional fatigue crack propagation in thin aluminum plates using the Paris law modified by a closure concept. ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, v. 106, p. 513-527, 2019.
4. RODRÍGUEZ, R.Q. ; MOURA, L.S. ; [GALVIS, A.F.](#) ; [Albuquerque, E.L.](#) ; TAN, C.L. ; **Sollero, P.** . Multi-scale dynamic failure analysis of 3D laminated composites using BEM and MCZM. ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, v. 104, p. 94-106, 2019.
5. PATIÑO-NARIÑO, EDGAR A. ; GALVIS, ANDRES F. ; **Sollero, Paulo** ; [Pavanello, Renato](#) ; MOSHKALEV, STANISLAV A. . A consistent multiphase SPH approximation for bubble rising with moderate Reynolds numbers. ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, v. 105, p. 1-19, 2019.
6. GALVIS, ANDRES F. ; RODRÍGUEZ, RENE Q. ; **Sollero, Paulo** . Dynamic analysis of three-dimensional polycrystalline materials using the boundary element method. COMPUTERS & STRUCTURES, v. 200, p. 11-20, 2018.
7. GALVIS, ANDRES F. ; RODRÍGUEZ, RENE Q. ; **Sollero, Paulo** . Analysis of three-dimensional hexagonal and cubic polycrystals using the boundary element method. MECHANICS OF MATERIALS, v. 117, p. 58-72, 2018.
8. ALVAREZ, JUAN E. ; GALVIS, ANDRES F. ; **Sollero, Paulo** . Multiscale dynamic transition of 2D metallic materials using the boundary element method. COMPUTATIONAL MATERIALS SCIENCE, v. 155, p. 383-392, 2018.
9. RODRÍGUEZ, R. Q. ; [GALVIS, A. F.](#) ; **Sollero, P.** ; TAN, C. L. ; [ALBUQUERQUE, E. L.](#) . Transient dynamic analysis of generally anisotropic materials using the boundary element method. ACTA MECHANICA, v. 229, p. 1893-1910, 2018.
10. PRADA, D. M. ; [GALVIS, A. F.](#) ; ALCÂNTARA, A. C. ; **Sollero, P.** . 3D Boundary element meshing for multiscale bone anisotropic analysis. Revue Européenne de Mécanique Numérique, v. 27, p. 1-18, 2018.
11. CAVALCANTE, B.M. ; SHATERZADEH-YAZDI, M.H. ; **Sollero, P.** ; Albuquerque, E.L. ; DOCA, T. . Analysis of a Cattaneo-Mindlin problem using the boundary element method. TRIBOLOGY INTERNATIONAL, v. 108, p. 194-201, 2017.
12. RODRIGUEZ, R. Q. ; Galvis, A F ; **Sollero, P.** ; TAN, C. L. ; Albuquerque, E.L. . Fast BEM multi-domain approach for the elastostatic analysis of short fibre composites. European Journal of Computational

Mechanics, v. 26, p. 525-540-540, 2017.

13. RODRIGUEZ, A. F. G. ; **Sollero P** . 2D analysis of intergranular dynamic crack propagation in polycrystalline materials a multiscale cohesive zone model and dual reciprocity boundary elements. COMPUTERS & STRUCTURES, v. 164, p. 1-14, 2016.
14. GALVIS, A.F. ; **Sollero, P.** . Boundary Element Analysis of Crack Problems in Polycrystalline Materials. Procedia Materials Science, v. 3, p. 1928-1933, 2014.
15. RODRIGUEZ, R. Q. ; TAN, C. L. ; **Sollero P** ; ALBUQUERQUE, E. L. . Analysis of 3D Anisotropic Solids Using Fundamental Solutions Based on Fourier Series and the Adaptive Cross Approximation Method. CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, v. 102, p. 359-372, 2014.