

# Paulo Sollero

## List of Publications by Year in descending order

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26  
papers

633  
citations

687363

13  
h-index

580821

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times ranked

370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Devising Bone Molecular Models at the Nanoscale: From Usual Mineralized Collagen Fibrils to the First Bone Fibers Including Hydroxyapatite in the Extra-Fibrillar Volume. <i>Materials</i> , 2022, 15, 2274.	2.9	4
2	A fully dynamic bridging approach for modeling the intergranular failure mechanisms in 2D polycrystalline materials. <i>Mechanics of Materials</i> , 2021, 159, 103920.	3.2	4
3	BESLE: Boundary element software for 3D linear elasticity. <i>Computer Physics Communications</i> , 2021, 265, 108009.	7.5	3
4	Patient-Specific Bone Multiscale Modelling, Fracture Simulation and Risk Analysis—A Survey. <i>Materials</i> , 2020, 13, 106.	2.9	10
5	Multiscale model of the role of grain boundary structures in the dynamic intergranular failure of polycrystal aggregates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 362, 112868.	6.6	7
6	Analysis of two-dimensional fatigue crack propagation in thin aluminum plates using the Paris law modified by a closure concept. <i>Engineering Analysis With Boundary Elements</i> , 2019, 106, 513-527.	3.7	9
7	A consistent multiphase SPH approximation for bubble rising with moderate Reynolds numbers. <i>Engineering Analysis With Boundary Elements</i> , 2019, 105, 1-19.	3.7	9
8	Dynamic analysis of three-dimensional polycrystalline materials using the boundary element method. <i>Computers and Structures</i> , 2018, 200, 11-20.	4.4	9
9	Analysis of three-dimensional hexagonal and cubic polycrystals using the boundary element method. <i>Mechanics of Materials</i> , 2018, 117, 58-72.	3.2	11
10	Multiscale dynamic transition of 2D metallic materials using the boundary element method. <i>Computational Materials Science</i> , 2018, 155, 383-392.	3.0	5
11	2D analysis of intergranular dynamic crack propagation in polycrystalline materials a multiscale cohesive zone model and dual reciprocity boundary elements. <i>Computers and Structures</i> , 2016, 164, 1-14.	4.4	21
12	Structural shape optimization of bonded joints using the ESO method and a honeycomb-like mesh. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 1451-1466.	2.6	4
13	Harmonic analysis of shear deformable orthotropic cracked plates using the Boundary Element Method. <i>Engineering Analysis With Boundary Elements</i> , 2012, 36, 1528-1535.	3.7	15
14	Failure criteria for adhesively bonded joints. <i>International Journal of Adhesion and Adhesives</i> , 2012, 37, 26-36.	2.9	47
15	Computation of moments and stresses in laminated composite plates by the boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 105-113.	3.7	21
16	Modal analysis of anisotropic plates using the boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 1248-1255.	3.7	14
17	Boundary element analysis of anisotropic Kirchhoff plates. <i>International Journal of Solids and Structures</i> , 2006, 43, 4029-4046.	2.7	44
18	Predictive Modeling of Crack Propagation Using the Boundary Element Method. , 2005, , 75-90.		0

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19	Dual boundary element method for anisotropic dynamic fracture mechanics. International Journal for Numerical Methods in Engineering, 2004, 59, 1187-1205.	2.8	45
20	Dual reciprocity boundary element method in Laplace domain applied to anisotropic dynamic crack problems. Computers and Structures, 2003, 81, 1703-1713.	4.4	37
21	Free vibration analysis of anisotropic material structures using the boundary element method. Engineering Analysis With Boundary Elements, 2003, 27, 977-985.	3.7	24
22	The boundary element method applied to time dependent problems in anisotropic materials. International Journal of Solids and Structures, 2002, 39, 1405-1422.	2.7	56
23	Crack growth analysis in homogeneous orthotropic laminates. Composites Science and Technology, 1998, 58, 1697-1703.	7.8	57
24	Anisotropic analysis of cracks in composite laminates using the dual boundary element method. Composite Structures, 1995, 31, 229-233.	5.8	61
25	Anisotropic analysis of cracks emanating from circular holes in composite laminates using the boundary element method. Engineering Fracture Mechanics, 1994, 49, 213-224.	4.3	29
26	Fracture mechanics analysis of anisotropic plates by the boundary element method. International Journal of Fracture, 1993, 64, 269-284.	2.2	87