

# Joao Barbosa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7105565/publications.pdf>

Version: 2024-02-01

14  
papers

250  
citations

1162367

8  
h-index

1199166

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perfectly matched layers in the thin layer method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012, 217-220, 262-274.	3.4	47
2	The thin-layer method in a cross-anisotropic 3D space. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 89, 537-560.	1.5	45
3	The use of sub-modelling technique to calculate vibration in buildings from underground railways. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2015, 229, 303-314.	1.3	33
4	Vortex-induced vibrations of a freely vibrating cylinder near a plane boundary: Experimental investigation and theoretical modelling. <i>Journal of Fluids and Structures</i> , 2017, 69, 382-401.	1.5	33
5	PMLs: A direct approach. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 90, 343-352.	1.5	30
6	Abatement of railway induced vibrations: Numerical comparison of trench solutions. <i>Engineering Analysis With Boundary Elements</i> , 2015, 55, 122-139.	2.0	19
7	Oscillations of spectral lines in a layered medium. <i>Wave Motion</i> , 2015, 56, 22-42.	1.0	14
8	The influence of level ice on the frequency domain response of floaters. <i>Cold Regions Science and Technology</i> , 2017, 143, 112-125.	1.6	8
9	Dynamic response of an infinite beam periodically supported by sleepers resting on a regular and infinite lattice: Semi-analytical solution. <i>Journal of Sound and Vibration</i> , 2019, 458, 276-302.	2.1	8
10	Formulation of the boundary element method in the wavenumber-frequency domain based on the thin layer method. <i>Computers and Structures</i> , 2015, 161, 1-16.	2.4	6
11	Modelling ballast via a non-linear lattice to assess its compaction behaviour at railway transition zones. <i>Journal of Sound and Vibration</i> , 2022, 530, 116942.	2.1	4
12	A lattice model for transition zones in ballasted railway tracks. <i>Journal of Sound and Vibration</i> , 2021, 494, 115840.	2.1	3
13	Dynamic solution of a discontinuous floating-slab track subjected to moving loads. , 2014, , .		0
14	Analysis of embankment underlain by elastic half-space: 2.5D model with paralongitudinal approximations to the half-space. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 155, 107090.	1.9	0