

Antonio Tadeu

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170
papers

1,993
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23
h-index

33
g-index

207
ext. papers

2,256
ext. citations

3.4
avg, IF

5.21
L-index

#	Paper	IF	Citations
170	Green's Functions for Two-and-a-Half-Dimensional Elastodynamic Problems. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 1093-1097	2.4	90
169	Sound transmission through single, double and triple glazing. Experimental evaluation. <i>Applied Acoustics</i> , 2001 , 62, 307-325	3.1	80
168	Energy retrofit of historic buildings: Environmental assessment of cost-optimal solutions. <i>Journal of Building Engineering</i> , 2015 , 4, 167-176	5.2	60
167	Closed-form integration of singular terms for constant, linear and quadratic boundary elements. Part 1. SH wave propagation. <i>Engineering Analysis With Boundary Elements</i> , 1999 , 23, 671-681	2.6	50
166	Analytical evaluation of the acoustic insulation provided by double infinite walls. <i>Journal of Sound and Vibration</i> , 2003 , 263, 113-129	3.9	47
165	A comparison between cost optimality and return on investment for energy retrofit in buildings-A real options perspective. <i>Sustainable Cities and Society</i> , 2016 , 21, 12-25	10.1	45
164	Lightweight screed containing cork granules: Mechanical and hygrothermal characterization. <i>Cement and Concrete Composites</i> , 2014 , 49, 1-8	8.6	44
163	Application of rice husk in the development of new composite boards. <i>Construction and Building Materials</i> , 2018 , 176, 432-439	6.7	43
162	Sound insulation provided by single and double panel walls—comparison of analytical solutions versus experimental results. <i>Applied Acoustics</i> , 2004 , 65, 15-29	3.1	41
161	ACOUSTIC INSULATION OF SINGLE PANEL WALLS PROVIDED BY ANALYTICAL EXPRESSIONS VERSUS THE MASS LAW. <i>Journal of Sound and Vibration</i> , 2002 , 257, 457-475	3.9	38
160	Closed-form integration of singular terms for constant, linear and quadratic boundary elements. Part 2. SV-P wave propagation. <i>Engineering Analysis With Boundary Elements</i> , 1999 , 23, 757-768	2.6	38
159	Thermal performance and cost analysis of mortars made with PCM and different binders. <i>Construction and Building Materials</i> , 2016 , 122, 637-648	6.7	36
158	Singular boundary method for transient convection-diffusion problems with time-dependent fundamental solution. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 114, 1126-1134	4.9	34
157	Green's function for two-and-a-half dimensional elastodynamic problems in a half-space. <i>Computational Mechanics</i> , 2001 , 27, 484-491	4	34
156	Mortars based in different binders with incorporation of phase-change materials: Physical and mechanical properties. <i>European Journal of Environmental and Civil Engineering</i> , 2015 , 19, 1216-1233	1.5	32
155	Simulation of dynamic linear thermal bridges using a boundary element method model in the frequency domain. <i>Energy and Buildings</i> , 2011 , 43, 3685-3695	7	29
154	Scattering of waves by subterranean structures via the boundary element method. <i>Soil Dynamics and Earthquake Engineering</i> , 1996 , 15, 387-397	3.5	28

153	A three-dimensional acoustics model using the method of fundamental solutions. <i>Engineering Analysis With Boundary Elements</i> , 2008 , 32, 525-531	2.6	25
152	Numerical Simulation of Ground Rotations along 2D Topographical Profiles under the Incidence of Elastic Plane Waves. <i>Bulletin of the Seismological Society of America</i> , 2009 , 99, 1147-1161	2.3	24
151	Prediction of airborne sound and impact sound insulation provided by single and multilayer systems using analytical expressions. <i>Applied Acoustics</i> , 2007 , 68, 17-42	3.1	24
150	Mechanical, thermal and acoustic behaviour of polymer-based composite materials produced with rice husk and expanded cork by-products. <i>Construction and Building Materials</i> , 2020 , 239, 117851	6.7	24
149	Three-dimensional fundamental solutions for transient heat transfer by conduction in an unbounded medium, half-space, slab and layered media. <i>Engineering Analysis With Boundary Elements</i> , 2006 , 30, 338-349	2.6	23
148	3D sound scattering by rigid barriers in the vicinity of tall buildings. <i>Applied Acoustics</i> , 2001 , 62, 1229-1248	2.1	23
147	BEM numerical simulation of coupled heat, air and moisture flow through a multilayered porous solid. <i>Engineering Analysis With Boundary Elements</i> , 2017 , 74, 24-33	2.6	22
146	Use of constant, linear and quadratic boundary elements in 3D wave diffraction analysis. <i>Engineering Analysis With Boundary Elements</i> , 2000 , 24, 131-144	2.6	22
145	Modelling of acoustic and elastic wave propagation from underground structures using a 2.5D BEM-FEM approach. <i>Engineering Analysis With Boundary Elements</i> , 2017 , 76, 26-39	2.6	20
144	Influence of Adding Encapsulated Phase Change Materials in Aerial Lime Based Mortars. <i>Advanced Materials Research</i> , 2013 , 687, 255-261	0.5	20
143	Characterisation of sustainable building walls made from rice straw bales. <i>Journal of Building Engineering</i> , 2020 , 28, 101041	5.2	20
142	Influence of the Type of Phase Change Materials Microcapsules on the Properties of Lime-Gypsum Thermal Mortars. <i>Advanced Engineering Materials</i> , 2014 , 16, 433-441	3.5	19
141	Thermal delay simulation in multilayer systems using analytical solutions. <i>Energy and Buildings</i> , 2012 , 49, 631-639	7	19
140	Defining an accurate MFS solution for 2.5D acoustic and elastic wave propagation. <i>Engineering Analysis With Boundary Elements</i> , 2009 , 33, 1383-1395	2.6	19
139	3D scattering of waves by a cylindrical irregular cavity of infinite length in a homogeneous elastic medium. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002 , 191, 3015-3033	5.7	19
138	The simulation of 3D elastic scattering produced by thin rigid inclusions using the traction boundary element method. <i>Computers and Structures</i> , 2006 , 84, 2244-2253	4.5	18
137	Wave propagation in the presence of empty cracks in an elastic medium. <i>Computational Mechanics</i> , 2006 , 38, 183-199	4	18
136	3D transient heat conduction in multilayer systems – Experimental validation of semi-analytical solution. <i>International Journal of Thermal Sciences</i> , 2012 , 57, 192-203	4.1	17

135	Fundamental solutions for transient heat transfer by conduction and convection in an unbounded, half-space, slab and layered media in the frequency domain. <i>Engineering Analysis With Boundary Elements</i> , 2005 , 29, 1130-1142	2.6	17
134	Drainage and water storage capacity of insulation cork board applied as a layer on green roofs. <i>Construction and Building Materials</i> , 2019 , 209, 52-65	6.7	16
133	Influence of a period of wet weather on the heat transfer across a wall covered with uncoated medium density expanded cork. <i>Energy and Buildings</i> , 2018 , 165, 118-131	7	16
132	Thermal delay provided by floors containing layers that incorporate expanded cork granule waste. <i>Energy and Buildings</i> , 2014 , 68, 611-619	7	16
131	Coupling the BEM/TBEM and the MFS for the numerical simulation of acoustic wave propagation. <i>Engineering Analysis With Boundary Elements</i> , 2010 , 34, 405-416	2.6	16
130	Sound pressure level attenuation provided by thin rigid screens coupled to tall buildings. <i>Journal of Sound and Vibration</i> , 2007 , 304, 479-496	3.9	16
129	Sound propagation around rigid barriers laterally confined by tall buildings. <i>Applied Acoustics</i> , 2002 , 63, 595-609	3.1	16
128	3-D wave propagation in fluid-filled irregular boreholes in elastic formations. <i>Soil Dynamics and Earthquake Engineering</i> , 2001 , 21, 499-517	3.5	16
127	Performance of the BEM solution in 3D acoustic wave scattering. <i>Advances in Engineering Software</i> , 2001 , 32, 629-639	3.6	16
126	Three-dimensional wave scattering by a fixed cylindrical inclusion submerged in a fluid medium. <i>Engineering Analysis With Boundary Elements</i> , 1999 , 23, 745-755	2.6	16
125	Transient heat conduction under nonzero initial conditions: A solution using the boundary element method in the frequency domain. <i>Engineering Analysis With Boundary Elements</i> , 2012 , 36, 562-567	2.6	15
124	2.5D coupled BEM-BEM used to model fluid and solid scattering wave. <i>International Journal for Numerical Methods in Engineering</i> , 2015 , 101, 148-164	2.4	15
123	Heat conduction across double brick walls via BEM. <i>Building and Environment</i> , 2004 , 39, 51-58	6.5	15
122	Wave propagation in cracked elastic slabs and half-space domains-BEM and MFS approaches. <i>Engineering Analysis With Boundary Elements</i> , 2007 , 31, 819-835	2.6	14
121	Study of transient heat conduction in 2.5D domains using the boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2004 , 28, 593-606	2.6	14
120	High-Temperature Compressive Strength of Steel Fiber High-Strength Concrete. <i>Journal of Materials in Civil Engineering</i> , 2001 , 13, 230-234	3	14
119	Uncoated medium density expanded cork boards for building façades and roofs: Mechanical, hygrothermal and durability characterization. <i>Construction and Building Materials</i> , 2019 , 200, 447-464	6.7	14
118	Thermal behaviour of a green roof containing insulation cork board. An experimental characterization using a bioclimatic chamber. <i>Building and Environment</i> , 2019 , 160, 106179	6.5	13

117	Impact sound transmission provided by concrete layers incorporating cork granules. <i>Noise Control Engineering Journal</i> , 2013 , 61, 458-468	0.6	13
116	3D seismic response of a limited valley via BEM using 2.5D analytical Green's functions for an infinite free-rigid layer. <i>Soil Dynamics and Earthquake Engineering</i> , 2002 , 22, 659-673	3.5	13
115	3D acoustic scattering from an irregular fluid waveguide via the BEM. <i>Engineering Analysis With Boundary Elements</i> , 2001 , 25, 443-453	2.6	13
114	Coupled BEM-MLPG acoustic analysis for non-homogeneous media. <i>Engineering Analysis With Boundary Elements</i> , 2014 , 44, 161-169	2.6	12
113	Scattering of acoustic waves by movable lightweight elastic screens. <i>Engineering Analysis With Boundary Elements</i> , 2003 , 27, 215-226	2.6	12
112	Acoustic analysis of heterogeneous domains coupling the BEM with Kansa's method. <i>Engineering Analysis With Boundary Elements</i> , 2012 , 36, 1014-1026	2.6	11
111	Simulation of sound absorption in 2D thin elements using a coupled BEM/TBEM formulation in the presence of fixed and moving 3D sources. <i>Journal of Sound and Vibration</i> , 2012 , 331, 2386-2403	3.9	11
110	3D elastic wave propagation modelling in the presence of 2D fluid-filled thin inclusions. <i>Engineering Analysis With Boundary Elements</i> , 2006 , 30, 176-193	2.6	11
109	Heat transfer measurements of a linear thermal bridge in a wooden building corner. <i>Energy and Buildings</i> , 2018 , 158, 194-208	7	10
108	Water retention and drainage capability of expanded cork agglomerate boards intended for application in green vertical systems. <i>Construction and Building Materials</i> , 2019 , 224, 439-446	6.7	10
107	Mortars with Phase Change Materials - Part I: Physical and Mechanical Characterization. <i>Key Engineering Materials</i> , 2014 , 634, 22-32	0.4	10
106	A Boundary Meshless Method for Solving Heat Transfer Problems Using the Fourier Transform. <i>Advances in Applied Mathematics and Mechanics</i> , 2011 , 3, 572-585	2.1	10
105	Transient conduction and convection heat transfer across a multi-layer floor subjected to multiple heat sources. <i>Building and Environment</i> , 2006 , 41, 1299-1310	6.5	10
104	Boundary element method analyses of transient heat conduction in an unbounded solid layer containing inclusions. <i>Computational Mechanics</i> , 2004 , 34, 99	4	10
103	ACOUSTIC INSULATION PROVIDED BY A SINGLE WALL SEPARATING TWO CONTIGUOUS TUNNELS VIA BEM. <i>Journal of Sound and Vibration</i> , 2002 , 257, 945-965	3.9	10
102	Wave motion between two fluid-filled boreholes in an elastic medium. <i>Engineering Analysis With Boundary Elements</i> , 2002 , 26, 101-117	2.6	10
101	Green's functions for 2.5D elastodynamic problems in a free solid layer formation. <i>Engineering Structures</i> , 2002 , 24, 491-499	4.7	10
100	3D scattering by multiple cylindrical cavities buried in an elastic formation. <i>European Journal of Mechanics, A/Solids</i> , 2001 , 20, 367-383	3.7	10

99	Vibro-acoustic behaviour of polymer-based composite materials produced with rice husk and recycled rubber granules. <i>Construction and Building Materials</i> , 2020 , 264, 120221	6.7	10
98	Innovative module of expanded cork agglomerate for green vertical systems. <i>Building and Environment</i> , 2021 , 188, 107461	6.5	10
97	Transient simulation of coupled heat and moisture flow through a multi-layer porous solid exposed to solar heat flux. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 117, 273-279	4.9	9
96	Simulation of heat and moisture flow through walls covered with uncoated medium density expanded cork. <i>Building and Environment</i> , 2018 , 142, 195-210	6.5	9
95	BEM numerical simulation of coupled heat and moisture flow through a porous solid. <i>Engineering Analysis With Boundary Elements</i> , 2014 , 40, 154-161	2.6	9
94	Coupling of the BEM with the MFS for the numerical simulation of frequency domain 2-D elastic wave propagation in the presence of elastic inclusions and cracks. <i>Engineering Analysis With Boundary Elements</i> , 2012 , 36, 169-180	2.6	9
93	2.5D BEM modeling of underwater sound scattering in the presence of a slippage interface separating two flat layered regions. <i>Wave Motion</i> , 2010 , 47, 676-692	1.8	9
92	A 2.5D TRACTION BOUNDARY ELEMENT METHOD FORMULATION APPLIED TO THE STUDY OF WAVE PROPAGATION IN A FLUID LAYER HOSTING A THIN RIGID BODY. <i>Journal of Computational Acoustics</i> , 2008 , 16, 177-198		9
91	Heat transfer modeling using analytical solutions for infrared thermography applications in multilayered buildings systems. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 115, 471-478	4.9	8
90	Experimental validation of a frequency domain BEM model to study 2D and 3D heat transfer by conduction. <i>Engineering Analysis With Boundary Elements</i> , 2012 , 36, 1686-1698	2.6	8
89	Dynamic analysis of submerged fluid-filled pipelines subjected to a point pressure load. <i>Journal of Sound and Vibration</i> , 2004 , 271, 257-277	3.9	8
88	Assessing the effect of a barrier between two rooms subjected to low frequency sound using the boundary element method. <i>Applied Acoustics</i> , 2003 , 64, 287-310	3.1	8
87	A note on the acoustic insulation between two-dimensional acoustic spaces at low frequencies. <i>Journal of Sound and Vibration</i> , 2003 , 261, 185-191	3.9	8
86	Wave scattering by infinite cylindrical shell structures submerged in a fluid medium. <i>Wave Motion</i> , 2003 , 38, 131-149	1.8	8
85	In-Situ Thermal Resistance Evaluation of Walls Using an Iterative Dynamic Model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 67, 33-51	2.3	7
84	Comparison between cork-based and conventional green roof solutions. <i>Building and Environment</i> , 2020 , 175, 106812	6.5	7
83	A sensitivity analysis of a cost optimality study on the energy retrofit of a single-family reference building in Portugal. <i>Energy Efficiency</i> , 2018 , 11, 1411-1432	3	7
82	3D acoustic wave simulation using BEM formulations: Closed form integration of singular and hypersingular integrals. <i>Engineering Analysis With Boundary Elements</i> , 2012 , 36, 1389-1396	2.6	7

81	Steady-state moisture diffusion in curved walls, in the absence of condensate flow, via the BEM: a practical Civil Engineering approach (Glaser method). <i>Building and Environment</i> , 2003 , 38, 677-688	6.5	7
80	The use of monopole and dipole sources in crosswell surveying. <i>Journal of Applied Geophysics</i> , 2004 , 56, 231-245	1.7	7
79	2.5D scattering of waves by rigid inclusions buried under a fluid channel via BEM. <i>European Journal of Mechanics, A/Solids</i> , 2005 , 24, 957-973	3.7	7
78	Closed Form Integration of Singular and Hypersingular Integrals in 3D BEM Formulations for Heat Conduction. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-21	1.1	6
77	Conduction and convection phenomena through a slab with thermal heterogeneities. <i>Applied Mathematical Modelling</i> , 2007 , 31, 1444-1459	4.5	6
76	The scattering of 3D sound sources by rigid barriers in the vicinity of tall buildings. <i>Engineering Analysis With Boundary Elements</i> , 2002 , 26, 781-787	2.6	6
75	Influence of the cross-section geometry of a cylindrical solid submerged in an acoustic medium on wave propagation. <i>Wave Motion</i> , 2002 , 36, 23-39	1.8	6
74	3D heat diffusion simulation using 3D and 1D heat sources – Temperature and phase contrast results for defect detection using IRT. <i>Applied Mathematical Modelling</i> , 2016 , 40, 1576-1587	4.5	5
73	Modeling elastic wave propagation in fluid-filled boreholes drilled in nonhomogeneous media: BEM-MLPG versus BEM-FEM coupling. <i>Engineering Analysis With Boundary Elements</i> , 2017 , 81, 1-11	2.6	5
72	Dynamic simulation of three-dimensional heat conduction through cylindrical inclusions using a BEM model formulated in the frequency domain. <i>Applied Mathematics and Computation</i> , 2015 , 261, 397-407	2.7	5
71	Transient numerical simulation of coupled heat and moisture flow through a green roof. <i>Engineering Analysis With Boundary Elements</i> , 2018 , 95, 53-68	2.6	5
70	Application of 3D heat diffusion to detect embedded 3D empty cracks. <i>Applied Thermal Engineering</i> , 2013 , 61, 596-605	5.8	5
69	ACOUSTIC INSERTION LOSS PROVIDED BY RIGID ACOUSTIC BARRIERS OF DIFFERENT SHAPES. <i>Journal of Computational Acoustics</i> , 2003 , 11, 503-519		5
68	Amplification of elastic waves due to a point source in the presence of complex surface topography. <i>Computers and Structures</i> , 2001 , 79, 1697-1712	4.5	5
67	Evaluation of adhesive bonding of ceramic tiles using active thermography 2012 ,		5
66	A Perspective on the Development of Sustainable Construction Products: An Eco-Design Approach. <i>International Journal of Sustainable Development and Planning</i> , 2017 , 12, 304-314	2	5
65	Numerical and Experimental Evaluation of the Drying Behaviour of Medium Density Expanded Cork Boards used as an External Coating. <i>International Journal of Sustainable Development and Planning</i> , 2017 , 12, 315-325	2	5
64	Ranking procedure based on mechanical, durability and thermal behavior of mortars with incorporation of phase change materials. <i>Materiales De Construccion</i> , 2015 , 65, e068	1.8	5

63	Environmental performance of a cork-based modular living wall from a life-cycle perspective. <i>Building and Environment</i> , 2021 , 191, 107614	6.5	5
62	Experimental study of expanded cork agglomerate blocks – Compressive creep behavior and dynamic performance. <i>Construction and Building Materials</i> , 2018 , 181, 551-564	6.7	5
61	On the formulation of a BEM in the Bernstein space for the solution of Helmholtz equation. <i>Applied Mathematical Modelling</i> , 2019 , 74, 301-319	4.5	4
60	2.5D elastic wave propagation in non-homogeneous media coupling the BEM and MLPG methods. <i>Engineering Analysis With Boundary Elements</i> , 2015 , 53, 86-99	2.6	4
59	Meshless analysis of piezoelectric sensor embedded in composite floor panel. <i>Journal of Intelligent Material Systems and Structures</i> , 2015 , 26, 2092-2107	2.3	4
58	Analytical Evaluation of the Acoustic Behavior of Multilayer Walls When Subjected to Three-Dimensional and Moving 2.5-Dimensional Loads. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013 , 135,	1.6	4
57	Simulation of the 3D Sound Pressure Level Inside Closed Absorbing Acoustic Rooms Bounded by Non-Parallel Floor and Ceiling Surfaces, and Parallel Sidewalls. <i>Acta Acustica United With Acustica</i> , 2012 , 98, 894-906	1.5	4
56	Simulation of Wave Propagation in a Fluid-Filled Borehole Embedded in a Cracked Medium Using a Coupled BEM/TBEM Formulation. <i>Bulletin of the Seismological Society of America</i> , 2009 , 99, 3326-3339	2.3	4
55	Scattering of seismic waves generated by an irregular seabed. <i>Computers and Structures</i> , 2004 , 82, 1793-1804	1.9	4
54	DYNAMIC RESPONSE OF A THREE-DIMENSIONAL FLUID CHANNEL BOUNDED BY AN ELASTIC FLOOR IN THE PRESENCE OF A SUBMERGED INCLUSION VIA BEM. <i>Journal of Computational Acoustics</i> , 2005 , 13, 203-227		4
53	ACOUSTIC SCATTERING FROM A 2-D FLUID WAVEGUIDE WITH AN IRREGULAR FLOOR VIA THE BEM. <i>Journal of Computational Acoustics</i> , 2001 , 09, 367-380		4
52	Meshless analysis of soil-structure interaction using an MFS-MLPG coupled approach. <i>Engineering Analysis With Boundary Elements</i> , 2015 , 55, 80-92	2.6	3
51	An accurate treatment of non-homogeneous boundary conditions for development of the BEM. <i>Engineering Analysis With Boundary Elements</i> , 2020 , 116, 93-101	2.6	3
50	Boundary element method simulation of 3D heat diffusion in defective layered media for IRT building applications. <i>Engineering Analysis With Boundary Elements</i> , 2017 , 81, 44-52	2.6	3
49	Experimental Validation of Numerical Solutions Using the Explicit Green's Approach to Simulate Transient Heat Conduction in Multilayer Systems. <i>Numerical Heat Transfer; Part A: Applications</i> , 2012 , 61, 651-668	2.3	3
48	Acoustic insulation provided by circular and infinite plane walls. <i>Journal of Sound and Vibration</i> , 2004 , 273, 681-691	3.9	3
47	The importance of a small wall deformation in the three-dimensional acoustic logging results. <i>Geophysical Journal International</i> , 2002 , 151, 403-415	2.6	3
46	Definition of two-dimensional condensation via BEM, using the Glaser method approach. <i>Engineering Analysis With Boundary Elements</i> , 2002 , 26, 527-536	2.6	3

45	Bond Geometry and Shear Strength of Steel Plates Bonded to Concrete on Heating. <i>Journal of Materials in Civil Engineering</i> , 2003 , 15, 586-593	3	3
44	Numerical simulation of heat transport in multilayered composite pipe. <i>Engineering Analysis With Boundary Elements</i> , 2020 , 120, 28-37	2.6	3
43	Coupling the BEM and analytical solutions for the numerical simulation of transient heat conduction in a heterogeneous solid medium. <i>Engineering Analysis With Boundary Elements</i> , 2021 , 124, 110-123	2.6	3
42	3D Dynamic Simulation of Heat Conduction through a Building Corner Using a BEM Model in the Frequency Domain. <i>Energies</i> , 2019 , 12, 4595	3.1	3
41	Impact of Environmental Exposure on the Service Life of Façade Claddings – A Statistical Analysis. <i>Buildings</i> , 2021 , 11, 615	3.2	3
40	Procedure to select combined heating and hot water systems: An expeditious cost optimality approach. <i>Journal of Building Engineering</i> , 2019 , 25, 100838	5.2	2
39	Urine recovery at the building level. <i>Building and Environment</i> , 2019 , 156, 110-116	6.5	2
38	A 2.5D spectral approach to represent acoustic and elastic waveguides interaction on thin slab structures. <i>Procedia Engineering</i> , 2017 , 199, 1374-1379		2
37	Argamassas com incorporaç de Materiais de Mudanç de Fase (PCM): Caracterizaç física, mecânica e durabilidade. <i>Revista Materia</i> , 2015 , 20, 245-261	0.8	2
36	Mortars with Phase Change Materials - Part II: Durability Evaluation. <i>Key Engineering Materials</i> , 2014 , 634, 33-45	0.4	2
35	Acoustic behavior of high acoustic performance window glazing. <i>Noise Control Engineering Journal</i> , 2013 , 61, 320-329	0.6	2
34	2.5D AND 3D GREEN'S FUNCTIONS FOR ACOUSTIC WEDGES: IMAGE SOURCE TECHNIQUE VERSUS A NORMAL MODE APPROACH. <i>Journal of Computational Acoustics</i> , 2013 , 21, 1250025		2
33	Coupling the BEM/TBEM and the MFS for the Numerical Simulation of Wave Propagation in Heterogeneous Fluid-Solid Media. <i>Mathematical Problems in Engineering</i> , 2011 , 2011, 1-26	1.1	2
32	Response of clamped structural slabs subjected to a dynamic point load via BEM. <i>Engineering Structures</i> , 2003 , 25, 293-301	4.7	2
31	Experimental and numerical evaluation of the wind load on the 516 Arouca pedestrian suspension bridge. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022 , 220, 104837	3.7	2
30	Simulation of 3D heat diffusion in multilayered construction systems for active IRT data analysis 2014 ,		2
29	Computational Fluid Dynamics Modeling and Experimental Validation of the Thermofluidic Performance of Climatic Chambers. <i>Journal of Thermal Science and Engineering Applications</i> , 2020 , 12,	1.9	2
28	Impact of Density on Thermal Conductivity of an Insulation Layer Composed of Rice By-Products 2018 , 571-579		2

27	Canopy contribution to the energy balance of a building's roof. <i>Energy and Buildings</i> , 2021 , 244, 1110007	2	
26	Acoustic waves scattered by elastic waveguides using a spectral approach with a 2.5D coupled boundary-finite element method. <i>Engineering Analysis With Boundary Elements</i> , 2019 , 106, 47-58	2.6	1
25	Sustainable Mortars with Incorporation of Microencapsulated Phase Change Materials. <i>Advanced Materials Research</i> , 2015 , 1129, 621-628	0.5	1
24	A novel 2.5D spectral approach for studying thin-walled waveguides with fluid-acoustic interaction. <i>Computers and Structures</i> , 2018 , 204, 1-19	4.5	1
23	Iterative simulation of 3D heat diffusion in a medium with multiple cracks. <i>Engineering Analysis With Boundary Elements</i> , 2014 , 41, 10-17	2.6	1
22	Three-Dimensional Meshless Modelling of Functionally Graded Piezoelectric Sensor 2014 , 425-432		1
21	Analysis of airborne sound insulation and impact sound pressure level provided by a single partition containing a heterogeneity. <i>Journal of Sound and Vibration</i> , 2007 , 300, 800-816	3.9	1
20	APPLICATIONS OF THE GREEN FUNCTIONS IN THE STUDY OF ACOUSTIC PROBLEMS IN OPEN AND CLOSED SPACES. <i>Journal of Sound and Vibration</i> , 2001 , 247, 117-130	3.9	1
19	Frequency and Time Numerical Solutions of 3D Sound Propagation in Open and Closed Spaces. <i>Building Acoustics</i> , 2000 , 7, 247-261	1	1
18	Evaluation of the Thermofluidic Performance of Climatic Chambers: Numerical and Experimental Studies. <i>Fluids</i> , 2021 , 6, 433	1.6	1
17	Rice husk cement-based composites for acoustic barriers and thermal insulating layers. <i>Journal of Building Engineering</i> , 2021 , 39, 102297	5.2	1
16	Green's Functions for Heat Conduction for Unbounded and Bounded Rectangular Spaces: Time and Frequency Domain Solutions. <i>Journal of Applied Mathematics</i> , 2016 , 2016, 1-22	1.1	1
15	Unsteady Coupled Moisture and Heat Energy Transport through an Exterior Wall Covered with Vegetation. <i>Energies</i> , 2021 , 14, 4422	3.1	1
14	Influence of Different Dosages of Limestone Dust and Charcoal on the Properties of Lightweight Cement Composites. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021271	3	1
13	The effect of cork-based living walls on the energy performance of buildings and local microclimate. <i>Building and Environment</i> , 2022 , 216, 109048	6.5	1
12	Design of new modular metal pallets: Experimental validation and life cycle analysis. <i>Materials and Design</i> , 2022 , 214, 110425	8.1	0
11	Theoretical and experimental analysis of the quasi-static and dynamic behaviour of the world's longest suspension footbridge in 2020. <i>Engineering Structures</i> , 2022 , 253, 113830	4.7	0
10	Environmental Life-Cycle Assessment of an Innovative Multifunctional Toilet. <i>Energies</i> , 2021 , 14, 2307	3.1	0

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