

# Antonio Tadeu

## List of Publications by Year in descending order

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202  
papers

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236833

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docs citations

208  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green's Functions for Two-and-a-Half-Dimensional Elastodynamic Problems. Journal of Engineering Mechanics - ASCE, 2000, 126, 1093-1097.	1.6	99
2	Sound transmission through single, double and triple glazing. Experimental evaluation. Applied Acoustics, 2001, 62, 307-325.	1.7	95
3	Energy retrofit of historic buildings: Environmental assessment of cost-optimal solutions. Journal of Building Engineering, 2015, 4, 167-176.	1.6	76
4	Application of rice husk in the development of new composite boards. Construction and Building Materials, 2018, 176, 432-439.	3.2	66
5	Closed-form integration of singular terms for constant, linear and quadratic boundary elements. Part 1. SH wave propagation. Engineering Analysis With Boundary Elements, 1999, 23, 671-681.	2.0	64
6	Mortars based in different binders with incorporation of phase-change materials: Physical and mechanical properties. European Journal of Environmental and Civil Engineering, 2015, 19, 1216-1233.	1.0	63
7	Thermal performance and cost analysis of mortars made with PCM and different binders. Construction and Building Materials, 2016, 122, 637-648.	3.2	57
8	Mechanical, thermal and acoustic behaviour of polymer-based composite materials produced with rice husk and expanded cork by-products. Construction and Building Materials, 2020, 239, 117851.	3.2	52
9	Sound insulation provided by single and double panel walls—a comparison of analytical solutions versus experimental results. Applied Acoustics, 2004, 65, 15-29.	1.7	51
10	Analytical evaluation of the acoustic insulation provided by double infinite walls. Journal of Sound and Vibration, 2003, 263, 113-129.	2.1	50
11	A comparison between cost optimality and return on investment for energy retrofit in buildings-A real options perspective. Sustainable Cities and Society, 2016, 21, 12-25.	5.1	50
12	Lightweight screed containing cork granules: Mechanical and hygrothermal characterization. Cement and Concrete Composites, 2014, 49, 1-8.	4.6	49
13	ACOUSTIC INSULATION OF SINGLE PANEL WALLS PROVIDED BY ANALYTICAL EXPRESSIONS VERSUS THE MASS LAW. Journal of Sound and Vibration, 2002, 257, 457-475.	2.1	45
14	Characterisation of sustainable building walls made from rice straw bales. Journal of Building Engineering, 2020, 28, 101041.	1.6	44
15	Singular boundary method for transient convection-diffusion problems with time-dependent fundamental solution. International Journal of Heat and Mass Transfer, 2017, 114, 1126-1134.	2.5	42
16	Closed-form integration of singular terms for constant, linear and quadratic boundary elements. Part 2. SV-P wave propagation. Engineering Analysis With Boundary Elements, 1999, 23, 757-768.	2.0	40
17	Simulation of dynamic linear thermal bridges using a boundary element method model in the frequency domain. Energy and Buildings, 2011, 43, 3685-3695.	3.1	37
18	Green's function for two-and-a-half dimensional elastodynamic problems in a half-space. Computational Mechanics, 2001, 27, 484-491.	2.2	35

#	ARTICLE	IF	CITATIONS
19	Numerical Simulation of Ground Rotations along 2D Topographical Profiles under the Incidence of Elastic Plane Waves. Bulletin of the Seismological Society of America, 2009, 99, 1147-1161.	1.1	34
20	A three-dimensional acoustics model using the method of fundamental solutions. Engineering Analysis With Boundary Elements, 2008, 32, 525-531.	2.0	33
21	Three-dimensional fundamental solutions for transient heat transfer by conduction in an unbounded medium, half-space, slab and layered media. Engineering Analysis With Boundary Elements, 2006, 30, 338-349.	2.0	31
22	Prediction of airborne sound and impact sound insulation provided by single and multilayer systems using analytical expressions. Applied Acoustics, 2007, 68, 17-42.	1.7	31
23	Influence of the Type of Phase Change Materials Microcapsules on the Properties of Lime-based Thermal Mortars. Advanced Engineering Materials, 2014, 16, 433-441.	1.6	31
24	Scattering of waves by subterranean structures via the boundary element method. Soil Dynamics and Earthquake Engineering, 1996, 15, 387-397.	1.9	29
25	Influence of Adding Encapsulated Phase Change Materials in Aerial Lime Based Mortars. Advanced Materials Research, 0, 687, 255-261.	0.3	28
26	3D sound scattering by rigid barriers in the vicinity of tall buildings. Applied Acoustics, 2001, 62, 1229-1248.	1.7	27
27	Modelling of acoustic and elastic wave propagation from underground structures using a 2.5D BEM-FEM approach. Engineering Analysis With Boundary Elements, 2017, 76, 26-39.	2.0	26
28	Drainage and water storage capacity of insulation cork board applied as a layer on green roofs. Construction and Building Materials, 2019, 209, 52-65.	3.2	26
29	Use of constant, linear and quadratic boundary elements in 3D wave diffraction analysis. Engineering Analysis With Boundary Elements, 2000, 24, 131-144.	2.0	24
30	Thermal behaviour of a green roof containing insulation cork board. An experimental characterization using a bioclimatic chamber. Building and Environment, 2019, 160, 106179.	3.0	24
31	The simulation of 3D elastic scattering produced by thin rigid inclusions using the traction boundary element method. Computers and Structures, 2006, 84, 2244-2253.	2.4	23
32	Wave propagation in the presence of empty cracks in an elastic medium. Computational Mechanics, 2006, 38, 183-199.	2.2	23
33	Defining an accurate MFS solution for 2.5D acoustic and elastic wave propagation. Engineering Analysis With Boundary Elements, 2009, 33, 1383-1395.	2.0	23
34	Fundamental solutions for transient heat transfer by conduction and convection in an unbounded, half-space, slab and layered media in the frequency domain. Engineering Analysis With Boundary Elements, 2005, 29, 1130-1142.	2.0	22
35	BEM numerical simulation of coupled heat, air and moisture flow through a multilayered porous solid. Engineering Analysis With Boundary Elements, 2017, 74, 24-33.	2.0	22
36	Coupling the BEM/TBEM and the MFS for the numerical simulation of acoustic wave propagation. Engineering Analysis With Boundary Elements, 2010, 34, 405-416.	2.0	21

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37	Thermal delay simulation in multilayer systems using analytical solutions. <i>Energy and Buildings</i> , 2012, 49, 631-639.	3.1	21
38	3D transient heat conduction in multilayer systems – Experimental validation of semi-analytical solution. <i>International Journal of Thermal Sciences</i> , 2012, 57, 192-203.	2.6	21
39	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.	3.2	21
40	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.	2.0	20
41	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.	3.1	20
42	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.	3.4	19
43	Sound pressure level attenuation provided by thin rigid screens coupled to tall buildings. <i>Journal of Sound and Vibration</i> , 2007, 304, 479-496.	2.1	19
44	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.	3.2	19
45	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.	2.0	18
46	3-D wave propagation in fluid-filled irregular boreholes in elastic formations. <i>Soil Dynamics and Earthquake Engineering</i> , 2001, 21, 499-517.	1.9	18
47	2.5D coupled BEM-FEM used to model fluid and solid scattering wave. <i>International Journal for Numerical Methods in Engineering</i> , 2015, 101, 148-164.	1.5	18
48	Heat conduction across double brick walls via BEM. <i>Building and Environment</i> , 2004, 39, 51-58.	3.0	17
49	Wave propagation in cracked elastic slabs and half-space domains – TBEM and MFS approaches. <i>Engineering Analysis With Boundary Elements</i> , 2007, 31, 819-835.	2.0	17
50	Coupled BEM – MLPG acoustic analysis for non-homogeneous media. <i>Engineering Analysis With Boundary Elements</i> , 2014, 44, 161-169.	2.0	17
51	Performance of the BEM solution in 3D acoustic wave scattering. <i>Advances in Engineering Software</i> , 2001, 32, 629-639.	1.8	16
52	Sound propagation around rigid barriers laterally confined by tall buildings. <i>Applied Acoustics</i> , 2002, 63, 595-609.	1.7	16
53	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.	2.0	16
54	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.	3.0	16

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55	Thermal delay provided by floors containing layers that incorporate expanded cork granule waste. <i>Energy and Buildings</i> , 2014, 68, 611-619.	3.1	16
56	3D acoustic scattering from an irregular fluid waveguide via the BEM. <i>Engineering Analysis With Boundary Elements</i> , 2001, 25, 443-453.	2.0	15
57	High-Temperature Compressive Strength of Steel Fiber High-Strength Concrete. <i>Journal of Materials in Civil Engineering</i> , 2001, 13, 230-234.	1.3	15
58	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.	1.9	14
59	Mortars with Phase Change Materials - Part I: Physical and Mechanical Characterization. <i>Key Engineering Materials</i> , 2014, 634, 22-32.	0.4	14
60	Wave motion between two fluid-filled boreholes in an elastic medium. <i>Engineering Analysis With Boundary Elements</i> , 2002, 26, 101-117.	2.0	13
61	Scattering of acoustic waves by movable lightweight elastic screens. <i>Engineering Analysis With Boundary Elements</i> , 2003, 27, 215-226.	2.0	13
62	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.	2.0	13
63	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.	1.0	13
64	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.	0.7	13
65	Acoustic analysis of heterogeneous domains coupling the BEM with Kansa's method. <i>Engineering Analysis With Boundary Elements</i> , 2012, 36, 1014-1026.	2.0	13
66	Impact sound transmission provided by concrete layers incorporating cork granules. <i>Noise Control Engineering Journal</i> , 2013, 61, 458-468.	0.2	13
67	Comparison between cork-based and conventional green roof solutions. <i>Building and Environment</i> , 2020, 175, 106812.	3.0	13
68	Innovative module of expanded cork agglomerate for green vertical systems. <i>Building and Environment</i> , 2021, 188, 107461.	3.0	13
69	3D scattering by multiple cylindrical cavities buried in an elastic formation. <i>European Journal of Mechanics, A/Solids</i> , 2001, 20, 367-383.	2.1	12
70	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.	1.0	12
71	Heat transfer measurements of a linear thermal bridge in a wooden building corner. <i>Energy and Buildings</i> , 2018, 158, 194-208.	3.1	12
72	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.	3.2	12

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73	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.	2.1	11
74	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.	2.5	11
75	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.	1.3	11
76	Simulation of heat and moisture flow through walls covered with uncoated medium density expanded cork. <i>Building and Environment</i> , 2018, 142, 195-210.	3.0	11
77	Environmental performance of a cork-based modular living wall from a life-cycle perspective. <i>Building and Environment</i> , 2021, 191, 107614.	3.0	11
78	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.	0.3	11
79	ACOUSTIC INSULATION PROVIDED BY A SINGLE WALL SEPARATING TWO CONTIGUOUS TUNNELS VIA BEM. <i>Journal of Sound and Vibration</i> , 2002, 257, 945-965.	2.1	10
80	Green's functions for 2.5D elastodynamic problems in a free solid layer formation. <i>Engineering Structures</i> , 2002, 24, 491-499.	2.6	10
81	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.	1.7	10
82	Wave scattering by infinite cylindrical shell structures submerged in a fluid medium. <i>Wave Motion</i> , 2003, 38, 131-149.	1.0	10
83	Boundary element method analyses of transient heat conduction in an unbounded solid layer containing inclusions. <i>Computational Mechanics</i> , 2004, 34, 99.	2.2	10
84	Dynamic analysis of submerged fluid-filled pipelines subjected to a point pressure load. <i>Journal of Sound and Vibration</i> , 2004, 271, 257-277.	2.1	10
85	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.	2.0	10
86	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.	2.0	10
87	BEM numerical simulation of coupled heat and moisture flow through a porous solid. <i>Engineering Analysis With Boundary Elements</i> , 2014, 40, 154-161.	2.0	10
88	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.	2.5	10
89	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.	1.7	10
90	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.	2.1	9

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91	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.	2.0	9
92	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.	2.0	9
93	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.	2.4	8
94	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.	2.1	8
95	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.	3.0	8
96	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.	0.6	8
97	Argamassas com incorpora��o de Materiais de Mudan��a de Fase (PCM): Caracteriza��o f�sica, mec�nica e durabilidade. <i>Revista Materia</i> , 2015, 20, 245-261.	0.1	8
98	In-Situ Thermal Resistance Evaluation of Walls Using an Iterative Dynamic Model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015, 67, 33-51.	1.2	8
99	Experimental study of expanded cork agglomerate blocks – Compressive creep behavior and dynamic performance. <i>Construction and Building Materials</i> , 2018, 181, 551-564.	3.2	8
100	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.	2.0	7
101	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.	1.0	7
102	The use of monopole and dipole sources in crosswell surveying. <i>Journal of Applied Geophysics</i> , 2004, 56, 231-245.	0.9	7
103	Conduction and convection phenomena through a slab with thermal heterogeneities. <i>Applied Mathematical Modelling</i> , 2007, 31, 1444-1459.	2.2	7
104	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.	2.2	7
105	Transient numerical simulation of coupled heat and moisture flow through a green roof. <i>Engineering Analysis With Boundary Elements</i> , 2018, 95, 53-68.	2.0	7
106	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.	0.2	7
107	Impact of Environmental Exposure on the Service Life of Fa�ade Claddings – A Statistical Analysis. <i>Buildings</i> , 2021, 11, 615.	1.4	7
108	Application of 3D heat diffusion to detect embedded 3D empty cracks. <i>Applied Thermal Engineering</i> , 2013, 61, 596-605.	3.0	6



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109	Dynamic simulation of three-dimensional heat conduction through cylindrical inclusions using a BEM model formulated in the frequency domain. Applied Mathematics and Computation, 2015, 261, 397-407.	1.4	6
110	Canopy contribution to the energy balance of a building's roof. Energy and Buildings, 2021, 244, 111000.	3.1	6
111	Evaluation of adhesive bonding of ceramic tiles using active thermography. , 2012, , .		6
112	ACOUSTIC SCATTERING FROM A 2-D FLUID WAVEGUIDE WITH AN IRREGULAR FLOOR VIA THE BEM. Journal of Computational Acoustics, 2001, 09, 367-380.	1.0	5
113	ACOUSTIC INSERTION LOSS PROVIDED BY RIGID ACOUSTIC BARRIERS OF DIFFERENT SHAPES. Journal of Computational Acoustics, 2003, 11, 503-519.	1.0	5
114	Scattering of seismic waves generated by an irregular seabed. Computers and Structures, 2004, 82, 1793-1804.	2.4	5
115	Simulation of Wave Propagation in a Fluid-Filled Borehole Embedded in a Cracked Medium Using a Coupled BEM/TBEM Formulation. Bulletin of the Seismological Society of America, 2009, 99, 3326-3339.	1.1	5
116	Meshless analysis of piezoelectric sensor embedded in composite floor panel. Journal of Intelligent Material Systems and Structures, 2015, 26, 2092-2107.	1.4	5
117	Modeling elastic wave propagation in fluid-filled boreholes drilled in nonhomogeneous media: BEM-MLPG versus BEM-FEM coupling. Engineering Analysis With Boundary Elements, 2017, 81, 1-11.	2.0	5
118	An accurate treatment of non-homogeneous boundary conditions for development of the BEM. Engineering Analysis With Boundary Elements, 2020, 116, 93-101.	2.0	5
119	Rice husk cement-based composites for acoustic barriers and thermal insulating layers. Journal of Building Engineering, 2021, 39, 102297.	1.6	5
120	Numerical and Experimental Evaluation of the Drying Behaviour of Medium Density Expanded Cork Boards used as an External Coating. International Journal of Sustainable Development and Planning, 2017, 12, 315-325.	0.3	5
121	Design of new modular metal pallets: Experimental validation and life cycle analysis. Materials and Design, 2022, 214, 110425.	3.3	5
122	The effect of cork-based living walls on the energy performance of buildings and local microclimate. Building and Environment, 2022, 216, 109048.	3.0	5
123	Acoustic insulation provided by circular and infinite plane walls. Journal of Sound and Vibration, 2004, 273, 681-691.	2.1	4
124	DYNAMIC RESPONSE OF A THREE-DIMENSIONAL FLUID CHANNEL BOUNDED BY AN ELASTIC FLOOR IN THE PRESENCE OF A SUBMERGED INCLUSION VIA BEM. Journal of Computational Acoustics, 2005, 13, 203-227.	1.0	4
125	Coupling BEM/TBEM and MFS for the simulation of transient conduction heat transfer. International Journal for Numerical Methods in Engineering, 2010, 84, 179-213.	1.5	4
126	Simulation of the 3D Sound Pressure Level Inside Closed Absorbing Acoustic Rooms Bounded by Non-Parallel Floor and Ceiling Surfaces, and Parallel Sidewalls. Acta Acustica United With Acustica, 2012, 98, 894-906.	0.8	4



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127	Analytical Evaluation of the Acoustic Behavior of Multilayer Walls When Subjected to Three-Dimensional and Moving 2.5-Dimensional Loads. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.0	4
128	2.5D elastic wave propagation in non-homogeneous media coupling the BEM and MLPG methods. Engineering Analysis With Boundary Elements, 2015, 53, 86-99.	2.0	4
129	On the formulation of a BEM in the BÃ©zierâ€Bernstein space for the solution of Helmholtz equation. Applied Mathematical Modelling, 2019, 74, 301-319.	2.2	4
130	Urine recovery at the building level. Building and Environment, 2019, 156, 110-116.	3.0	4
131	Numerical simulation of heat transport in multilayered composite pipe. Engineering Analysis With Boundary Elements, 2020, 120, 28-37.	2.0	4
132	Unsteady Coupled Moisture and Heat Energy Transport through an Exterior Wall Covered with Vegetation. Energies, 2021, 14, 4422.	1.6	4
133	Theoretical and experimental analysis of the quasi-static and dynamic behaviour of the world's longest suspension footbridge in 2020. Engineering Structures, 2022, 253, 113830.	2.6	4
134	The importance of a small wall deformation in the three-dimensional acoustic logging results. Geophysical Journal International, 2002, 151, 403-415.	1.0	3
135	Definition of two-dimensional condensation via BEM, using the Glaser method approach. Engineering Analysis With Boundary Elements, 2002, 26, 527-536.	2.0	3
136	Bond Geometry and Shear Strength of Steel Plates Bonded to Concrete on Heating. Journal of Materials in Civil Engineering, 2003, 15, 586-593.	1.3	3
137	Coupling the BEM/TBEM and the MFS for the Numerical Simulation of Wave Propagation in Heterogeneous Fluid-Solid Media. Mathematical Problems in Engineering, 2011, 2011, 1-26.	0.6	3
138	Experimental Validation of Numerical Solutions Using the Explicit Green's Approach to Simulate Transient Heat Conduction in Multilayer Systems. Numerical Heat Transfer; Part A: Applications, 2012, 61, 651-668.	1.2	3
139	2.5D AND 3D GREEN'S FUNCTIONS FOR ACOUSTIC WEDGES: IMAGE SOURCE TECHNIQUE VERSUS A NORMAL MODE APPROACH. Journal of Computational Acoustics, 2013, 21, 1250025.	1.0	3
140	Mortars with Phase Change Materials - Part II: Durability Evaluation. Key Engineering Materials, 0, 634, 33-45.	0.4	3
141	Three-Dimensional Meshless Modelling of Functionally Graded Piezoelectric Sensor. , 2014, , 425-432.		3
142	Meshless analysis of soilâ€structure interaction using an MFSâ€MLPG coupled approach. Engineering Analysis With Boundary Elements, 2015, 55, 80-92.	2.0	3
143	Boundary element method simulation of 3D heat diffusion in defective layered media for IRT building applications. Engineering Analysis With Boundary Elements, 2017, 81, 44-52.	2.0	3
144	Procedure to select combined heating and hot water systems: An expeditious cost optimality approach. Journal of Building Engineering, 2019, 25, 100838.	1.6	3

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145	3D Dynamic Simulation of Heat Conduction through a Building Corner Using a BEM Model in the Frequency Domain. <i>Energies</i> , 2019, 12, 4595.	1.6	3
146	Simulation of 3D heat diffusion in multilayered construction systems for active IRT data analysis. , 2014, , .		3
147	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, .	0.8	3
148	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.	2.1	2
149	Response of clamped structural slabs subjected to a dynamic point load via BEM. <i>Engineering Structures</i> , 2003, 25, 293-301.	2.6	2
150	Acoustic behavior of high acoustic performance window glazing. <i>Noise Control Engineering Journal</i> , 2013, 61, 320-329.	0.2	2
151	Greenâ€™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.	0.4	2
152	A 2.5D spectral approach to represent acoustic and elastic waveguides interaction on thin slab structures. <i>Procedia Engineering</i> , 2017, 199, 1374-1379.	1.2	2
153	Conception and design of a sustainable green roof for car parks with integrated solar tracking photovoltaic system. , 2018, , .		2
154	Environmental Life-Cycle Assessment of an Innovative Multifunctional Toilet. <i>Energies</i> , 2021, 14, 2307.	1.6	2
155	Evaluation of the Thermofluidic Performance of Climatic Chambers: Numerical and Experimental Studies. <i>Fluids</i> , 2021, 6, 433.	0.8	2
156	A novel high-performance quadrature rule for BEM formulations. <i>Engineering Analysis With Boundary Elements</i> , 2022, 140, 607-617.	2.0	2
157	Frequency and Time Numerical Solutions of 3D Sound Propagation in Open and Closed Spaces. <i>Building Acoustics</i> , 2000, 7, 247-261.	1.1	1
158	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.	2.1	1
159	Iterative simulation of 3D heat diffusion in a medium with multiple cracks. <i>Engineering Analysis With Boundary Elements</i> , 2014, 41, 10-17.	2.0	1
160	Thermographic inspection of external thermal insulation systems with mechanical fixing. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
161	Sustainable Mortars with Incorporation of Microencapsulated Phase Change Materials. <i>Advanced Materials Research</i> , 0, 1129, 621-628.	0.3	1
162	A novel 2.5D spectral approach for studying thin-walled waveguides with fluid-acoustic interaction. <i>Computers and Structures</i> , 2018, 204, 1-19.	2.4	1

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163	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.	2.0	1
164	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, .	1.3	1
165	Numerical applications for experimental IRT in defective multilayered building systems. , 0, , .		1
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