Antonio Tadeu

List of Publications by Year in Descending Order

170 papers	1,993 citations	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	Design of new modular metal pallets: Experimental validation and life cycle analysis. *Materials and Design*, **2022**, 214, 110425	8.1	0
169	Experimental and numerical evaluation of the wind load on the 516 Arouca pedestrian suspension bridge. *Journal of Wind Engineering and Industrial Aerodynamics*, **2022**, 220, 104837	3.7	2
168	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	4.7	0
167	Thermal and Mechanical Characterisation of Sandwich Core Materials for Climatic Chamber Shells Subjected to High Temperatures. *Energies*, **2022**, 15, 2089	3.1	
166	The effect of cork-based living walls on the energy performance of buildings and local microclimate. *Building and Environment*, **2022**, 216, 109048	6.5	1
165	A novel high-performance quadrature rule for BEM formulations. *Engineering Analysis With Boundary Elements*, **2022**, 140, 607-617	2.6	
164	Evaluation of the Thermofluidic Performance of Climatic Chambers: Numerical and Experimental Studies. *Fluids*, **2021**, 6, 433	1.6	1
163	Coupling the BEM and analytical solutions for the numerical simulation of transient heat conduction in a heterogeneous solid medium. *Engineering Analysis With Boundary Elements*, **2021**, 124, 110-123	2.6	3
162	Environmental Life-Cycle Assessment of an Innovative Multifunctional Toilet. *Energies*, **2021**, 14, 2307	3.1	0
161	Rice husk cement-based composites for acoustic barriers and thermal insulating layers. *Journal of Building Engineering*, **2021**, 39, 102297	5.2	1
160	Innovative module of expanded cork agglomerate for green vertical systems. *Building and Environment*, **2021**, 188, 107461	6.5	10
159	Environmental performance of a cork-based modular living wall from a life-cycle perspective. *Building and Environment*, **2021**, 191, 107614	6.5	5
158	Unsteady Coupled Moisture and Heat Energy Transport through an Exterior Wall Covered with Vegetation. *Energies*, **2021**, 14, 4422	3.1	1
157	Canopy contribution to the energy balance of a buildingâ roof. *Energy and Buildings*, **2021**, 244, 111000	7	2
156	Influence of Different Dosages of Limestone Dust and Charcoal on the Properties of Lightweight Cement Composites. *Journal of Materials in Civil Engineering*, **2021**, 33, 04021271	3	1
155	Impact of Environmental Exposure on the Service Life of Faade CladdingsâA Statistical Analysis. *Buildings*, **2021**, 11, 615	3.2	3
154	An accurate treatment of non-homogeneous boundary conditions for development of the BEM. *Engineering Analysis With Boundary Elements*, **2020**, 116, 93-101	2.6	3

153	Comparison between cork-based and conventional green roof solutions. *Building and Environment*, **2020**, 175, 106812	6.5	7
152	Computational Fluid Dynamics Modeling and Experimental Validation of the Thermofluidic Performance of Climatic Chambers. *Journal of Thermal Science and Engineering Applications*, **2020**, 12,	1.9	2
151	Mitigation of Vibrations Using Composite Materials Produced from Rice Husk and Recycled Rubber **2020**, 981-988		
150	Characterisation of sustainable building walls made from rice straw bales. *Journal of Building Engineering*, **2020**, 28, 101041	5.2	20
149	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	6.7	24
148	Vibro-acoustic behaviour of polymer-based composite materials produced with rice husk and recycled rubber granules. *Construction and Building Materials*, **2020**, 264, 120221	6.7	10
147	Numerical simulation of heat transport in multilayered composite pipe. *Engineering Analysis With Boundary Elements*, **2020**, 120, 28-37	2.6	3
146	Procedure to select combined heating and hot water systems: An expeditious cost optimality approach. *Journal of Building Engineering*, **2019**, 25, 100838	5.2	2
145	Acoustic waves scattered by elastic waveguides using a spectral approach with a 2.5D coupled boundary-finite element method. *Engineering Analysis With Boundary Elements*, **2019**, 106, 47-58	2.6	1
144	Thermal behaviour of a green roof containing insulation cork board. An experimental characterization using a bioclimatic chamber. *Building and Environment*, **2019**, 160, 106179	6.5	13
143	On the formulation of a BEM in the BžierâBernstein space for the solution of Helmholtz equation. *Applied Mathematical Modelling*, **2019**, 74, 301-319	4.5	4
142	Urine recovery at the building level. *Building and Environment*, **2019**, 156, 110-116	6.5	2
141	Drainage and water storage capacity of insulation cork board applied as a layer on green roofs. *Construction and Building Materials*, **2019**, 209, 52-65	6.7	16
140	Water retention and drainage capability of expanded cork agglomerate boards intended for application in green vertical systems. *Construction and Building Materials*, **2019**, 224, 439-446	6.7	10
139	3D Dynamic Simulation of Heat Conduction through a Building Corner Using a BEM Model in the Frequency Domain. *Energies*, **2019**, 12, 4595	3.1	3
138	Uncoated medium density expanded cork boards for building faãdes and roofs: Mechanical, hygrothermal and durability characterization. *Construction and Building Materials*, **2019**, 200, 447-464	6.7	14
137	A sensitivity analysis of a cost optimality study on the energy retrofit of a single-family reference building in Portugal. *Energy Efficiency*, **2018**, 11, 1411-1432	3	7
136	Influence of a period of wet weather on the heat transfer across a wall covered with uncoated medium density expanded cork. *Energy and Buildings*, **2018**, 165, 118-131	7	16

135	Heat transfer measurements of a linear thermal bridge in a wooden building corner. *Energy and Buildings*, **2018**, 158, 194-208	7	10
134	Transient simulation of coupled heat and moisture flow through a multi-layer porous solid exposed to solar heat flux. *International Journal of Heat and Mass Transfer*, **2018**, 117, 273-279	4.9	9
133	Transient numerical simulation of coupled heat and moisture flow through a green roof. *Engineering Analysis With Boundary Elements*, **2018**, 95, 53-68	2.6	5
132	Simulation of heat and moisture flow through walls covered with uncoated medium density expanded cork. *Building and Environment*, **2018**, 142, 195-210	6.5	9
131	Application of rice husk in the development of new composite boards. *Construction and Building Materials*, **2018**, 176, 432-439	6.7	43
130	A novel 2.5D spectral approach for studying thin-walled waveguides with fluid-acoustic interaction. *Computers and Structures*, **2018**, 204, 1-19	4.5	1
129	Green Facades and Living Walls: The Portuguese Experience **2018**, 562-570		
128	Impact of Density on Thermal Conductivity of an Insulation Layer Composed of Rice By-Products **2018**, 571-579		2
127	Experimental study of expanded cork agglomerate blocks â Compressive creep behavior and dynamic performance. *Construction and Building Materials*, **2018**, 181, 551-564	6.7	5
126	BEM numerical simulation of coupled heat, air and moisture flow through a multilayered porous solid. *Engineering Analysis With Boundary Elements*, **2017**, 74, 24-33	2.6	22
125	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	2.6	5
124	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	2.6	20
123	Heat transfer modeling using analytical solutions for infrared thermography applications in multilayered buildings systems. *International Journal of Heat and Mass Transfer*, **2017**, 115, 471-478	4.9	8
122	Singular boundary method for transient convectionâdiffusion problems with time-dependent fundamental solution. *International Journal of Heat and Mass Transfer*, **2017**, 114, 1126-1134	4.9	34
121	A 2.5D spectral approach to represent acoustic and elastic waveguides interaction on thin slab structures. *Procedia Engineering*, **2017**, 199, 1374-1379		2
120	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	2.6	3
119	A Perspective on the Development of Sustainable Construction Products: An Eco-Design Approach. *International Journal of Sustainable Development and Planning*, **2017**, 12, 304-314	2	5
118	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	2	5

117	Modeling 3D thin sound-absorbing barriers using a dual formulation based on the boundary element method. *Noise Control Engineering Journal*, **2017**, 65, 212-223	0.6	
116	3D heat diffusion simulation using 3D and 1D heat sources â Temperature and phase contrast results for defect detection using IRT. *Applied Mathematical Modelling*, **2016**, 40, 1576-1587	4.5	5
115	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	10.1	45
114	Greenâ Functions for Heat Conduction for Unbounded and Bounded Rectangular Spaces: Time and Frequency Domain Solutions. *Journal of Applied Mathematics*, **2016**, 2016, 1-22	1.1	1
113	Thermal performance and cost analysis of mortars made with PCM and different binders. *Construction and Building Materials*, **2016**, 122, 637-648	6.7	36
112	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	1.5	32
111	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	2.7	5
110	Meshless analysis of soilâstructure interaction using an MFSâMLPG coupled approach. *Engineering Analysis With Boundary Elements*, **2015**, 55, 80-92	2.6	3
109	In-Situ Thermal Resistance Evaluation of Walls Using an Iterative Dynamic Model. *Numerical Heat Transfer; Part A: Applications*, **2015**, 67, 33-51	2.3	7
108	Energy retrofit of historic buildings: Environmental assessment of cost-optimal solutions. *Journal of Building Engineering*, **2015**, 4, 167-176	5.2	60
107	Sustainable Mortars with Incorporation of Microencapsulated Phase Change Materials. *Advanced Materials Research*, **2015**, 1129, 621-628	0.5	1
106	Argamassas com incorporaõ de Materiais de Mudanã de Fase (PCM): Caracterizaõ fsica, mecnica e durabilidade. *Revista Materia*, **2015**, 20, 245-261	0.8	2
105	2.5D elastic wave propagation in non-homogeneous media coupling the BEM and MLPG methods. *Engineering Analysis With Boundary Elements*, **2015**, 53, 86-99	2.6	4
104	2.5D coupled BEMâEM used to model fluid and solid scattering wave. *International Journal for Numerical Methods in Engineering*, **2015**, 101, 148-164	2.4	15
103	Meshless analysis of piezoelectric sensor embedded in composite floor panel. *Journal of Intelligent Material Systems and Structures*, **2015**, 26, 2092-2107	2.3	4
102	Ranking procedure based on mechanical, durability and thermal behavior of mortars with incorporation of phase change materials. *Materiales De Construccion*, **2015**, 65, e068	1.8	5
101	Thermal delay provided by floors containing layers that incorporate expanded cork granule waste. *Energy and Buildings*, **2014**, 68, 611-619	7	16
100	Iterative simulation of 3D heat diffusion in a medium with multiple cracks. *Engineering Analysis With Boundary Elements*, **2014**, 41, 10-17	2.6	1

99	BEM numerical simulation of coupled heat and moisture flow through a porous solid. *Engineering Analysis With Boundary Elements*, **2014**, 40, 154-161	2.6	9
98	Lightweight screed containing cork granules: Mechanical and hygrothermal characterization. *Cement and Concrete Composites*, **2014**, 49, 1-8	8.6	44
97	Mortars with Phase Change Materials - Part I: Physical and Mechanical Characterization. *Key Engineering Materials*, **2014**, 634, 22-32	0.4	10
96	Advanced Techniques in Computational Mechanics. *Journal of Applied Mathematics*, **2014**, 2014, 1-2	1.1	
95	Influence of the Type of Phase Change Materials Microcapsules on the Properties of Lime-Gypsum Thermal Mortars. *Advanced Engineering Materials*, **2014**, 16, 433-441	3.5	19
94	Mortars with Phase Change Materials - Part II: Durability Evaluation. *Key Engineering Materials*, **2014** , 634, 33-45	0.4	2
93	Three-Dimensional Meshless Modelling of Functionally Graded Piezoelectric Sensor **2014**, 425-432		1
92	Coupled BEMâMLPG acoustic analysis for non-homogeneous media. *Engineering Analysis With Boundary Elements*, **2014**, 44, 161-169	2.6	12
91	Simulation of 3D heat diffusion in multilayered construction systems for active IRT data analysis **2014**,		2
90	2.5D Acoustic Wave Propagation in Shallow Water Over an Irregular Seabed Using the Boundary Element Method **2014**, 23-33		
89	Performance of double three-dimensional rigid barriers used to create an acoustic spaceâA normal derivative integral equationapproach. *Journal of Sound and Vibration*, **2013**, 332, 3258-3269	3.9	
88	Application of 3D heat diffusion to detect embedded 3D empty cracks. *Applied Thermal Engineering* , **2013**, 61, 596-605	5.8	5
87	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,	1.6	4
86	Acoustic behavior of high acoustic performance window glazing. *Noise Control Engineering Journal*, **2013**, 61, 320-329	0.6	2
85	Impact sound transmission provided by concrete layers incorporating cork granules. *Noise Control Engineering Journal*, **2013**, 61, 458-468	0.6	13
84	Influence of Adding Encapsulated Phase Change Materials in Aerial Lime Based Mortars. *Advanced Materials Research*, **2013**, 687, 255-261	0.5	20
83	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		2
82	3D transient heat conduction in multilayer systems âExperimental validation of semi-analytical solution. *International Journal of Thermal Sciences*, **2012**, 57, 192-203	4.1	17

81	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. *Engineering Analysis With Boundary Elements*, **2012**, 36, 169-180	2.6	9
80	Transient heat conduction under nonzero initial conditions: A solution using the boundary element method in the frequency domain. *Engineering Analysis With Boundary Elements*, **2012**, 36, 562-567	2.6	15
79	Acoustic analysis of heterogeneous domains coupling the BEM with Kansa's method. *Engineering Analysis With Boundary Elements*, **2012**, 36, 1014-1026	2.6	11
78	3D acoustic wave simulation using BEM formulations: Closed form integration of singular and hypersingular integrals. *Engineering Analysis With Boundary Elements*, **2012**, 36, 1389-1396	2.6	7
77	Simulation of sound absorption in 2D thin elements using a coupled BEM/TBEM formulation in the presence of fixed and moving 3D sources. *Journal of Sound and Vibration*, **2012**, 331, 2386-2403	3.9	11
76	Thermal delay simulation in multilayer systems using analytical solutions. *Energy and Buildings*, **2012**, 49, 631-639	7	19
75	Experimental validation of a frequency domain BEM model to study 2D and 3D heat transfer by conduction. *Engineering Analysis With Boundary Elements*, **2012**, 36, 1686-1698	2.6	8
74	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	2.3	3
73	Closed Form Integration of Singular and Hypersingular Integrals in 3D BEM Formulations for Heat Conduction. *Mathematical Problems in Engineering*, **2012**, 2012, 1-21	1.1	6
72	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	1.5	4
71	Evaluation of adhesive bonding of ceramic tiles using active thermography **2012**,		5
70	A Boundary Meshless Method for Solving Heat Transfer Problems Using the Fourier Transform. *Advances in Applied Mathematics and Mechanics*, **2011**, 3, 572-585	2.1	10
69	Simulation of dynamic linear thermal bridges using a boundary element method model in the frequency domain. *Energy and Buildings*, **2011**, 43, 3685-3695	7	29
68	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	1.1	2
67	2.5D BEM modeling of underwater sound scattering in the presence of a slippage interface separating two flat layered regions. *Wave Motion*, **2010**, 47, 676-692	1.8	9
66	Coupling the BEM/TBEM and the MFS for the numerical simulation of acoustic wave propagation. *Engineering Analysis With Boundary Elements*, **2010**, 34, 405-416	2.6	16
65	Modelling acoustic absorption in an enclosed space containing a barrier coupling the (BEM+TBEM) with the MFS. *WIT Transactions on State-of-the-art in Science and Engineering*, **2010**, 269-280		
64	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	2.3	24

63	Defining an accurate MFS solution for 2.5D acoustic and elastic wave propagation. *Engineering Analysis With Boundary Elements*, **2009**, 33, 1383-1395	2.6	19
62	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	2.3	4
61	A 2.5D TRACTION BOUNDARY ELEMENT METHOD FORMULATION APPLIED TO THE STUDY OF WAVE PROPAGATION IN A FLUID LAYER HOSTING A THIN RIGID BODY. *Journal of Computational Acoustics*, **2008**, 16, 177-198		9
60	A three-dimensional acoustics model using the method of fundamental solutions. *Engineering Analysis With Boundary Elements*, **2008**, 32, 525-531	2.6	25
59	Conduction and convection phenomena through a slab with thermal heterogeneities. *Applied Mathematical Modelling*, **2007**, 31, 1444-1459	4.5	6
58	Wave propagation in cracked elastic slabs and half-space domainsâBEM and MFS approaches. *Engineering Analysis With Boundary Elements*, **2007**, 31, 819-835	2.6	14
57	Analysis of airborne sound insulation and impact sound pressure level provided by a single partition containing a heterogeneity. *Journal of Sound and Vibration*, **2007**, 300, 800-816	3.9	1
56	Sound pressure level attenuation provided by thin rigid screens coupled to tall buildings. *Journal of Sound and Vibration*, **2007**, 304, 479-496	3.9	16
55	Prediction of airborne sound and impact sound insulation provided by single and multilayer systems using analytical expressions. *Applied Acoustics*, **2007**, 68, 17-42	3.1	24
54	3D elastic wave propagation modelling in the presence of 2D fluid-filled thin inclusions. *Engineering Analysis With Boundary Elements*, **2006**, 30, 176-193	2.6	11
53	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	2.6	23
52	Transient conduction and convection heat transfer across a multi-layer floor subjected to multiple heat sources. *Building and Environment*, **2006**, 41, 1299-1310	6.5	10
51	The simulation of 3D elastic scattering produced by thin rigid inclusions using the traction boundary element method. *Computers and Structures*, **2006**, 84, 2244-2253	4.5	18
50	Wave propagation in the presence of empty cracks in an elastic medium. *Computational Mechanics*, **2006**, 38, 183-199	4	18
49	2.5D scattering of waves by rigid inclusions buried under a fluid channel via BEM. *European Journal of Mechanics, A/Solids*, **2005**, 24, 957-973	3.7	7
48	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	2.6	17
47	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		4
46	Boundary element method analyses of transient heat conduction in an unbounded solid layer containing inclusions. *Computational Mechanics*, **2004**, 34, 99	4	10

45	Sound insulation provided by single and double panel wallsâ comparison of analytical solutions versus experimental results. *Applied Acoustics*, **2004**, 65, 15-29	3.1	41
44	Dynamic analysis of submerged fluid-filled pipelines subjected to a point pressure load. *Journal of Sound and Vibration*, **2004**, 271, 257-277	3.9	8
43	Acoustic insulation provided by circular and infinite plane walls. *Journal of Sound and Vibration*, **2004**, 273, 681-691	3.9	3
42	Study of transient heat conduction in 2.5D domains using the boundary element method. *Engineering Analysis With Boundary Elements*, **2004**, 28, 593-606	2.6	14
41	Scattering of seismic waves generated by an irregular seabed. *Computers and Structures*, **2004**, 82, 1793-1804	3.8	4
40	Heat conduction across double brick walls via BEM. *Building and Environment*, **2004**, 39, 51-58	6.5	15
39	The use of monopole and dipole sources in crosswell surveying. *Journal of Applied Geophysics*, **2004**, 56, 231-245	1.7	7
38	ACOUSTIC INSERTION LOSS PROVIDED BY RIGID ACOUSTIC BARRIERS OF DIFFERENT SHAPES. *Journal of Computational Acoustics*, **2003**, 11, 503-519		5
37	Assessing the effect of a barrier between two rooms subjected to low frequency sound using the boundary element method. *Applied Acoustics*, **2003**, 64, 287-310	3.1	8
36	Analytical evaluation of the acoustic insulation provided by double infinite walls. *Journal of Sound and Vibration*, **2003**, 263, 113-129	3.9	47
35	A note on the acoustic insulation between two-dimensional acoustic spaces at low frequencies. *Journal of Sound and Vibration*, **2003**, 261, 185-191	3.9	8
34	Response of clamped structural slabs subjected to a dynamic point load via BEM. *Engineering Structures*, **2003**, 25, 293-301	4.7	2
33	Wave scattering by infinite cylindrical shell structures submerged in a fluid medium. *Wave Motion*, **2003**, 38, 131-149	1.8	8
32	Steady-state moisture diffusion in curved walls, in the absence of condensate flow, via the BEM: a practical Civil Engineering approach (Glaser method). *Building and Environment*, **2003**, 38, 677-688	6.5	7
31	Scattering of acoustic waves by movable lightweight elastic screens. *Engineering Analysis With Boundary Elements*, **2003**, 27, 215-226	2.6	12
30	Bond Geometry and Shear Strength of Steel Plates Bonded to Concrete on Heating. *Journal of Materials in Civil Engineering*, **2003**, 15, 586-593	3	3
29	ACOUSTIC INSULATION OF SINGLE PANEL WALLS PROVIDED BY ANALYTICAL EXPRESSIONS VERSUS THE MASS LAW. *Journal of Sound and Vibration*, **2002**, 257, 457-475	3.9	38
28	ACOUSTIC INSULATION PROVIDED BY A SINGLE WALL SEPARATING TWO CONTIGUOUS TUNNELS VIA BEM. *Journal of Sound and Vibration*, **2002**, 257, 945-965	3.9	10

27	Wave motion between two fluid-filled boreholes in an elastic medium. *Engineering Analysis With Boundary Elements*, **2002**, 26, 101-117	2.6	10
26	The scattering of 3D sound sources by rigid barriers in the vicinity of tall buildings. *Engineering Analysis With Boundary Elements*, **2002**, 26, 781-787	2.6	6
25	The importance of a small wall deformation in the three-dimensional acoustic logging results. *Geophysical Journal International*, **2002**, 151, 403-415	2.6	3
24	Influence of the cross-section geometry of a cylindrical solid submerged in an acoustic medium on wave propagation. *Wave Motion*, **2002**, 36, 23-39	1.8	6
23	3D scattering of waves by a cylindrical irregular cavity of infinite length in a homogeneous elastic medium. *Computer Methods in Applied Mechanics and Engineering*, **2002**, 191, 3015-3033	5.7	19
22	Green's functions for 2.5D elastodynamic problems in a free solid layer formation. *Engineering Structures*, **2002**, 24, 491-499	4.7	10
21	3D seismic response of a limited valley via BEM using 2.5D analytical Green's functions for an infinite free-rigid layer. *Soil Dynamics and Earthquake Engineering*, **2002**, 22, 659-673	3.5	13
20	Definition of two-dimensional condensation via BEM, using the Glaser method approach. *Engineering Analysis With Boundary Elements*, **2002**, 26, 527-536	2.6	3
19	Sound propagation around rigid barriers laterally confined by tall buildings. *Applied Acoustics*, **2002**, 63, 595-609	3.1	16
18	Green's function for two-and-a-half dimensional elastodynamic problems in a half-space. *Computational Mechanics*, **2001**, 27, 484-491	4	34
17	3-D wave propagation in fluid-filled irregular boreholes in elastic formations. *Soil Dynamics and Earthquake Engineering*, **2001**, 21, 499-517	3.5	16
16	Amplification of elastic waves due to a point source in the presence of complex surface topography. *Computers and Structures*, **2001**, 79, 1697-1712	4.5	5
15	Performance of the BEM solution in 3D acoustic wave scattering. *Advances in Engineering Software*, **2001**, 32, 629-639	3.6	16
14	3D scattering by multiple cylindrical cavities buried in an elastic formation. *European Journal of Mechanics, A/Solids*, **2001**, 20, 367-383	3.7	10
13	3D acoustic scattering from an irregular fluid waveguide via the BEM. *Engineering Analysis With Boundary Elements*, **2001**, 25, 443-453	2.6	13
12	APPLICATIONS OF THE GREEN FUNCTIONS IN THE STUDY OF ACOUSTIC PROBLEMS IN OPEN AND CLOSED SPACES. *Journal of Sound and Vibration*, **2001**, 247, 117-130	3.9	1
11	Sound transmission through single, double and triple glazing. Experimental evaluation. *Applied Acoustics*, **2001**, 62, 307-325	3.1	80
10	3D sound scattering by rigid barriers in the vicinity of tall buildings. *Applied Acoustics*, **2001**, 62, 1229-1248	3.1	23

9	ACOUSTIC SCATTERING FROM A 2-D FLUID WAVEGUIDE WITH AN IRREGULAR FLOOR VIA THE BEM. *Journal of Computational Acoustics*, **2001**, 09, 367-380		4
8	High-Temperature Compressive Strength of Steel Fiber High-Strength Concrete. *Journal of Materials in Civil Engineering*, **2001**, 13, 230-234	3	14
7	Use of constant, linear and quadratic boundary elements in 3D wave diffraction analysis. *Engineering Analysis With Boundary Elements*, **2000**, 24, 131-144	2.6	22
6	Frequency and Time Numerical Solutions of 3D Sound Propagation in Open and Closed Spaces. *Building Acoustics*, **2000**, 7, 247-261	1	1
5	Green's Functions for Two-and-a-Half-Dimensional Elastodynamic Problems. *Journal of Engineering Mechanics - ASCE*, **2000**, 126, 1093-1097	2.4	90
4	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	2.6	38
3	Three-dimensional wave scattering by a fixed cylindrical inclusion submerged in a fluid medium. *Engineering Analysis With Boundary Elements*, **1999**, 23, 745-755	2.6	16
2	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	2.6	50
1	Scattering of waves by subterranean structures via the boundary element method. *Soil Dynamics and Earthquake Engineering*, **1996**, 15, 387-397	3.5	28