

Luiz C Wrobel

List of Publications by Year in descending order

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157
papers

4,248
citations

186209

28
h-index

133188

59
g-index

159
all docs

159
docs citations

159
times ranked

2879
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat pipe based systems - Advances and applications. Energy, 2017, 128, 729-754.	4.5	363
2	Design and construction of a LiBr-water absorption machine. Energy Conversion and Management, 2003, 44, 2483-2508.	4.4	329
3	Numerical modelling of the temperature distribution in a two-phase closed thermosyphon. Applied Thermal Engineering, 2013, 60, 122-131.	3.0	203
4	The dual reciprocity boundary element formulation for nonlinear diffusion problems. Computer Methods in Applied Mechanics and Engineering, 1987, 65, 147-164.	3.4	181
5	Measures used to lower building energy consumption and their cost effectiveness. Applied Energy, 2002, 73, 299-328.	5.1	177
6	Thermoelectric generator (TEG) technologies and applications. International Journal of Thermofluids, 2021, 9, 100063.	4.0	170
7	Modelling and simulation of an absorption solar cooling system for Cyprus. Solar Energy, 2002, 72, 43-51.	2.9	147
8	Modelling, simulation and warming impact assessment of a domestic-size absorption solar cooling system. Applied Thermal Engineering, 2002, 22, 1313-1325.	3.0	145
9	CFD modelling of a two-phase closed thermosyphon charged with R134a and R404a. Applied Thermal Engineering, 2015, 78, 482-490.	3.0	145
10	Surface water filtration using granular media and membranes: A review. Science of the Total Environment, 2018, 639, 1268-1282.	3.9	117
11	Review of solar and low energy cooling technologies for buildings. Renewable and Sustainable Energy Reviews, 2002, 6, 557-572.	8.2	109
12	Three-dimensional CFD simulation of geyser boiling in a two-phase closed thermosyphon. International Journal of Hydrogen Energy, 2016, 41, 16463-16476.	3.8	97
13	Applications and thermal management of rechargeable batteries for industrial applications. Energy, 2019, 170, 849-861.	4.5	92
14	A formulation of the boundary element method for axisymmetric transient heat conduction. International Journal of Heat and Mass Transfer, 1981, 24, 843-850.	2.5	83
15	Modeling of the modern houses of Cyprus and energy consumption analysis. Energy, 2000, 25, 915-937.	4.5	62
16	An inverse geometry problem for the localisation of skin tumours by thermal analysis. Engineering Analysis With Boundary Elements, 2007, 31, 803-811.	2.0	50
17	Numerical modelling of acoustic pressure fields to optimize the ultrasonic cleaning technique for cylinders. Ultrasonics Sonochemistry, 2018, 45, 7-16.	3.8	50
18	A BEM formulation using B-splines: l-uniform blending functions. Engineering Analysis With Boundary Elements, 1990, 7, 136-144.	2.0	47

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19	The dual reciprocity boundary element method for spontaneous ignition. International Journal for Numerical Methods in Engineering, 1990, 30, 953-963.	1.5	46
20	Experimental and numerical investigation of an air-to-water heat pipe-based heat exchanger. Applied Thermal Engineering, 2015, 78, 339-350.	3.0	46
21	Title is missing!. International Journal of Fracture, 2002, 114, 47-61.	1.1	41
22	On the convergence of the dual reciprocity boundary element method. Engineering Analysis With Boundary Elements, 1994, 13, 291-298.	2.0	36
23	A novel boundary integral formulation for three-dimensional analysis of thin acoustic barriers over an impedance plane. Journal of the Acoustical Society of America, 1998, 104, 671-678.	0.5	36
24	Radial integration boundary integral and integro-differential equation methods for two-dimensional heat conduction problems with variable coefficients. Engineering Analysis With Boundary Elements, 2012, 36, 685-695.	2.0	35
25	Three-dimensional scattering of seismic waves from topographical structures. Soil Dynamics and Earthquake Engineering, 1997, 16, 41-61.	1.9	34
26	A novel dual reciprocity boundary element formulation for two-dimensional transient convection-diffusion-reaction problems with variable velocity. Engineering Analysis With Boundary Elements, 2018, 94, 60-68.	2.0	33
27	Tracking of immiscible interfaces in multiple-material mixing processes. Computational Materials Science, 2004, 29, 103-118.	1.4	31
28	A DUAL BOUNDARY ELEMENT FORMULATION FOR SOUND PROPAGATION AROUND BARRIERS OVER AN IMPEDANCE PLANE. Journal of Sound and Vibration, 1997, 202, 235-247.	2.1	30
29	A thermoregulation model for hypothermic treatment of neonates. Medical Engineering and Physics, 2016, 38, 988-998.	0.8	30
30	A dual reciprocity boundary element formulation for convection-diffusion problems with variable velocity fields. Engineering Analysis With Boundary Elements, 1991, 8, 312-319.	2.0	28
31	A boundary integral formulation for two-dimensional acoustic radiation in a subsonic uniform flow. Journal of the Acoustical Society of America, 1996, 100, 98-107.	0.5	28
32	The dual reciprocity boundary element formulation for convection-diffusion-reaction problems with variable velocity field using different radial basis functions. International Journal of Mechanical Sciences, 2018, 145, 367-377.	3.6	25
33	Radial integration boundary element method for two-dimensional non-homogeneous convection-diffusion-reaction problems with variable source term. Engineering Analysis With Boundary Elements, 2019, 101, 89-101.	2.0	25
34	Boundary elements for non-linear heat conduction problems. Communications in Applied Numerical Methods, 1988, 4, 617-622.	0.5	24
35	Tensile behaviour of S690QL and S960QL under high strain rate. Journal of Constructional Steel Research, 2018, 150, 570-580.	1.7	24
36	NUMERICAL ANALYSIS OF CONVECTION-DIFFUSION PROBLEMS USING THE BOUNDARY ELEMENT METHOD. International Journal of Numerical Methods for Heat and Fluid Flow, 1991, 1, 3-18.	1.6	23

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37	Identification of phase change fronts by Bezier splines and BEM. International Journal of Thermal Sciences, 2002, 41, 492-499.	2.6	23
38	A BEM formulation using B-splines: II-multiple knots and non-uniform blending functions. Engineering Analysis With Boundary Elements, 1991, 8, 51-55.	2.0	22
39	Global interpolation function based DRBEM applied to Darcy's flow in heterogeneous media. Engineering Analysis With Boundary Elements, 1995, 16, 281-285.	2.0	21
40	A coupled dual reciprocity BEM/genetic algorithm for identification of blood perfusion parameters. International Journal of Numerical Methods for Heat and Fluid Flow, 2009, 19, 25-38.	1.6	21
41	Preliminary results of the modelling of the Mexico City valley with a two-dimensional boundary element method for the scattering of SH waves. Soil Dynamics and Earthquake Engineering, 1993, 12, 457-468.	1.9	20
42	Application of Lagrangian particle transport model to tuberculosis (TB) bacteria UV dosing in a ventilated isolation room. International Journal of Environmental Health Research, 2001, 11, 219-228.	1.3	20
43	A combined study of heat and mass transfer in an infant incubator with an overhead screen. Medical Engineering and Physics, 2007, 29, 531-541.	0.8	20
44	Boundary element formulations for the numerical solution of two-dimensional diffusion problems with variable coefficients. Computers and Mathematics With Applications, 2012, 64, 2695-2711.	1.4	20
45	Boundary element analysis of viscous flow by penalty function formulation. Engineering Analysis, 1986, 3, 194-200.	0.1	19
46	Dual boundary element method for axisymmetric crack analysis. International Journal of Fracture, 2002, 113, 267-284.	1.1	19
47	Modelling the interfacial flow of two immiscible liquids in mixing processes. International Journal of Engineering Science, 2005, 43, 1234-1256.	2.7	19
48	Modelling of heat and mass transfer processes in neonatology. Biomedical Materials (Bristol), 2008, 3, 034113.	1.7	19
49	Online-CPD-Coupled Large-Eddy Simulation of Pulverized-Coal Pyrolysis in a Hot Turbulent Nitrogen Jet. Combustion Science and Technology, 2017, 189, 103-131.	1.2	19
50	Numerical modelling of skin tumour tissue with temperature-dependent properties for dynamic thermography. Computers in Biology and Medicine, 2019, 112, 103367.	3.9	19
51	The use of Design of Experiments for steady-state and transient inverse melanoma detection problems. International Journal of Thermal Sciences, 2019, 135, 256-275.	2.6	19
52	Micromechanical response of fibre-reinforced materials using the boundary element technique. Composite Structures, 2003, 62, 341-352.	3.1	18
53	Genetic algorithms for inverse cathodic protection problems. Engineering Analysis With Boundary Elements, 2004, 28, 267-277.	2.0	18
54	Numerical modelling of thermal processes in an electrical transformer dipped into polymerised resin by using commercial CFD package fluent. Computers and Fluids, 2004, 33, 859-868.	1.3	18

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55	A thermoregulation model for whole body cooling hypothermia. <i>Journal of Thermal Biology</i> , 2018, 78, 122-130.	1.1	18
56	Cubic Bezier splines for BEM heat transfer analysis of the 2-D continuous casting problems. <i>Computational Mechanics</i> , 2002, 28, 282-290.	2.2	16
57	Dynamics of annular gas-liquid two-phase swirling jets. <i>International Journal of Multiphase Flow</i> , 2009, 35, 450-467.	1.6	16
58	Modified Green's functions for shallow water acoustic wave propagation. <i>Engineering Analysis With Boundary Elements</i> , 2004, 28, 1375-1385.	2.0	15
59	On boundary elements for external potential problems. <i>Mechanics Research Communications</i> , 1984, 11, 373-377.	1.0	14
60	A front-tracking BEM formulation for one-phase solidification/melting problems. <i>Engineering Analysis With Boundary Elements</i> , 1995, 16, 171-182.	2.0	14
61	Title is missing!. <i>Journal of Engineering Mathematics</i> , 2000, 37, 305-326.	0.6	14
62	An overview of recent applications of computational modelling in neonatology. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 2817-2834.	1.6	14
63	Performance evaluation of multilayer thin film coatings under mixed rolling-sliding dry contact conditions. <i>Wear</i> , 2010, 268, 269-276.	1.5	14
64	A boundary element formulation for natural convection problems. <i>International Journal for Numerical Methods in Fluids</i> , 1988, 8, 139-149.	0.9	13
65	Parametric study of the contact stresses around spherical and cylindrical inclusions. <i>Computational Materials Science</i> , 2002, 25, 115-121.	1.4	13
66	Numerical investigation of design parameters for optimization of the in-situ ultrasonic fouling removal technique for pipelines. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 94-104.	3.8	13
67	Uncertainty analysis of groundwater flow with DRBEM. <i>Engineering Analysis With Boundary Elements</i> , 1997, 19, 217-221.	2.0	12
68	A thermal model for reptiles and pelycosaur. <i>Journal of Thermal Biology</i> , 1999, 24, 1-13.	1.1	12
69	Evolution of domestic dwellings in Cyprus and energy analysis. <i>Renewable Energy</i> , 2001, 23, 219-234.	4.3	12
70	Analytical Equilibrium Swirling Inflow Conditions for Computational Fluid Dynamics. <i>AIAA Journal</i> , 2008, 46, 1015-1019.	1.5	12
71	Numerical solution of two-dimensional mixed problems with variable coefficients by the boundary-domain integral and integro-differential equation methods. <i>Engineering Analysis With Boundary Elements</i> , 2011, 35, 1279-1287.	2.0	12
72	Simultaneous control of solidus and liquidus lines in alloy solidification. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 211-224.	2.0	12

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73	Modelling and optimisation of the operation of a radiant warmer. <i>Medical Engineering and Physics</i> , 2014, 36, 81-87.	0.8	12
74	The Explicit Greenâ€™s Approach with stability enhancement for solving the bioheat transfer equation. <i>International Journal of Heat and Mass Transfer</i> , 2014, 76, 393-404.	2.5	12
75	Characterization of the Use of Low Frequency Ultrasonic Guided Waves to Detect Fouling Deposition in Pipelines. <i>Sensors</i> , 2018, 18, 2122.	2.1	12
76	Groundwater parameter estimation by optimization and DRBEM. <i>Engineering Analysis With Boundary Elements</i> , 1997, 19, 97-103.	2.0	11
77	A BEM-based genetic algorithm for identification of polarization curves in cathodic protection systems. <i>International Journal for Numerical Methods in Engineering</i> , 2002, 54, 159-174.	1.5	11
78	On the block wavelet transform applied to the boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2004, 28, 571-581.	2.0	11
79	A computational model for the cooling phase of injection moulding. <i>Journal of Materials Processing Technology</i> , 2008, 195, 305-313.	3.1	11
80	A numerical study of an annular liquid jet in a compressible gas medium. <i>International Journal of Multiphase Flow</i> , 2008, 34, 393-407.	1.6	11
81	Numerical investigation of a perturbed swirling annular two-phase jet. <i>International Journal of Heat and Fluid Flow</i> , 2009, 30, 481-493.	1.1	11
82	Numerical solution of the two-dimensional Helmholtz equation with variable coefficients by the radial integration boundary integral and integro-differential equation methods. <i>International Journal of Computer Mathematics</i> , 2012, 89, 1463-1487.	1.0	11
83	Subdomain BEM formulations for the solution of bio-heat problems in biological tissue with melanoma lesions. <i>Engineering Analysis With Boundary Elements</i> , 2017, 83, 25-42.	2.0	11
84	Design of constant temperature cooling device for melanoma screening by dynamic thermography. <i>Engineering Analysis With Boundary Elements</i> , 2021, 125, 66-79.	2.0	11
85	Techno-economic assessment of a rotary kiln shell radiation waste heat recovery system. <i>Thermal Science and Engineering Progress</i> , 2021, 23, 100858.	1.3	11
86	Boundary element approach to mass and charge transport in electrochemical cells. <i>Engineering Analysis With Boundary Elements</i> , 1995, 15, 299-312.	2.0	10
87	A Boundary Element Method for Multiple Moving Boundary Problems. <i>Journal of Computational Physics</i> , 1997, 138, 501-519.	1.9	10
88	Heat and solute diffusion with a moving interface: a boundary element approach. <i>International Journal of Heat and Mass Transfer</i> , 1998, 41, 2429-2436.	2.5	10
89	Fast solution of problems with multiple load cases by using wavelet-compressed boundary element matrices. <i>Communications in Numerical Methods in Engineering</i> , 2003, 19, 387-399.	1.3	10
90	Hydrodynamic analysis of binary immiscible metallurgical flow in a novel mixing process: rheomixing. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 549-559.	1.1	10

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91	Experimental and CFD validation of the thermal performance of a cryogenic batch freezer with the effect of loading. <i>Energy</i> , 2019, 171, 77-94.	4.5	10
92	Patient-Specific Bone Multiscale Modelling, Fracture Simulation and Risk Analysis—A Survey. <i>Materials</i> , 2020, 13, 106.	1.3	10
93	Aquifer parameter estimation by extended Kalman filtering and boundary elements. <i>Engineering Analysis With Boundary Elements</i> , 1997, 19, 231-237.	2.0	9
94	Natural environment and thermal behaviour of <i>Dimetrodon limbatus</i> . <i>Journal of Thermal Biology</i> , 2001, 26, 15-20.	1.1	9
95	Earth-contact heat transfer: improvement and application of a novel simulation technique. <i>Energy and Buildings</i> , 2002, 34, 333-344.	3.1	9
96	Inverse analysis of continuous casting processes. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2003, 13, 547-564.	1.6	9
97	Fluid flow aspects of twin-screw extruder process: numerical simulations of TSE rheomixing. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2003, 11, 771-790.	0.8	9
98	Performance evaluation of a multi-pass air-to-water thermosyphon-based heat exchanger. <i>Energy</i> , 2017, 139, 1243-1260.	4.5	9
99	Boundary element method for fluid flow. <i>Advances in Water Resources</i> , 1979, 2, 83-89.	1.7	8
100	Modal solution of transient heat conduction utilizing Lanczos algorithm. <i>International Journal for Numerical Methods in Engineering</i> , 1989, 28, 13-25.	1.5	8
101	Low Reynolds number deformation of viscous drops in a bounded flow region under surface tension. <i>Mathematical and Computer Modelling</i> , 2000, 31, 99-118.	2.0	8
102	Direct numerical simulation of the near-field dynamics of annular gas-liquid two-phase jets. <i>Physics of Fluids</i> , 2009, 21, 042103.	1.6	8
103	Drop deformation in Stokes flow through converging channels. <i>Engineering Analysis With Boundary Elements</i> , 2009, 33, 993-1000.	2.0	8
104	Comparison of flow and dispersion properties of free and wall turbulent jets for source dynamics characterisation. <i>Environmental Modelling and Software</i> , 2009, 24, 926-937.	1.9	8
105	Low cycle fatigue simulation and fatigue life prediction of multilayer coated surfaces. <i>Wear</i> , 2010, 269, 639-646.	1.5	8
106	A hypersingular integral equation formulation for Stokes' flow in ducts. <i>Engineering Analysis With Boundary Elements</i> , 1993, 12, 185-193.	2.0	7
107	Boundary integral formulation for slow viscous flow in a deforming region containing a solid inclusion. <i>Engineering Analysis With Boundary Elements</i> , 2000, 24, 53-63.	2.0	7
108	Fracture response of fibre-reinforced materials with macro/microcrack damage using the Boundary Element Technique. <i>International Journal of Fracture</i> , 2003, 121, 163-182.	1.1	7

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109	Numerical evaluation of immiscible metallic Zn-Pb binary alloys in shear-induced turbulent flow. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 365, 325-329.	2.6	7
110	Heat and mass transfer under an infant radiant warmer development of a numerical model. <i>Medical Engineering and Physics</i> , 2010, 32, 497-504.	0.8	7
111	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.	3.4	7
112	Elastic-plastic analysis of shell structures. <i>Computers and Structures</i> , 1978, 9, 351-358.	2.4	6
113	h-Hierarchical functions for 2D and 3D BEM. <i>Engineering Analysis With Boundary Elements</i> , 1995, 16, 341-349.	2.0	6
114	Coupling of conductive, convective and radiative heat transfer in Czochralski crystal growth process. <i>Computational Materials Science</i> , 2002, 25, 570-576.	1.4	6
115	Application of BEM and sensitivity analysis to the solution of the governing diffusion-convection equation for a continuous casting process. <i>Engineering Analysis With Boundary Elements</i> , 2004, 28, 389-403.	2.0	6
116	Solution of hyperbolic bioheat conduction models based on adaptive time integrators. <i>Finite Elements in Analysis and Design</i> , 2018, 149, 1-14.	1.7	6
117	Unconfined Flow through Porous Media Using B-spline Boundary Elements. <i>Journal of Hydraulic Engineering</i> , 1991, 117, 1479-1494.	0.7	5
118	Numerical simulation of dendritic crystal growth in a channel. <i>Engineering Analysis With Boundary Elements</i> , 1997, 19, 331-337.	2.0	5
119	Identification of coating defects in cathodically protected underground pipelines. <i>International Journal for Numerical Methods in Engineering</i> , 2003, 58, 913-932.	1.5	5
120	A topological optimization procedure applied to multiple region problems with embedded sources. <i>International Journal of Heat and Mass Transfer</i> , 2014, 78, 121-129.	2.5	5
121	Numerical simulation of turbulent flow in a channel containing a small slot. <i>International Journal of Heat and Fluid Flow</i> , 2016, 61, 343-354.	1.1	5
122	A locally stabilized explicit approach for nonlinear heat conduction analysis. <i>Computers and Structures</i> , 2019, 214, 40-47.	2.4	5
123	Application of the radial integration method for the buckling analysis of plates with shear deformation. <i>Engineering Analysis With Boundary Elements</i> , 2020, 118, 250-264.	2.0	5
124	Exergo-economic comparison of waste heat recovery cycles for a cement industry case study. <i>Energy Conversion and Management: X</i> , 2022, 13, 100180.	0.9	5
125	A general integral equation formulatin for homogeneous orthotropic potential problems. <i>Engineering Analysis With Boundary Elements</i> , 1992, 10, 323-332.	2.0	4
126	Weighted average flux method and flux limiters for the numerical simulation of shock waves in rigid porous media. <i>International Journal for Numerical Methods in Fluids</i> , 2002, 40, 1187-1207.	0.9	4

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127	An efficient numerical model for contact-induced crack propagation analysis. International Journal of Solids and Structures, 2002, 39, 5719-5736.	1.3	4
128	Numerical analysis of the hydrodynamic behaviour of immiscible metallic alloys in twin-screw rheomixing process. Materials & Design, 2006, 27, 1065-1075.	5.1	4
129	Large eddy simulation of plume dispersion behind an aircraft in the take-off phase. Environmental Fluid Mechanics, 2009, 9, 457-470.	0.7	4
130	Application of the dual reciprocity method for the buckling analysis of plates with shear deformation. Engineering Analysis With Boundary Elements, 2019, 106, 427-439.	2.0	4
131	Numerical modelling of convection-diffusion problems with first-order chemical reaction using the dual reciprocity boundary element method. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, ahead-of-print, .	1.6	4
132	A new h-adaptive refinement scheme for the boundary element method using local reanalysis. Applied Mathematics and Computation, 1997, 82, 239-271.	1.4	3
133	Numerical and experimental investigation of the morphology development of expansion clouds by a powder jet flow. Fire Safety Journal, 2004, 39, 601-617.	1.4	3
134	Optimisation of continuous and pulsed cooling in injection moulding processes. Plastics, Rubber and Composites, 2007, 36, 93-100.	0.9	3
135	DRBEM formulation for transient Stokes flow with slip boundary condition. Engineering Analysis With Boundary Elements, 2017, 75, 65-78.	2.0	3
136	Ultrasonic Transducer Array Performance for Improved Cleaning of Pipelines in Marine and Freshwater Applications. Applied Sciences (Switzerland), 2019, 9, 4353.	1.3	3
137	BESLE: Boundary element software for 3D linear elasticity. Computer Physics Communications, 2021, 265, 108009.	3.0	3
138	A boundary element investigation of natural convection problems. Advances in Water Resources, 1988, 11, 139-143.	1.7	2
139	USE OF ISOTROPIC FUNDAMENTAL SOLUTIONS FOR HEAT CONDUCTION IN ANISOTROPIC MEDIA. International Journal of Numerical Methods for Heat and Fluid Flow, 1993, 3, 49-62.	1.6	2
140	The use of C_0 boundary elements in an improved numerical formulation for three-dimensional acoustic radiation problems. Journal of the Acoustical Society of America, 1994, 95, 2387-2398.	0.5	2
141	A New Displacement-based Approach to Calculate Stress Intensity Factors With the Boundary Element Method. Latin American Journal of Solids and Structures, 2015, 12, 1677-1697.	0.6	2
142	Numerical Design and Laboratory Testing of Encapsulated PCM Panels for PCM-Air Heat Exchangers. Applied Sciences (Switzerland), 2021, 11, 676.	1.3	2
143	Transient Convection-Diffusion-Reaction Problems with Variable Velocity Field by Means of DRBEM with Different Radial Basis Functions. , 2020, , 21-43.		2
144	Experimental and Numerical Simulation of Girth Welded Joints of Dissimilar Metals in Clad Pipes. International Journal of Offshore and Polar Engineering, 2018, 28, 380-386.	0.3	2

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145	Finite Element Solution of Groundwater Flow Problems by Lanczos Algorithm. Developments in Water Science, 1988, 35, 59-64.	0.1	1
146	TRANSIENT THERMOELASTICITY BY MULTIPLE RECIPROCITY METHOD. International Journal of Numerical Methods for Heat and Fluid Flow, 1993, 3, 107-119.	1.6	1
147	An application of the dual reciprocity boundary element method to magnetic field and eddy current problems. IEEE Transactions on Magnetics, 1994, 30, 3566-3569.	1.2	1
148	A parametric study of inclusion interaction in particulate- and fibre-reinforced materials using the boundary element technique. Journal of Strain Analysis for Engineering Design, 2002, 37, 47-58.	1.0	1
149	CFD model of a lab scale cryogenic batch freezer with the investigation of varying effects on the heat transfer coefficient. Energy Procedia, 2017, 123, 256-264.	1.8	1
150	Influence of Loading Rate on the Fracture Toughness of High Strength Structural Steel. Procedia Structural Integrity, 2018, 13, 877-885.	0.3	1
151	A Boundary Element Investigation of Natural Convection Problems. Developments in Water Science, 1988, 36, 103-114.	0.1	0
152	Boundary and Geometry Inverse Thermal Problems in Continuous Casting. , 2003, , 21-31.		0
153	Two-phase flow patterns in turbulent flow through a dose diffusion pipe. Nuclear Engineering and Design, 2005, 235, 1001-1014.	0.8	0
154	Three efficient numerical models to analyse the step problem in shallow water. Engineering Analysis With Boundary Elements, 2016, 62, 44-56.	2.0	0
155	A coupled BEM/FEM formulation for drop interaction in Stokes flows with flexible and slip confining boundaries. Engineering Analysis With Boundary Elements, 2017, 77, 112-122.	2.0	0
156	Parallel Direct Numerical Simulation of an Annular Gas-Liquid Two-Phase Jet with Swirl. Springer Optimization and Its Applications, 2009, , 223-236.	0.6	0
157	A parallel finite volume method for incompressible and slightly compressible reactive flows. International Journal for Numerical Methods in Engineering, 0, , .	1.5	0