# Luiz C Wrobel

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 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 | Exergo-economic comparison of waste heat recovery cycles for a cement industry case study. Energy Conversion and Management: X, 2022, 13, 100180. | 0.9 | 5 |
| 2 | Numerical Design and Laboratory Testing of Encapsulated PCM Panels for PCM-Air Heat Exchangers. Applied Sciences (Switzerland), 2021, 11, 676. | 1.3 | 2 |
| 3 | Thermoelectric generator (TEG) technologies and applications. International Journal of Thermofluids, 2021, 9, 100063. | 4.0 | 170 |
| 4 | Design of constant temperature cooling device for melanoma screening by dynamic thermography. Engineering Analysis With Boundary Elements, 2021, 125, 66-79. | 2.0 | 11 |
| 5 | Techno-economic assessment of a rotary kiln shell radiation waste heat recovery system. Thermal Science and Engineering Progress, 2021, 23, 100858. | 1.3 | 11 |
| 6 | 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 |
| 7 | BESLE: Boundary element software for 3D linear elasticity. Computer Physics Communications, 2021, 265, 108009. | 3.0 | 3 |
| 8 | Patient-Specific Bone Multiscale Modelling, Fracture Simulation and Risk Analysisâ€"A Survey. Materials, 2020, 13, 106. | 1.3 | 10 |
| 9 | Application of the radial integration method for the buckling analysis of plates with shear deformation. Engineering Analysis With Boundary Elements, 2020, 118, 250-264. | 2.0 | 5 |
| 10 | Multiscale model of the role of grain boundary structures in the dynamic intergranular failure of polycrystal aggregates. Computer Methods in Applied Mechanics and Engineering, 2020, 362, 112868. | 3.4 | 7 |
| 11 | Transient Convection-Diffusion-Reaction Problems with Variable Velocity Field by Means of DRBEM with Different Radial Basis Functions. , 2020, , 21-43. | | 2 |
| 12 | Numerical modelling of skin tumour tissue with temperature-dependent properties for dynamic thermography. Computers in Biology and Medicine, 2019, 112, 103367. | 3.9 | 19 |
| 13 | Ultrasonic Transducer Array Performance for Improved Cleaning of Pipelines in Marine and Freshwater Applications. Applied Sciences (Switzerland), 2019, 9, 4353. | 1.3 | 3 |
| 14 | Radial integration boundary element method for two-dimensional non-homogeneous convectionâ€"diffusionâ€"reaction problems with variable source term. Engineering Analysis With Boundary Elements, 2019, 101, 89-101. | 2.0 | 25 |
| 15 | 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 |
| 16 | Numerical investigation of design parameters for optimization of the in-situ ultrasonic fouling removal technique for pipelines. Ultrasonics Sonochemistry, 2019, 56, 94-104. | 3.8 | 13 |
| 17 | A locally stabilized explicit approach for nonlinear heat conduction analysis. Computers and Structures, 2019, 214, 40-47. | 2.4 | 5 |
| 18 | Experimental and CFD validation of the thermal performance of a cryogenic batch freezer with the effect of loading. Energy, 2019, 171, 77-94. | 4.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Applications and thermal management of rechargeable batteries for industrial applications. Energy, 2019, 170, 849-861. | 4.5 | 92 |
| 20 | 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 |
| 21 | Numerical modelling of acoustic pressure fields to optimize the ultrasonic cleaning technique for cylinders. Ultrasonics Sonochemistry, 2018, 45, 7-16. | 3.8 | 50 |
| 22 | Influence of Loading Rate on the Fracture Toughness of High Strength Structural Steel. Procedia Structural Integrity, 2018, 13, 877-885. | 0.3 | 1 |
| 23 | A thermoregulation model for whole body cooling hypothermia. Journal of Thermal Biology, 2018, 78, 122-130. | 1.1 | 18 |
| 24 | Tensile behaviour of S690QL and S960QL under high strain rate. Journal of Constructional Steel Research, 2018, 150, 570-580. | 1.7 | 24 |
| 25 | Surface water filtration using granular media and membranes: A review. Science of the Total Environment, 2018, 639, 1268-1282. | 3.9 | 117 |
| 26 | A novel dual reciprocity boundary element formulation for two-dimensional transient convectionâ€“diffusionâ€“reaction problems with variable velocity. Engineering Analysis With Boundary Elements, 2018, 94, 60-68. | 2.0 | 33 |
| 27 | Solution of hyperbolic bioheat conduction models based on adaptive time integrators. Finite Elements in Analysis and Design, 2018, 149, 1-14. | 1.7 | 6 |
| 28 | Characterization of the Use of Low Frequency Ultrasonic Guided Waves to Detect Fouling Deposition in Pipelines. Sensors, 2018, 18, 2122. | 2.1 | 12 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Heat pipe based systems - Advances and applications. Energy, 2017, 128, 729-754. | 4.5 | 363 |
| 34 | Performance evaluation of a multi-pass air-to-water thermosyphon-based heat exchanger. Energy, 2017, 139, 1243-1260. | 4.5 | 9 |
| 35 | DRBEM formulation for transient Stokes flow with slip boundary condition. Engineering Analysis With Boundary Elements, 2017, 75, 65-78. | 2.0 | 3 |
| 36 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Subdomain BEM formulations for the solution of bio-heat problems in biological tissue with melanoma lesions. Engineering Analysis With Boundary Elements, 2017, 83, 25-42. | 2.0 | 11 |
| 38 | A thermoregulation model for hypothermic treatment of neonates. Medical Engineering and Physics, 2016, 38, 988-998. | 0.8 | 30 |
| 39 | Numerical simulation of turbulent flow in a channel containing a small slot. International Journal of Heat and Fluid Flow, 2016, 61, 343-354. | 1.1 | 5 |
| 40 | 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 |
| 41 | Three efficient numerical models to analyse the step problem in shallow water. Engineering Analysis With Boundary Elements, 2016, 62, 44-56. | 2.0 | 0 |
| 42 | 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 |
| 43 | CFD modelling of a two-phase closed thermosyphon charged with R134a and R404a. Applied Thermal Engineering, 2015, 78, 482-490. | 3.0 | 145 |
| 44 | Experimental and numerical investigation of an air-to-water heat pipe-based heat exchanger. Applied Thermal Engineering, 2015, 78, 339-350. | 3.0 | 46 |
| 45 | Modelling and optimisation of the operation of a radiant warmer. Medical Engineering and Physics, 2014, 36, 81-87. | 0.8 | 12 |
| 46 | A topological optimization procedure applied to multiple region problems with embedded sources. International Journal of Heat and Mass Transfer, 2014, 78, 121-129. | 2.5 | 5 |
| 47 | The Explicit Greenâ€™s Approach with stability enhancement for solving the bioheat transfer equation. International Journal of Heat and Mass Transfer, 2014, 76, 393-404. | 2.5 | 12 |
| 48 | Numerical modelling of the temperature distribution in a two-phase closed thermosyphon. Applied Thermal Engineering, 2013, 60, 122-131. | 3.0 | 203 |
| 49 | Simultaneous control of solidus and liquidus lines in alloy solidification. Engineering Analysis With Boundary Elements, 2013, 37, 211-224. | 2.0 | 12 |
| 50 | Numerical solution of the two-dimensional Helmholtz equation with variable coefficients by the radial integration boundary integral and integro-differential equation methods. International Journal of Computer Mathematics, 2012, 89, 1463-1487. | 1.0 | 11 |
| 51 | 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 |
| 52 | 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 |
| 53 | Numerical solution of two-dimensional mixed problems with variable coefficients by the boundary-domain integral and integro-differential equation methods. Engineering Analysis With Boundary Elements, 2011, 35, 1279-1287. | 2.0 | 12 |
| 54 | An overview of recent applications of computational modelling in neonatology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 2817-2834. | 1.6 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Heat and mass transfer under an infant radiant warmerâ€"development of a numerical model. Medical Engineering and Physics, 2010, 32, 497-504. | 0.8 | 7 |
| 56 | Performance evaluation of multilayer thin film coatings under mixed rollingâ€"sliding dry contact conditions. Wear, 2010, 268, 269-276. | 1.5 | 14 |
| 57 | Low cycle fatigue simulation and fatigue life prediction of multilayer coated surfaces. Wear, 2010, 269, 639-646. | 1.5 | 8 |
| 58 | Direct numerical simulation of the near-field dynamics of annular gas-liquid two-phase jets. Physics of Fluids, 2009, 21, 042103. | 1.6 | 8 |
| 59 | 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 |
| 60 | Drop deformation in Stokes flow through converging channels. Engineering Analysis With Boundary Elements, 2009, 33, 993-1000. | 2.0 | 8 |
| 61 | Large eddy simulation of plume dispersion behind an aircraft in the take-off phase. Environmental Fluid Mechanics, 2009, 9, 457-470. | 0.7 | 4 |
| 62 | Dynamics of annular gasâ€"liquid two-phase swirling jets. International Journal of Multiphase Flow, 2009, 35, 450-467. | 1.6 | 16 |
| 63 | Comparison of flow and dispersion properties of free and wall turbulent jets for source dynamics characterisation. Environmental Modelling and Software, 2009, 24, 926-937. | 1.9 | 8 |
| 64 | Numerical investigation of a perturbed swirling annular two-phase jet. International Journal of Heat and Fluid Flow, 2009, 30, 481-493. | 1.1 | 11 |
| 65 | Parallel Direct Numerical Simulation of an Annular Gasâ€"Liquid Two-Phase Jet with Swirl. Springer Optimization and Its Applications, 2009, , 223-236. | 0.6 | 0 |
| 66 | A computational model for the cooling phase of injection moulding. Journal of Materials Processing Technology, 2008, 195, 305-313. | 3.1 | 11 |
| 67 | A numerical study of an annular liquid jet in a compressible gas medium. International Journal of Multiphase Flow, 2008, 34, 393-407. | 1.6 | 11 |
| 68 | Analytical Equilibrium Swirling Inflow Conditions for Computational Fluid Dynamics. AIAA Journal, 2008, 46, 1015-1019. | 1.5 | 12 |
| 69 | Modelling of heat and mass transfer processes in neonatology. Biomedical Materials (Bristol), 2008, 3, 034113. | 1.7 | 19 |
| 70 | Optimisation of continuous and pulsed cooling in injection moulding processes. Plastics, Rubber and Composites, 2007, 36, 93-100. | 0.9 | 3 |
| 71 | 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 |
| 72 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Numerical analysis of the hydrodynamic behaviour of immiscible metallic alloys in twin-screw rheomixing process. Materials & Design, 2006, 27, 1065-1075. | 5.1 | 4 |
| 74 | Modelling the interfacial flow of two immiscible liquids in mixing processes. International Journal of Engineering Science, 2005, 43, 1234-1256. | 2.7 | 19 |
| 75 | Two-phase flow patterns in turbulent flow through a dose diffusion pipe. Nuclear Engineering and Design, 2005, 235, 1001-1014. | 0.8 | 0 |
| 76 | Hydrodynamic analysis of binary immiscible metallurgical flow in a novel mixing process: rheomixing. Applied Physics A: Materials Science and Processing, 2005, 81, 549-559. | 1.1 | 10 |
| 77 | Modified Green's functions for shallow water acoustic wave propagation. Engineering Analysis With Boundary Elements, 2004, 28, 1375-1385. | 2.0 | 15 |
| 78 | 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 |
| 79 | Numerical evaluation of immiscible metallic Znâ€“Pb binary alloys in shear-induced turbulent flow. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 365, 325-329. | 2.6 | 7 |
| 80 | Genetic algorithms for inverse cathodic protection problems. Engineering Analysis With Boundary Elements, 2004, 28, 267-277. | 2.0 | 18 |
| 81 | Application of BEM and sensitivity analysis to the solution of the governing diffusionâ€“convection equation for a continuous casting process. Engineering Analysis With Boundary Elements, 2004, 28, 389-403. | 2.0 | 6 |
| 82 | On the block wavelet transform applied to the boundary element method. Engineering Analysis With Boundary Elements, 2004, 28, 571-581. | 2.0 | 11 |
| 83 | 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 |
| 84 | Tracking of immiscible interfaces in multiple-material mixing processes. Computational Materials Science, 2004, 29, 103-118. | 1.4 | 31 |
| 85 | Fracture response of fibre-reinforced materials with macro/microcrack damage using the Boundary Element Technique. International Journal of Fracture, 2003, 121, 163-182. | 1.1 | 7 |
| 86 | Design and construction of a LiBrâ€“water absorption machine. Energy Conversion and Management, 2003, 44, 2483-2508. | 4.4 | 329 |
| 87 | Fast solution of problems with multiple load cases by using wavelet-compressed boundary element matrices. Communications in Numerical Methods in Engineering, 2003, 19, 387-399. | 1.3 | 10 |
| 88 | Identification of coating defects in cathodically protected underground pipelines. International Journal for Numerical Methods in Engineering, 2003, 58, 913-932. | 1.5 | 5 |
| 89 | Micromechanical response of fibre-reinforced materials using the boundary element technique. Composite Structures, 2003, 62, 341-352. | 3.1 | 18 |
| 90 | Inverse analysis of continuous casting processes. International Journal of Numerical Methods for Heat and Fluid Flow, 2003, 13, 547-564. | 1.6 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Boundary and Geometry Inverse Thermal Problems in Continuous Casting. , 2003, , 21-31. | | 0 |
| 92 | Fluid flow aspects of twin-screw extruder process: numerical simulations of TSE rheomixing. Modelling and Simulation in Materials Science and Engineering, 2003, 11, 771-790. | 0.8 | 9 |
| 93 | 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 |
| 94 | Parametric study of the contact stresses around spherical and cylindrical inclusions. Computational Materials Science, 2002, 25, 115-121. | 1.4 | 13 |
| 95 | Coupling of conductive, convective and radiative heat transfer in Czochralski crystal growth process. Computational Materials Science, 2002, 25, 570-576. | 1.4 | 6 |
| 96 | A BEM-based genetic algorithm for identification of polarization curves in cathodic protection systems. International Journal for Numerical Methods in Engineering, 2002, 54, 159-174. | 1.5 | 11 |
| 97 | Weighted average flux method and flux limiters for the numerical simulation of shock waves in rigid porous media. International Journal for Numerical Methods in Fluids, 2002, 40, 1187-1207. | 0.9 | 4 |
| 98 | Cubic Bezier splines for BEM heat transfer analysis of the 2-D continuous casting problems. Computational Mechanics, 2002, 28, 282-290. | 2.2 | 16 |
| 99 | Modelling, simulation and warming impact assessment of a domestic-size absorption solar cooling system. Applied Thermal Engineering, 2002, 22, 1313-1325. | 3.0 | 145 |
| 100 | Identification of phase change fronts by Bezier splines and BEM. International Journal of Thermal Sciences, 2002, 41, 492-499. | 2.6 | 23 |
| 101 | Measures used to lower building energy consumption and their cost effectiveness. Applied Energy, 2002, 73, 299-328. | 5.1 | 177 |
| 102 | Earth-contact heat transfer: improvement and application of a novel simulation technique. Energy and Buildings, 2002, 34, 333-344. | 3.1 | 9 |
| 103 | Review of solar and low energy cooling technologies for buildings. Renewable and Sustainable Energy Reviews, 2002, 6, 557-572. | 8.2 | 109 |
| 104 | Modelling and simulation of an absorption solar cooling system for Cyprus. Solar Energy, 2002, 72, 43-51. | 2.9 | 147 |
| 105 | An efficient numerical model for contact-induced crack propagation analysis. International Journal of Solids and Structures, 2002, 39, 5719-5736. | 1.3 | 4 |
| 106 | Dual boundary element method for axisymmetric crack analysis. International Journal of Fracture, 2002, 113, 267-284. | 1.1 | 19 |
| 107 | Title is missing!. International Journal of Fracture, 2002, 114, 47-61. | 1.1 | 41 |
| 108 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Natural environment and thermal behaviour of Dimetrodon limbatus. Journal of Thermal Biology, 2001, 26, 15-20. | 1.1 | 9 |
| 110 | Evolution of domestic dwellings in Cyprus and energy analysis. Renewable Energy, 2001, 23, 219-234. | 4.3 | 12 |
| 111 | Boundary integral formulation for slow viscous flow in a deforming region containing a solid inclusion. Engineering Analysis With Boundary Elements, 2000, 24, 53-63. | 2.0 | 7 |
| 112 | Modeling of the modern houses of Cyprus and energy consumption analysis. Energy, 2000, 25, 915-937. | 4.5 | 62 |
| 113 | Low Reynolds number deformation of viscous drops in a bounded flow region under surface tension. Mathematical and Computer Modelling, 2000, 31, 99-118. | 2.0 | 8 |
| 114 | Title is missing!. Journal of Engineering Mathematics, 2000, 37, 305-326. | 0.6 | 14 |
| 115 | A thermal model for reptiles and pelycosaurs. Journal of Thermal Biology, 1999, 24, 1-13. | 1.1 | 12 |
| 116 | Heat and solute diffusion with a moving interface: a boundary element approach. International Journal of Heat and Mass Transfer, 1998, 41, 2429-2436. | 2.5 | 10 |
| 117 | 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 |
| 118 | Aquifer parameter estimation by extended Kalman filtering and boundary elements. Engineering Analysis With Boundary Elements, 1997, 19, 231-237. | 2.0 | 9 |
| 119 | Groundwater parameter estimation by optimization and DRBEM. Engineering Analysis With Boundary Elements, 1997, 19, 97-103. | 2.0 | 11 |
| 120 | Numerical simulation of dendritic crystal growth in a channel. Engineering Analysis With Boundary Elements, 1997, 19, 331-337. | 2.0 | 5 |
| 121 | Uncertainty analysis of groundwater flow with DRBEM. Engineering Analysis With Boundary Elements, 1997, 19, 217-221. | 2.0 | 12 |
| 122 | Three-dimensional scattering of seismic waves from topographical structures. Soil Dynamics and Earthquake Engineering, 1997, 16, 41-61. | 1.9 | 34 |
| 123 | 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 |
| 124 | A Boundary Element Method for Multiple Moving Boundary Problems. Journal of Computational Physics, 1997, 138, 501-519. | 1.9 | 10 |
| 125 | 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 |
| 126 | A boundary integral formulation for twoâ€dimensional acoustic radiation in a subsonic uniform flow. Journal of the Acoustical Society of America, 1996, 100, 98-107. | 0.5 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | h-Hierarchical functions for 2D and 3D BEM. Engineering Analysis With Boundary Elements, 1995, 16, 341-349. | 2.0 | 6 |
| 128 | Boundary element approach to mass and charge transport in electrochemical cells. Engineering Analysis With Boundary Elements, 1995, 15, 299-312. | 2.0 | 10 |
| 129 | A front-tracking BEM formulation for one-phase solidification/melting problems. Engineering Analysis With Boundary Elements, 1995, 16, 171-182. | 2.0 | 14 |
| 130 | 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 |
| 131 | The use of C0,Î± boundary elements in an improved numerical formulation for threeâ€dimensional acoustic radiation problems. Journal of the Acoustical Society of America, 1994, 95, 2387-2398. | 0.5 | 2 |
| 132 | On the convergence of the dual reciprocity boundary element method. Engineering Analysis With Boundary Elements, 1994, 13, 291-298. | 2.0 | 36 |
| 133 | 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 |
| 134 | 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 |
| 135 | A hypersingular integral equation formulation for Stokes' flow in ducts. Engineering Analysis With Boundary Elements, 1993, 12, 185-193. | 2.0 | 7 |
| 136 | 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 |
| 137 | TRANSIENT THERMOELASTICITY BY MULTIPLE RECIPROCITY METHOD. International Journal of Numerical Methods for Heat and Fluid Flow, 1993, 3, 107-119. | 1.6 | 1 |
| 138 | A general integral equation formulatin for homogeneous orthotropic potential problems. Engineering Analysis With Boundary Elements, 1992, 10, 323-332. | 2.0 | 4 |
| 139 | NUMERICAL ANALYSIS OF CONVECTIONâ€DIFFUSION PROBLEMS USING THE BOUNDARY ELEMENT METHOD. International Journal of Numerical Methods for Heat and Fluid Flow, 1991, 1, 3-18. | 1.6 | 23 |
| 140 | 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 |
| 141 | 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 |
| 142 | Unconfined Flow through Porous Media Using Bâ€Spline Boundary Elements. Journal of Hydraulic Engineering, 1991, 117, 1479-1494. | 0.7 | 5 |
| 143 | The dual reciprocity boundary element method for spontaneous ignition. International Journal for Numerical Methods in Engineering, 1990, 30, 953-963. | 1.5 | 46 |
| 144 | A BEM formulation using B-splines: I-uniform blending functions. Engineering Analysis With Boundary Elements, 1990, 7, 136-144. | 2.0 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Modal solution of transient heat conduction utilizing Lanczos algorithm. International Journal for Numerical Methods in Engineering, 1989, 28, 13-25. | 1.5 | 8 |
| 146 | A boundary element formulation for natural convection problems. International Journal for Numerical Methods in Fluids, 1988, 8, 139-149. | 0.9 | 13 |
| 147 | Boundary elements for non-linear heat conduction problems. Communications in Applied Numerical Methods, 1988, 4, 617-622. | 0.5 | 24 |
| 148 | A boundary element investigation of natural convection problems. Advances in Water Resources, 1988, 11, 139-143. | 1.7 | 2 |
| 149 | A Boundary Element Investigation of Natural Convection Problems. Developments in Water Science, 1988, 36, 103-114. | 0.1 | 0 |
| 150 | Finite Element Solution of Groundwater Flow Problems by Lanczos Algorithm. Developments in Water Science, 1988, 35, 59-64. | 0.1 | 1 |
| 151 | The dual reciprocity boundary element formulation for nonlinear diffusion problems. Computer Methods in Applied Mechanics and Engineering, 1987, 65, 147-164. | 3.4 | 181 |
| 152 | Boundary element analysis of viscous flow by penalty function formulation. Engineering Analysis, 1986, 3, 194-200. | 0.1 | 19 |
| 153 | On boundary elements for external potential problems. Mechanics Research Communications, 1984, 11, 373-377. | 1.0 | 14 |
| 154 | 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 |
| 155 | Boundary element method for fluid flow. Advances in Water Resources, 1979, 2, 83-89. | 1.7 | 8 |
| 156 | Elastic-plastic analysis of shell structures. Computers and Structures, 1978, 9, 351-358. | 2.4 | 6 |
| 157 | A parallel finite volume method for incompressible and slightly compressible reactive flows. International Journal for Numerical Methods in Engineering, 0, , . | 1.5 | 0 |