

Alexander H-D Cheng

List of Publications by Year in descending order

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170
papers

7,999
citations

53939

47
h-index

73587

79
g-index

176
all docs

176
docs citations

176
times ranked

5147
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Intrinsic material constants of poroelasticity. International Journal of Rock Mechanics and Minings Sciences, 2021, 142, 104754. | 2.6 | 8 |
| 2 | Indirect boundary element method for modelling 2D poroelastic wave diffraction by cavities and cracks in half space. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 2048-2077. | 1.7 | 4 |
| 3 | The method of fundamental solutions for the elastic wave scattering in a double-porosity dual-permeability medium. Applied Mathematical Modelling, 2021, 97, 721-740. | 2.2 | 10 |
| 4 | A linear constitutive model for unsaturated poroelasticity by micromechanical analysis. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 455-483. | 1.7 | 21 |
| 5 | An overview of the method of fundamental solutions" Solvability, uniqueness, convergence, and stability. Engineering Analysis With Boundary Elements, 2020, 120, 118-152. | 2.0 | 78 |
| 6 | Seismic Interaction between a Lined Tunnel and a Hill under Plane SV Waves by IBEM. International Journal of Structural Stability and Dynamics, 2019, 19, 1950004. | 1.5 | 10 |
| 7 | Development of deformation criteria for predictive monitoring system for levees. International Journal of Geotechnical Engineering, 2019, 13, 369-376. | 1.1 | 0 |
| 8 | The method of fundamental solution for 3D wave scattering in a fluid-saturated poroelastic infinite domain. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 1866-1889. | 1.7 | 8 |
| 9 | Effect of thickness of planar nozzles on erosion depth of levee soils subjected to plunging water. International Journal of Sediment Research, 2018, 33, 243-249. | 1.8 | 0 |
| 10 | A fast multipole accelerated indirect boundary element method for broadband scattering of elastic waves in a fluid-saturated poroelastic domain. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 2133-2160. | 1.7 | 8 |
| 11 | A boundary-type meshless solver for transient heat conduction analysis of slender functionally graded materials with exponential variations. Computers and Mathematics With Applications, 2018, 76, 760-773. | 1.4 | 141 |
| 12 | One-dimensional analytical solution for mesoscopic flow induced damping in a double-porosity dual-permeability material. International Journal for Numerical and Analytical Methods in Geomechanics, 2017, 41, 1413-1429. | 1.7 | 10 |
| 13 | Dynamic Green's Functions and Integral Equations for a Double-Porosity Dual-Permeability Poroelastic Material. Journal of Applied Mechanics, Transactions ASME, 2017, 84, . | 1.1 | 12 |
| 14 | Evaluating the Origin Intensity Factor in the Singular Boundary Method for Three-Dimensional Dirichlet Problems. Advances in Applied Mathematics and Mechanics, 2017, 9, 1289-1311. | 0.7 | 8 |
| 15 | One-step boundary knot method for discontinuous coefficient elliptic equations with interface jump conditions. Numerical Methods for Partial Differential Equations, 2016, 32, 1509-1534. | 2.0 | 9 |
| 16 | The singular boundary method for two-dimensional static thermoelasticity analysis. Computers and Mathematics With Applications, 2016, 72, 2716-2730. | 1.4 | 12 |
| 17 | Poroelasticity. Theory and Applications of Transport in Porous Media, 2016, , . | 0.4 | 290 |
| 18 | Micromechanics. Theory and Applications of Transport in Porous Media, 2016, , 83-112. | 0.4 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Poroviscoelasticity. Theory and Applications of Transport in Porous Media, 2016, , 573-597. | 0.4 | 2 |
| 20 | Porothermoelasticity. Theory and Applications of Transport in Porous Media, 2016, , 599-701. | 0.4 | 1 |
| 21 | Porochemoelasticity. Theory and Applications of Transport in Porous Media, 2016, , 703-773. | 0.4 | 2 |
| 22 | Constitutive Equation. Theory and Applications of Transport in Porous Media, 2016, , 61-82. | 0.4 | 1 |
| 23 | Variational Energy Formulation. Theory and Applications of Transport in Porous Media, 2016, , 113-169. | 0.4 | 0 |
| 24 | Anisotropy. Theory and Applications of Transport in Porous Media, 2016, , 171-187. | 0.4 | 0 |
| 25 | Governing Equation. Theory and Applications of Transport in Porous Media, 2016, , 189-228. | 0.4 | 0 |
| 26 | Analytical Solution. Theory and Applications of Transport in Porous Media, 2016, , 229-396. | 0.4 | 1 |
| 27 | Fundamental Solution and Integral Equation. Theory and Applications of Transport in Porous Media, 2016, , 397-473. | 0.4 | 0 |
| 28 | Poroelastodynamics. Theory and Applications of Transport in Porous Media, 2016, , 475-571. | 0.4 | 0 |
| 29 | Identification of the thermal conductivity coefficients of 3D anisotropic media by the singular boundary method. International Journal of Heat and Mass Transfer, 2016, 100, 24-33. | 2.5 | 21 |
| 30 | Processing and Mechanical Properties Investigation of Epoxy-Impregnated Graphene Paper. Journal of Nanomechanics & Micromechanics, 2016, 6, . | 1.4 | 4 |
| 31 | Singular boundary method for 2D dynamic poroelastic problems. Wave Motion, 2016, 61, 40-62. | 1.0 | 23 |
| 32 | Method of fundamental solutions without fictitious boundary for plane time harmonic linear elastic and viscoelastic wave problems. Computers and Structures, 2016, 162, 80-90. | 2.4 | 17 |
| 33 | Molecular Dynamics Simulations and Hygrothermal Aging of Polyureaâ€“POSS Nanocomposites. Journal of Polymers and the Environment, 2015, 23, 171-182. | 2.4 | 5 |
| 34 | Singular Boundary Method for Various Exterior Wave Applications. International Journal of Computational Methods, 2015, 12, 1550011. | 0.8 | 20 |
| 35 | Anisotropic Analysis of I-Walls in New Orleans. Marine Georesources and Geotechnology, 2015, 33, 325-336. | 1.2 | 2 |
| 36 | Protection of steel railcar tank containing liquid chlorine from high speed impact by using polyhedral oligomeric silsesquioxane-enhanced polyurea. International Journal of Impact Engineering, 2015, 75, 1-10. | 2.4 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Reevaluation of the Gap Formation in the New Orleans Levee System. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, . | 1.5 | 3 |
| 38 | Fire characteristics of steel members coated with nano-enhanced polymers. Fire and Materials, 2014, 38, 227-240. | 0.9 | 2 |
| 39 | Evaluation of I-wall in New Orleans with back-calculated total stress soil parameters. Acta Geotechnica, 2014, 9, 1123-1134. | 2.9 | 6 |
| 40 | Materials Genome for Graphene-Cement Nanocomposites. Journal of Nanomechanics & Micromechanics, 2013, 3, 67-77. | 1.4 | 137 |
| 41 | Fundamental Solutions of Poroelastodynamics in Frequency Domain Based on Wave Decomposition. Journal of Applied Mechanics, Transactions ASME, 2013, 80, . | 1.1 | 23 |
| 42 | Expansive Clay Minerals and Hurricane Katrina. , 2013, , . | | 1 |
| 43 | Correlating Micromorphology and Nanomorphology to High Strain Rate Performance of Nanoparticle Reinforced Polymeric Materials. Journal of Nanomechanics & Micromechanics, 2012, 2, 55-64. | 1.4 | 2 |
| 44 | Multiquadric and its shape parameterâ€™A numerical investigation of error estimate, condition number, and round-off error by arbitrary precision computation. Engineering Analysis With Boundary Elements, 2012, 36, 220-239. | 2.0 | 140 |
| 45 | Obituaryâ€™Maurice Jaswon. Engineering Analysis With Boundary Elements, 2012, 36, iii-iv. | 2.0 | 1 |
| 46 | Reducing Erosion of Earthen Levees Using Engineered Flood Wall Surface. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 874-881. | 1.5 | 6 |
| 47 | Nanoparticle Reinforced Polymer for Blast Protection of Unreinforced Masonry Wall: Laboratory Blast Load Simulation and Design Models. Journal of Structural Engineering, 2011, 137, 1193-1204. | 1.7 | 37 |
| 48 | Evaluation of a T-Wall Section in New Orleans Considering 3D Soil-Structure Interaction. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 731-742. | 1.5 | 9 |
| 49 | Computation of Elastic Properties of Portland Cement Using Molecular Dynamics. Journal of Nanomechanics & Micromechanics, 2011, 1, 84-90. | 1.4 | 45 |
| 50 | Hybrid Lattice Particle Modeling of Retrofitting Infrastructure Design under a Blasting Load. Journal of Nanomechanics & Micromechanics, 2011, 1, 119-133. | 1.4 | 2 |
| 51 | Methods to Derive the Differential Equation of the Free Surface Boundary. Ground Water, 2011, 49, 133-143. | 0.7 | 5 |
| 52 | Erosion Study of New Orleans Levee Materials Subjected to Plunging Water. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 398-404. | 1.5 | 8 |
| 53 | Effect of Impermeable Boundaries on the Propagation of Rayleigh Waves in an Unsaturated Poroelastic Half-Space. Journal of Mechanics, 2010, 26, 501-511. | 0.7 | 4 |
| 54 | Comparisons of fundamental solutions and particular solutions for Trefftz methods. Engineering Analysis With Boundary Elements, 2010, 34, 248-258. | 2.0 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | On the increasingly flat radial basis function and optimal shape parameter for the solution of elliptic PDEs. <i>Engineering Analysis With Boundary Elements</i> , 2010, 34, 802-809. | 2.0 | 54 |
| 56 | A molecular dynamics and microporomechanics study on the mechanical properties of major constituents of hydrated cement. <i>Composites Part B: Engineering</i> , 2010, 41, 543-549. | 5.9 | 75 |
| 57 | Advanced quadrature methods and splitting extrapolation algorithms for first kind boundary integral equations of Laplace's equation with discontinuity solutions. <i>Engineering Analysis With Boundary Elements</i> , 2010, 34, 1003-1008. | 2.0 | 5 |
| 58 | Methods to Derive the Differential Equation of the Free Surface Boundary. <i>Ground Water</i> , 2010, 48, 486-493. | 0.7 | 5 |
| 59 | Concrete as a Hierarchical Structural Composite Material. <i>International Journal for Multiscale Computational Engineering</i> , 2010, 8, 585-595. | 0.8 | 15 |
| 60 | Hybrid Lattice Particle Modelling Approach for Polymeric Materials Subject to High Strain Rate Loads. <i>Polymers</i> , 2010, 2, 3-30. | 2.0 | 8 |
| 61 | Modeling Groundwater Flow and Contaminant Transport. , 2010, , . | | 406 |
| 62 | Measurement of Mechanical Properties of Hydrated Cement Paste Using Resonant Ultrasound Spectroscopy. <i>Journal of ASTM International</i> , 2010, 7, 1-8. | 0.2 | 2 |
| 63 | A three-dimensional integral equation model for calculating pore and thermoelastic stresses induced by cold water injection into a geothermal reservoir. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2009, 33, 1613-1640. | 1.7 | 29 |
| 64 | Hybrid lattice particle modeling of wave propagation induced fracture of solids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 199, 197-209. | 3.4 | 12 |
| 65 | Dynamic response and simulations of nanoparticle-enhanced composites. <i>Composites Science and Technology</i> , 2009, 69, 772-779. | 3.8 | 26 |
| 66 | Particular solutions of splines and monomials for polyharmonic and products of Helmholtz operators. <i>Engineering Analysis With Boundary Elements</i> , 2009, 33, 514-521. | 2.0 | 36 |
| 67 | A macroscopic-level hybrid lattice particle modeling of mode-I crack propagation in inelastic materials with varying ductility. <i>International Journal of Solids and Structures</i> , 2009, 46, 4054-4063. | 1.3 | 5 |
| 68 | Blast Resistance of Unreinforced Masonry (URM) Walls Retrofitted with Nano Reinforced Elastomeric Materials. , 2009, , . | | 1 |
| 69 | Hybrid lattice particle modeling: Theoretical considerations for a 2D elastic spring network for dynamic fracture simulations. <i>Computational Materials Science</i> , 2009, 44, 1126-1134. | 1.4 | 65 |
| 70 | Optimal Extraction of Groundwater in Gaza Coastal Aquifer. <i>Journal of Water Resource and Protection</i> , 2009, 01, 249-259. | 0.3 | 25 |
| 71 | Molecular dynamics simulation of SWCNT-polymer nanocomposite and its constituents. <i>Journal of Materials Science</i> , 2008, 43, 164-173. | 1.7 | 76 |
| 72 | Intrinsic poroelasticity constants and a semilinear model. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2008, 32, 803-831. | 1.7 | 15 |

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|----|--|-----|-----------|
| 73 | Effects of heat extraction on fracture aperture: A poro-thermoelastic analysis. <i>Geothermics</i> , 2008, 37, 525-539. | 1.5 | 93 |
| 74 | Particle modeling of dynamic fracture simulations of a 2D polymeric material (nylon-6,6) subject to the impact of a rigid indenter. <i>Computational Materials Science</i> , 2008, 44, 449-463. | 1.4 | 10 |
| 75 | Estimation of Soil Permeability Using an Acoustic Technique. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 1829-1832. | 1.5 | 2 |
| 76 | Bridging Molecular, Particulate, and Continuum Mechanics for Geomechanics Application. , 2007, , . | | 4 |
| 77 | Trefftz, collocation, and other boundary methods—A comparison. <i>Numerical Methods for Partial Differential Equations</i> , 2007, 23, 93-144. | 2.0 | 82 |
| 78 | Error estimate, optimal shape factor, and high precision computation of multiquadric collocation method. <i>Engineering Analysis With Boundary Elements</i> , 2007, 31, 614-623. | 2.0 | 155 |
| 79 | A 3-D study of the effects of thermomechanical loads on fracture slip in enhanced geothermal reservoirs. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2007, 44, 1132-1148. | 2.6 | 103 |
| 80 | Title is missing!. <i>Engineering Analysis With Boundary Elements</i> , 2007, 31, 387. | 2.0 | 0 |
| 81 | The Trefftz method for solving eigenvalue problems. <i>Engineering Analysis With Boundary Elements</i> , 2006, 30, 292-308. | 2.0 | 12 |
| 82 | Radial basis collocation methods for elliptic boundary value problems. <i>Computers and Mathematics With Applications</i> , 2005, 50, 289-320. | 1.4 | 95 |
| 83 | Particular solutions of Laplace's equations on polygons and new models involving mild singularities. <i>Engineering Analysis With Boundary Elements</i> , 2005, 29, 59-75. | 2.0 | 16 |
| 84 | Integral equation solution of heat extraction-induced thermal stress in enhanced geothermal reservoirs. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2005, 29, 829-844. | 1.7 | 51 |
| 85 | Direct solution of ill-posed boundary value problems by radial basis function collocation method. <i>International Journal for Numerical Methods in Engineering</i> , 2005, 64, 45-64. | 1.5 | 55 |
| 86 | Heritage and early history of the boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2005, 29, 268-302. | 2.0 | 444 |
| 87 | Optimal and sustainable extraction of groundwater in coastal aquifers. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 99-110. | 1.9 | 53 |
| 88 | Porodynamics. <i>Journal of Engineering Mechanics - ASCE</i> , 2005, 131, 873-873. | 1.6 | 2 |
| 89 | If You Ask a Physicist from Any Country: A Tribute to Yacov Il'ich Frenkel. <i>Journal of Engineering Mechanics - ASCE</i> , 2005, 131, 875-878. | 1.6 | 6 |
| 90 | Porosity equilibrium, strain hardening, and intrinsic micromechanical model of poromechanics. , 2005, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Macroscopic Lagrangian formulation of poroelasticity with porosity dynamics. Journal of the Mechanics and Physics of Solids, 2004, 52, 2801-2839. | 2.3 | 50 |
| 92 | 2D dynamic response of unlined and lined tunnels in poroelastic soil to harmonic body waves. Earthquake Engineering and Structural Dynamics, 2003, 32, 97-110. | 2.5 | 94 |
| 93 | An integral equation solution for three-dimensional heat extraction from planar fracture in hot dry rock. International Journal for Numerical and Analytical Methods in Geomechanics, 2003, 27, 989-1004. | 1.7 | 61 |
| 94 | Polynomial particular solutions for certain partial differential operators. Numerical Methods for Partial Differential Equations, 2003, 19, 112-133. | 2.0 | 66 |
| 95 | Exponential convergence and H-c multiquadric collocation method for partial differential equations. Numerical Methods for Partial Differential Equations, 2003, 19, 571-594. | 2.0 | 313 |
| 96 | A comparison of efficiency and error convergence of multiquadric collocation method and finite element method. Engineering Analysis With Boundary Elements, 2003, 27, 251-257. | 2.0 | 95 |
| 97 | Integrating Written Communication within Engineering Curricula. Journal of Professional Issues in Engineering Education and Practice, 2002, 128, 152-159. | 0.9 | 19 |
| 98 | Fluid Mechanics: An Essential Part of an Environmental Engineering Curriculum. Journal of Professional Issues in Engineering Education and Practice, 2002, 128, 201-205. | 0.9 | 0 |
| 99 | Multilevel compact radial functions based computational schemes for some elliptic problems. Computers and Mathematics With Applications, 2002, 43, 359-378. | 1.4 | 61 |
| 100 | Solution of Stokes flow using an iterative DRBEM based on compactly-supported, positive-definite radial basis function. Computers and Mathematics With Applications, 2002, 43, 607-619. | 1.4 | 17 |
| 101 | Variational formulation of fluid infiltrated porous material in thermal and mechanical equilibrium. Mechanics of Materials, 2002, 34, 685-704. | 1.7 | 29 |
| 102 | A nonlinear compaction model for fibrous preforms. Composites Part A: Applied Science and Manufacturing, 2001, 32, 701-707. | 3.8 | 88 |
| 103 | BEM for thermoelasticity and elasticity with body force "a revisit". Engineering Analysis With Boundary Elements, 2001, 25, 377-387. | 2.0 | 70 |
| 104 | Integral equation solution of heat extraction from a fracture in hot dry rock. International Journal for Numerical and Analytical Methods in Geomechanics, 2001, 25, 1327-1338. | 1.7 | 124 |
| 105 | Boundary solution of Poisson's equation using radial basis function collocated on Gaussian quadrature nodes. Communications in Numerical Methods in Engineering, 2001, 17, 455-464. | 1.3 | 9 |
| 106 | Special Issue of Transport in Porous Media on "Seawater Intrusion in Coastal Aquifers". Transport in Porous Media, 2001, 43, 1-2. | 1.2 | 2 |
| 107 | A complete plane strain fictitious stress boundary element method for poroelastic media. Engineering Analysis With Boundary Elements, 2001, 25, 41-48. | 2.0 | 11 |
| 108 | Particular solutions of Laplacian, Helmholtz-type, and polyharmonic operators involving higher order radial basis functions. Engineering Analysis With Boundary Elements, 2000, 24, 531-538. | 2.0 | 96 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Solution of Poisson's equation by iterative DRBEM using compactly supported, positive definite radial basis function. <i>Engineering Analysis With Boundary Elements</i> , 2000, 24, 549-557. | 2.0 | 53 |
| 110 | Transient wave propagation in a one-dimensional poroelastic column. <i>Acta Mechanica</i> , 2000, 145, 1-18. | 1.1 | 112 |
| 111 | Permanent Displacement of Composite Breakwaters Subject to Wave Impact. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1999, 125, 1-8. | 0.5 | 9 |
| 112 | Parameter uncertainty analysis on acoustic response in fluid filled poroelastic media. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 151-163. | 0.5 | 4 |
| 113 | BEM solution of stochastic seawater intrusion problems. <i>Engineering Analysis With Boundary Elements</i> , 1999, 23, 529-537. | 2.0 | 32 |
| 114 | NON-LINER DYNAMICS OF UNDERWATER ACOUSTICS. <i>Journal of Sound and Vibration</i> , 1999, 220, 771-786. | 2.1 | 11 |
| 115 | Poroelasticity-Maurice A. Biot memorial issue. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1999, 23, 1493-1493. | 1.7 | 1 |
| 116 | Water wave driven seepage in sediment and parameter inversion based on pore pressure data. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1999, 23, 1655-1674. | 1.7 | 20 |
| 117 | On singular integral equations and fundamental solutions of poroelasticity. <i>International Journal of Solids and Structures</i> , 1998, 35, 4521-4555. | 1.3 | 91 |
| 118 | A thermodynamically consistent formulation of magnetoporoelasticity. <i>International Journal of Solids and Structures</i> , 1998, 35, 4637-4657. | 1.3 | 3 |
| 119 | Ground Water Contaminant Source and Transport Parameter Identification by Correlation Coefficient Optimization. <i>Ground Water</i> , 1998, 36, 208-214. | 0.7 | 60 |
| 120 | Locating the saltwater-freshwater interface using nonlinear programming and h-adaptive BEM. <i>Engineering Analysis With Boundary Elements</i> , 1998, 21, 253-259. | 2.0 | 11 |
| 121 | Nonlinear behavior of acoustic rays in underwater sound channels. <i>Chaos, Solitons and Fractals</i> , 1998, 9, 193-207. | 2.5 | 9 |
| 122 | On generalized plane strain poroelasticity. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 1998, 35, 183-193. | 2.6 | 40 |
| 123 | From geology to geoacoustics—Evaluation of Biot's Stoll sound speed and attenuation for shallow water acoustics. <i>Journal of the Acoustical Society of America</i> , 1998, 103, 309-320. | 0.5 | 40 |
| 124 | Aquifer parameter estimation by extended Kalman filtering and boundary elements. <i>Engineering Analysis With Boundary Elements</i> , 1997, 19, 231-237. | 2.0 | 9 |
| 125 | Groundwater parameter estimation by optimization and DRBEM. <i>Engineering Analysis With Boundary Elements</i> , 1997, 19, 97-103. | 2.0 | 11 |
| 126 | Uncertainty analysis of groundwater flow with DRBEM. <i>Engineering Analysis With Boundary Elements</i> , 1997, 19, 217-221. | 2.0 | 12 |

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|-----|--|-----|-----------|
| 127 | Chaotic and stochastic dynamics of orthogonal metal cutting. Chaos, Solitons and Fractals, 1997, 8, 715-726. | 2.5 | 53 |
| 128 | Applications of time-dependent pseudo-3D stress analysis in evaluating wellbore stability. International Journal of Rock Mechanics and Minings Sciences, 1997, 34, 1.e1-1.e16. | 2.6 | 17 |
| 129 | Finite element formulation and application of poroelastic generalized plane strain problems. International Journal of Rock Mechanics and Minings Sciences, 1997, 34, 953-962. | 2.6 | 28 |
| 130 | Rock sliding induced by seismic force. International Journal of Rock Mechanics and Minings Sciences, 1997, 34, 1021-1029. | 2.6 | 50 |
| 131 | Material coefficients of anisotropic poroelasticity. International Journal of Rock Mechanics and Minings Sciences, 1997, 34, 199-205. | 2.6 | 392 |
| 132 | Groundwater optimization and parameter estimation by genetic algorithm and dual reciprocity boundary element method. Engineering Analysis With Boundary Elements, 1996, 18, 287-296. | 2.0 | 27 |
| 133 | A Ground-Water Flow Mathematica Tool Package. Ground Water, 1996, 34, 41-48. | 0.7 | 1 |
| 134 | Sensitivity Analysis of Flow in Multilayered Leaky Aquifer Systems. Journal of Hydraulic Engineering, 1996, 122, 41-45. | 0.7 | 9 |
| 135 | Deterministic and stochastic analyses of acoustic plane wave reflection from inhomogeneous porous seafloor. Journal of the Acoustical Society of America, 1996, 99, 903-913. | 0.5 | 13 |
| 136 | Object-Oriented Pumping-Test Expert System. Journal of Computing in Civil Engineering, 1996, 10, 4-9. | 2.5 | 1 |
| 137 | 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 |
| 138 | A global interpolation function based boundary element method for deterministic, non-homogeneous, and stochastic flows in porous media. Computers and Structures, 1995, 56, 861-870. | 2.4 | 5 |
| 139 | Generalized Plane Strain Elasticity Problems. , 1995, , . | | 4 |
| 140 | Shallow water acoustic/geoacoustic experiments at the New Jersey Atlantic Generating Station site. Journal of the Acoustical Society of America, 1994, 96, 3593-3604. | 0.5 | 25 |
| 141 | Dual-reciprocity BEM based on global interpolation functions. Engineering Analysis With Boundary Elements, 1994, 13, 303-311. | 2.0 | 47 |
| 142 | Fundamental solutions of products of Helmholtz and polyharmonic operators. Engineering Analysis With Boundary Elements, 1994, 14, 187-191. | 2.0 | 32 |
| 143 | Boundary element solution for steady and unsteady Stokes flow. Computer Methods in Applied Mechanics and Engineering, 1994, 117, 1-13. | 3.4 | 19 |
| 144 | The crack tip region in hydraulic fracturing. Proceedings of the Royal Society A, 1994, 447, 39-48. | 1.0 | 195 |

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|-----|--|-----|-----------|
| 145 | Chromium leaching behavior in soil derived from chromite ore processing waste. <i>Science of the Total Environment</i> , 1994, 154, 71-86. | 3.9 | 65 |
| 146 | Review of some poroelastic effects in rock mechanics. <i>International Journal of Rock Mechanics and Mining Sciences</i> , 1993, 30, 1119-1126. | 0.3 | 43 |
| 147 | A micromechanically consistent poroviscoelasticity theory for rock mechanics applications. <i>International Journal of Rock Mechanics and Mining Sciences</i> , 1993, 30, 1177-1180. | 0.3 | 23 |
| 148 | Stability, bifurcation and chaos of non-linear structures with control. I. Autonomous case. <i>International Journal of Non-Linear Mechanics</i> , 1993, 28, 441-454. | 1.4 | 29 |
| 149 | Stability, bifurcation and chaos of non-linear structures with control. II. Non-autonomous case. <i>International Journal of Non-Linear Mechanics</i> , 1993, 28, 549-565. | 1.4 | 26 |
| 150 | Multilayered leaky aquifer systems: 1. Pumping well solutions. <i>Water Resources Research</i> , 1993, 29, 2787-2800. | 1.7 | 43 |
| 151 | Multilayered leaky aquifer systems: 2. Boundary element solutions. <i>Water Resources Research</i> , 1993, 29, 2801-2811. | 1.7 | 16 |
| 152 | Boundary element solution for stochastic groundwater flow: Temporal weakly stationary problems. <i>Water Resources Research</i> , 1993, 29, 2893-2908. | 1.7 | 13 |
| 153 | Fundamentals of Poroelasticity. , 1993, , 113-171. | | 526 |
| 154 | A Laplace transform BEM for axisymmetric diffusion utilizing pre-tabulated Green's function. <i>Engineering Analysis With Boundary Elements</i> , 1992, 9, 39-46. | 2.0 | 23 |
| 155 | Boundary element solution for stochastic groundwater flow: Random boundary condition and recharge. <i>Water Resources Research</i> , 1991, 27, 231-242. | 1.7 | 44 |
| 156 | Chaotic and stochastic dynamics for a nonlinear structural system with hysteresis and degradation. <i>Probabilistic Engineering Mechanics</i> , 1991, 6, 193-203. | 1.3 | 13 |
| 157 | Plane strain analysis of a stationary hydraulic fracture in a poroelastic medium. <i>International Journal of Solids and Structures</i> , 1991, 27, 1645-1662. | 1.3 | 94 |
| 158 | Poroelasticity considerations in In Situ stress determination by hydraulic fracturing. <i>International Journal of Rock Mechanics and Mining Sciences</i> , 1989, 26, 507-513. | 0.3 | 61 |
| 159 | An efficient laplace transform solution for multiaquifer systems. <i>Water Resources Research</i> , 1989, 25, 742-748. | 1.7 | 19 |
| 160 | A direct boundary element method for plane strain poroelasticity. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1988, 12, 551-572. | 1.7 | 80 |
| 161 | Poroelastic response of a borehole in a non-hydrostatic stress field. <i>International Journal of Rock Mechanics and Mining Sciences</i> , 1988, 25, 171-182. | 0.3 | 384 |
| 162 | Two Perturbation Boundary Element Codes for Steady Groundwater Flow in Heterogeneous Aquifers. <i>Developments in Water Science</i> , 1988, 35, 83-88. | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Transient boundary element formulation for linear poroelasticity. Applied Mathematical Modelling, 1987, 11, 285-290. | 2.2 | 53 |
| 164 | Seepage force on a pipeline buried in a poroelastic seabed under wave loadings. Applied Ocean Research, 1986, 8, 22-32. | 1.8 | 113 |
| 165 | Boundary integral equation method for linear porous-elasticity with applications to soil consolidation. International Journal for Numerical Methods in Engineering, 1984, 20, 255-278. | 1.5 | 111 |
| 166 | Boundary integral equation method for linear porous-elasticity with applications to fracture propagation. International Journal for Numerical Methods in Engineering, 1984, 20, 279-296. | 1.5 | 41 |
| 167 | Darcy's Flow With Variable Permeability: A Boundary Integral Solution. Water Resources Research, 1984, 20, 980-984. | 1.7 | 84 |
| 168 | Boundary Integral Solution to Seawater Intrusion Into Coastal Aquifers. Water Resources Research, 1984, 20, 1150-1158. | 1.7 | 49 |
| 169 | Boundary integral equation solutions to moving interface between two fluids in porous media. Water Resources Research, 1981, 17, 1445-1452. | 1.7 | 64 |
| 170 | Boundary Calculations of Sluice and Spillway Flows. Journal of Hydraulic Engineering, 1981, 107, 1163-1178. | 0.2 | 40 |