

Chong-bin Zhao

List of Publications by Year in descending order

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138
papers

3,809
citations

94381

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51
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143
docs citations

143
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-analytical finite element method for simulating chemical dissolution-front instability problems in fluid-saturated porous media. <i>Engineering Computations</i> , 2022, 39, 1781-1801.	0.7	5
2	A novel algorithm for implementing perturbations in computational simulations of chemical dissolution-front instability problems within fluid-saturated porous media. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2022, 46, 2115-2137.	1.7	5
3	An accurate porosity-velocity-concentration approach for solving reactive mass transport problems involving chemical dissolution in fluid-saturated porous media with arbitrarily initial porosity distributions. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 7354-7377.	1.5	7
4	Effects of mathematical transforms on theoretical analysis and computational simulation of chemical dissolution-front instability within fluid-saturated porous media. <i>Journal of Hydrology</i> , 2021, 600, 126531.	2.3	7
5	Transient-state instability analysis of dissolution-timescale reactive infiltration in fluid-saturated porous rocks: Purely mathematical approach. <i>Science China Technological Sciences</i> , 2020, 63, 319-328.	2.0	22
6	Mixed solutions of mathematical and numerical methods for reactive mass transport problems of two different porosity regions in fluid-saturated porous media. <i>Journal of Hydrology</i> , 2020, 580, 124145.	2.3	6
7	A semianalytical approach for solving first-order perturbation equations of dissolution-timescale reactive infiltration instability problems in fluid-saturated rocks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2020, 44, 2070-2092.	1.7	8
8	Closure to Analytical Solution for Dissolution-Timescale Reactive Transport in Fluid-Saturated Porous Rocks by Chongbin Zhao, B. E. Hobbs, and A. Ord. <i>International Journal of Geomechanics</i> , 2019, 19, 07019004.	1.3	0
9	Finite element modeling of convective pore-fluid flow in fluid-saturated porous rocks within upper crust: An overview. <i>Journal of Central South University</i> , 2019, 26, 501-514.	1.2	5
10	A unified theory for sharp dissolution front propagation in chemical dissolution of fluid-saturated porous rocks. <i>Science China Technological Sciences</i> , 2019, 62, 163-174.	2.0	14
11	An interface-condition substitution strategy for theoretical study of dissolution-timescale reactive infiltration instability in fluid-saturated porous rocks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 1576-1593.	1.7	10
12	Computational modeling of convective seepage flow in fluid-saturated heterogeneous rocks: Steady-state approach. <i>Computers and Geosciences</i> , 2019, 123, 103-110.	2.0	3
13	Modeling of mountain topography effects on hydrothermal Pb-Zn mineralization patterns: Generic model approach. <i>Journal of Geochemical Exploration</i> , 2018, 190, 400-410.	1.5	14
14	Analytical Solution for Dissolution-Timescale Reactive Transport in Fluid-Saturated Porous Rocks. <i>International Journal of Geomechanics</i> , 2018, 18, .	1.3	14
15	Finite element modeling of convective pore-fluid flow in fluid-saturated porous rocks within upper crust: An overview. <i>Journal of Central South University</i> , 2019, 26, 501-514.		
16	Validity of using large-density asymptotics for studying reaction-infiltration instability in fluid-saturated rocks. <i>Journal of Hydrology</i> , 2018, 559, 454-460.	2.3	6
17	Reply to comment on validity of using large-density asymptotics for studying reaction-infiltration instability in fluid-saturated rocks. <i>Journal of Hydrology</i> , 2018, 564, 928-929.	2.3	1
18	Effects of acid dissolution capacity on the propagation of an acid-dissolution front in carbonate rocks. <i>Computers and Geosciences</i> , 2017, 102, 109-115.	2.0	4

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19	Why asymptotic limit of the acid dissolution capacity can lead to a sharp dissolution front in chemical dissolution of porous rocks?. International Journal for Numerical and Analytical Methods in Geomechanics, 2017, 41, 1590-1602.	1.7	13
20	Effects of porosity heterogeneity on chemical dissolution-front instability in fluid-saturated rocks. Journal of Central South University, 2017, 24, 720-725.	1.2	8
21	A new alternative approach for investigating acidization dissolution front propagation in fluid-saturated carbonate rocks. Science China Technological Sciences, 2017, 60, 1197-1210.	2.0	32
22	Computational simulation of seepage instability problems in fluid-saturated porous rocks: Potential dynamic mechanisms for controlling mineralisation patterns. Ore Geology Reviews, 2016, 79, 180-188.	1.1	28
23	Chemical dissolution-front instability associated with water-rock reactions in groundwater hydrology: Analyses of porosity-permeability relationship effects. Journal of Hydrology, 2016, 540, 1078-1087.	2.3	42
24	Acquisition of temporal-spatial geochemical information in ore-forming and carbon-dioxide sequestration systems: Computational simulation approach. Journal of Geochemical Exploration, 2016, 164, 18-27.	1.5	14
25	Computational Methods for Simulating Some Typical Problems in Computational Geosciences. International Journal of Computational Methods, 2016, 13, 1640016.	0.8	7
26	Replacement of annular domain with trapezoidal domain in computational modeling of nonaqueous-phase-liquid dissolution-front propagation problems. Journal of Central South University, 2015, 22, 1841-1846.	1.2	12
27	Numerical modeling of toxic nonaqueous phase liquid removal from contaminated groundwater systems: mesh effect and discretization error estimation. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 571-593.	1.7	33
28	Theoretical analyses of chemical dissolution-front instability in fluid-saturated porous media under non-isothermal conditions. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 799-820.	1.7	58
29	Computational simulation of chemical dissolution-front instability in fluid-saturated porous media under non-isothermal conditions. International Journal for Numerical Methods in Engineering, 2015, 102, 135-156.	1.5	39
30	Advances in numerical algorithms and methods in computational geosciences with modeling characteristics of multiple physical and chemical processes. Science China Technological Sciences, 2015, 58, 783-795.	2.0	24
31	Simulation of rock deformation and mechanical characteristics using clump parallel-bond models. Journal of Central South University, 2014, 21, 2885-2893.	1.2	14
32	Particle simulation of thermally-induced rock damage with consideration of temperature-dependent elastic modulus and strength. Computers and Geotechnics, 2014, 55, 461-473.	2.3	52
33	Modeling of ore-forming and geoenvironmental systems: Roles of fluid flow and chemical reaction processes. Journal of Geochemical Exploration, 2014, 144, 3-11.	1.5	19
34	Physical and Chemical Dissolution Front Instability in Porous Media. Lecture Notes in Earth System Sciences, 2014, , .	0.5	36
35	Fundamental Theory for Nonaqueous-Phase-Liquid Dissolution-Front Instability Problems in Fluid-Saturated Porous Media. Lecture Notes in Earth System Sciences, 2014, , 223-265.	0.5	1
36	Effects of Mineral Dissolution Ratios on Chemical Dissolution-Front Instability in Fluid-Saturated Porous Media. Lecture Notes in Earth System Sciences, 2014, , 71-91.	0.5	0

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37	Effects of Domain Shapes and Mesh Discretization Error on the Morphological Evolution of Nonaqueous-Phase-Liquid Dissolution Fronts in Fluid-Saturated Porous Media. Lecture Notes in Earth System Sciences, 2014, , 267-313.	0.5	0
38	Fundamental Theory for Acidization Dissolution-Front Instability in Fluid-Saturated Carbonate Rocks. Lecture Notes in Earth System Sciences, 2014, , 315-343.	0.5	0
39	Effects of Solute Dispersion on Chemical Dissolution-Front Instability in Fluid-Saturated Porous Media. Lecture Notes in Earth System Sciences, 2014, , 93-121.	0.5	0
40	Effects of Medium Permeability Anisotropy on Chemical Dissolution-Front Instability in Fluid-Saturated Porous Media. Lecture Notes in Earth System Sciences, 2014, , 123-150.	0.5	0
41	Effects of Medium and Pore-Fluid Compressibility on Chemical Dissolution-Front Instability in Fluid-Saturated Porous Media. Lecture Notes in Earth System Sciences, 2014, , 151-197.	0.5	0
42	Computational Simulation of Three-Dimensional Behaviour of Chemical Dissolution-Front Instability in Fluid-Saturated Porous Media. Lecture Notes in Earth System Sciences, 2014, , 199-221.	0.5	0
43	Fundamental Theory for Chemical Dissolution-Front Instability Problems in Fluid-Saturated Porous Media. Lecture Notes in Earth System Sciences, 2014, , 15-48.	0.5	0
44	Theoretical analyses of acidization dissolution front instability in fluid-saturated carbonate rocks. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 2084-2105.	1.7	72
45	Effects of Medium Permeability Anisotropy on Chemical-Dissolution Front Instability in Fluid-Saturated Porous Media. Transport in Porous Media, 2013, 99, 119-143.	1.2	27
46	Computational modeling of free-surface slurry flow problems using particle simulation method. Journal of Central South University, 2013, 20, 1653-1660.	1.2	5
47	Three-dimensional thermo-mechanical modeling of the Cenozoic uplift of the Tianshan mountains driven tectonically by the Pamir and Tarim. Journal of Asian Earth Sciences, 2013, 62, 797-811.	1.0	16
48	Analytical solutions of nonaqueous-phase-liquid dissolution problems associated with radial flow in fluid-saturated porous media. Journal of Hydrology, 2013, 494, 96-106.	2.3	33
49	Computational modeling of moving interfaces between fluid and porous medium domains. Computational Geosciences, 2013, 17, 151-166.	1.2	31
50	Some fundamental issues in computational hydrodynamics of mineralization: A review. Journal of Geochemical Exploration, 2012, 112, 21-34.	1.5	51
51	Effects of domain shapes on the morphological evolution of nonaqueous-phase-liquid dissolution fronts in fluid-saturated porous media. Journal of Contaminant Hydrology, 2012, 138-139, 123-140.	1.6	21
52	A porosity-gradient replacement approach for computational simulation of chemical-dissolution front propagation in fluid-saturated porous media including pore-fluid compressibility. Computational Geosciences, 2012, 16, 735-755.	1.2	31
53	Effects of medium and pore-fluid compressibility on chemical-dissolution front instability in fluid-saturated porous media. International Journal for Numerical and Analytical Methods in Geomechanics, 2012, 36, 1077-1100.	1.7	39
54	Finite element modeling of pore-fluid flow in the Dachang ore district, Guangxi, China: Implications for hydrothermal mineralization. Geoscience Frontiers, 2011, 2, 463-474.	4.3	39

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55	Geodynamic constraints on orebody localization in the Anqing orefield, China: Computational modeling and facilitating predictive exploration of deep deposits. <i>Ore Geology Reviews</i> , 2011, 43, 249-263.	1.1	44
56	Computational simulation for the morphological evolution of nonaqueous phase liquid dissolution fronts in two-dimensional fluid-saturated porous media. <i>Computational Geosciences</i> , 2011, 15, 167-183.	1.2	38
57	Computational simulation of convective flow in the Earth crust under consideration of dynamic crust-mantle interactions. <i>Central South University</i> , 2011, 18, 2080-2084.	0.5	9
58	Computational simulation of frictional drill-bit movement in cemented granular materials. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 877-885.	1.7	8
59	Numerical simulation of the effects of upward throughflow on the thermal structure and the thickness of the continental lithosphere. <i>Journal of Geophysics and Engineering</i> , 2011, 8, 322-329.	0.7	18
60	Coupled method of finite and dynamic infinite elements for simulating wave propagation in elastic solids involving infinite domains. <i>Science China Technological Sciences</i> , 2010, 53, 1678-1687.	2.0	23
61	Computational simulation of wave propagation problems in infinite domains. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1397-1407.	2.0	13
62	Effects of Mineral Dissolution Ratios on Chemical-Dissolution Front Instability in Fluid-Saturated Porous Media. <i>Transport in Porous Media</i> , 2010, 82, 317-335.	1.2	71
63	Theoretical Analyses of the Effects of Solute Dispersion on Chemical-Dissolution Front Instability in Fluid-Saturated Porous Media. <i>Transport in Porous Media</i> , 2010, 84, 629-653.	1.2	46
64	Theoretical analyses of nonaqueous phase liquid dissolution-induced instability in two-dimensional fluid-saturated porous media. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2010, 34, 1767-1796.	1.7	93
65	A semi-analytical artificial boundary for time-dependent elastic wave propagation in two-dimensional homogeneous half space. <i>Soil Dynamics and Earthquake Engineering</i> , 2010, 30, 1352-1360.	1.9	8
66	Theoretical and numerical investigation into roles of geofluid flow in ore forming systems: Integrated mass conservation and generic model approach. <i>Journal of Geochemical Exploration</i> , 2010, 106, 251-260.	1.5	36
67	Reactive mass transport modelling of a three-dimensional vertical fault zone with a finger-like convective flow regime. <i>Journal of Geochemical Exploration</i> , 2010, 106, 8-23.	1.5	36
68	Coupled geodynamics in the formation of Cu skarn deposits in the Tongling-Anqing district, China: Computational modeling and implications for exploration. <i>Journal of Geochemical Exploration</i> , 2010, 106, 146-155.	1.5	44
69	Fluids in geological processes – The present state and future outlook. <i>Journal of Geochemical Exploration</i> , 2010, 106, 1-7.	1.5	40
70	Effective loading algorithm associated with explicit dynamic relaxation method for simulating static problems. <i>Central South University</i> , 2009, 16, 125-130.	0.5	10
71	Numerical analysis and simulation experiment of lithospheric thermal structures in the South China Sea and the Western Pacific. <i>Journal of Earth Science (Wuhan, China)</i> , 2009, 20, 85-94.	1.1	32
72	Critical contact stiffness concept and simulation of crack generation in particle models of large length-scales. <i>Computers and Geotechnics</i> , 2009, 36, 81-92.	2.3	6

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73	Inversely-Mapped Analytical Solutions for Flow Patterns around and within Inclined Elliptic Inclusions in Fluid-Saturated Rocks. <i>Mathematical Geosciences</i> , 2008, 40, 179-197.	1.4	24
74	Effect of Reactive Surface Areas Associated with Different Particle Shapes on Chemical-Dissolution Front Instability in Fluid-Saturated Porous Rocks. <i>Transport in Porous Media</i> , 2008, 73, 75-94.	1.2	62
75	Investigating dynamic mechanisms of geological phenomena using methodology of computational geosciences: An example of equal-distant mineralization in a fault. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 947-954.	0.9	38
76	Potential mechanisms of pore-fluid movement from continental lithospheric mantle into upper continental crust. <i>Central South University</i> , 2008, 15, 81-88.	0.5	2
77	Theoretical and numerical analyses of chemical dissolution front instability in fluid-saturated porous rocks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2008, 32, 1107-1130.	1.7	171
78	Particle simulation of spontaneous crack generation associated with the laccolithic type of magma intrusion processes. <i>International Journal for Numerical Methods in Engineering</i> , 2008, 75, 1172-1193.	1.5	33
79	Morphological evolution of three-dimensional chemical dissolution front in fluid-saturated porous media: a numerical simulation approach. <i>Geofluids</i> , 2008, 8, 113-127.	0.3	58
80	Numerical Simulation of Contaminant Transport in One-Dimensional Infinite Media. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2008, 8, 477-481.	6.3	1
81	Three-dimensional finite element simulation of large-scale nonlinear contact friction problems in deformable rocks. <i>Journal of Geophysics and Engineering</i> , 2008, 5, 27-36.	0.7	31
82	Particle simulation of spontaneous crack generation problems in large-scale quasi-static systems. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 2302-2329.	1.5	41
83	An upscale theory of particle simulation for two-dimensional quasi-static problems. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 72, 397-421.	1.5	18
84	Mineral precipitation associated with vertical fault zones: the interaction of solute advection, diffusion and chemical kinetics. <i>Geofluids</i> , 2007, 7, 3-18.	0.3	72
85	Phenomenological modelling of crack generation in brittle crustal rocks using the particle simulation method. <i>Journal of Structural Geology</i> , 2007, 29, 1034-1048.	1.0	21
86	Analytical Solutions for Pore-Fluid Flow Focusing Within Inclined Elliptic Inclusions in Pore-Fluid-Saturated Porous Rocks: Solutions Derived in an Elliptical Coordinate System. <i>Mathematical Geosciences</i> , 2007, 38, 987-1010.	0.9	11
87	Structural controls on fluid flow and related mineralization in the Xiangshan uranium deposit, Southern China. <i>Journal of Geochemical Exploration</i> , 2006, 89, 231-234.	1.5	36
88	Theoretical and numerical analyses of pore-fluid flow patterns around and within inclined large cracks and faults. <i>Geophysical Journal International</i> , 2006, 166, 970-988.	1.0	33
89	Numerical simulation of double-diffusion driven convective flow and rock alteration in three-dimensional fluid-saturated geological fault zones. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006, 195, 2816-2840.	3.4	28
90	Numerical modelling of fluids mixing, heat transfer and non-equilibrium redox chemical reactions in fluid-saturated porous rocks. <i>International Journal for Numerical Methods in Engineering</i> , 2006, 66, 1061-1078.	1.5	49

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91	Numerical modelling of spontaneous crack generation in brittle materials using the particle simulation method. <i>Engineering Computations</i> , 2006, 23, 566-584.	0.7	16
92	Theoretical and numerical analysis of large-scale heat transfer problems with temperature-dependent pore-fluid densities. <i>Engineering Computations</i> , 2005, 22, 232-252.	0.7	7
93	Numerical modelling of chemical effects of magma solidification problems in porous rocks. <i>International Journal for Numerical Methods in Engineering</i> , 2005, 64, 709-728.	1.5	28
94	Double Diffusion-Driven Convective Instability of Three-Dimensional Fluid-Saturated Geological Fault Zones Heated from Below. <i>Mathematical Geosciences</i> , 2005, 37, 373-391.	0.9	18
95	Theoretical investigation of convective instability in inclined and fluid-saturated three-dimensional fault zones. <i>Tectonophysics</i> , 2004, 387, 47-64.	0.9	82
96	Title is missing!. <i>Mathematical Geosciences</i> , 2003, 35, 141-154.	0.9	6
97	Theoretical and numerical analyses of convective instability in porous media with temperature-dependent viscosity. <i>Communications in Numerical Methods in Engineering</i> , 2003, 19, 787-799.	1.3	45
98	Effects of hot intrusions on pore-fluid flow and heat transfer in fluid-saturated rocks. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003, 192, 2007-2030.	3.4	16
99	An equivalent algorithm for simulating thermal effects of magma intrusion problems in porous rocks. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2003, 192, 3397-3408.	3.4	6
100	Convective instability of 3-D fluid-saturated geological fault zones heated from below. <i>Geophysical Journal International</i> , 2003, 155, 213-220.	1.0	32
101	Finite Element Modelling of Three-Dimensional Steady-State Convection and Lead/Zinc Mineralization in Fluid-Saturated Rocks. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2003, 3, 73-89.	0.1	18
102	Finite element modelling of reactive fluids mixing and mineralization in pore-fluid saturated hydrothermal/sedimentary basins. <i>Engineering Computations</i> , 2002, 19, 364-387.	0.7	41
103	Analysis of steady-state heat transfer through mid-crustal vertical cracks with upward throughflow in hydrothermal systems. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002, 26, 1477-1491.	1.7	21
104	Computer simulations of coupled problems in geological and geochemical systems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2002, 191, 3137-3152.	3.4	23
105	Finite element modelling of heat transfer through permeable cracks in hydrothermal systems with upward throughflow. <i>Engineering Computations</i> , 2001, 18, 996-1011.	0.7	17
106	Finite element modeling of fluid-rock interaction problems in pore-fluid saturated hydrothermal/sedimentary basins. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2001, 190, 2277-2293.	3.4	38
107	Finite element modelling of rock alteration and metamorphic process in hydrothermal systems. <i>Communications in Numerical Methods in Engineering</i> , 2001, 17, 833-843.	1.3	18
108	Numerical modelling of double diffusion driven reactive flow transport in deformable fluid-saturated porous media with particular consideration of temperature-dependent chemical reaction rates. <i>Engineering Computations</i> , 2000, 17, 367-385.	0.7	53

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109	Finite element analysis of heat transfer and mineralization in layered hydrothermal systems with upward throughflow. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000, 186, 49-64.	3.4	24
110	Effects of medium thermoelasticity on high Rayleigh number steady-state heat transfer and mineralization in deformable fluid-saturated porous media heated from below. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1999, 173, 41-54.	3.4	34
111	Finite element analysis of flow patterns near geological lenses in hydrodynamic and hydrothermal systems. <i>Geophysical Journal International</i> , 1999, 138, 146-158.	1.0	30
112	Theoretical and numerical analyses of convective instability in porous media with upward throughflow. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1999, 23, 629-646.	1.7	52
113	A numerical study of pore-fluid, thermal and mass flow in fluid-saturated porous rock basins. <i>Engineering Computations</i> , 1999, 16, 202-214.	0.7	23
114	Analysis of pore-fluid pressure gradient and effective vertical-stress gradient distribution in layered hydrodynamic systems. <i>Geophysical Journal International</i> , 1998, 134, 519-526.	1.0	17
115	Finite element modelling of temperature gradient driven rock alteration and mineralization in porous rock masses. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1998, 165, 175-187.	3.4	98
116	EFFECTS OF GEOLOGICAL INHOMOGENEITY ON HIGH RAYLEIGH NUMBER STEADY STATE HEAT AND MASS TRANSFER IN FLUID-SATURATED POROUS MEDIA HEATED FROM BELOW. <i>Numerical Heat Transfer; Part A: Applications</i> , 1998, 33, 415-431.	1.2	27
117	Finite element analysis of steady-state natural convection problems in fluid-saturated porous media heated from below. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1997, 21, 863-881.	1.7	91
118	Analytical solutions for transient diffusion problems in infinite media. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1996, 129, 29-42.	3.4	17
119	A-posteriori error estimator/corrector for natural frequencies of thin plate vibration problems. <i>Computers and Structures</i> , 1996, 59, 949-963.	2.4	8
120	Analytical solution for two-dimensional dynamic consolidation in frequency domain. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1995, 19, 663-682.	1.7	20
121	Seismic response of concrete gravity dams including water-dam-sediment-foundation interaction. <i>Computers and Structures</i> , 1995, 54, 705-715.	2.4	25
122	Numerical modelling of transient contaminant migration problems in infinite porous fractured media using finite/infinite element technique. Part I: Theory. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1994, 18, 523-541.	1.7	33
123	Numerical modelling of transient contaminant migration problems in infinite porous fractured media using finite/infinite element technique. Part II: Parametric study. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1994, 18, 543-564.	1.7	17
124	Transient infinite elements for contaminant transport problems. <i>International Journal for Numerical Methods in Engineering</i> , 1994, 37, 1143-1158.	1.5	46
125	Numerical modelling of mass transport problems in porous media: A review. <i>Computers and Structures</i> , 1994, 53, 849-860.	2.4	42
126	Incident P and SV wave scattering effects under different canyon topographic and geological conditions. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1993, 17, 73-94.	1.7	41

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127	Transient infinite elements for seepage problems in infinite media. International Journal for Numerical and Analytical Methods in Geomechanics, 1993, 17, 323-341.	1.7	39
128	A dynamic infinite element for three-dimensional infinite-domain wave problems. International Journal for Numerical Methods in Engineering, 1993, 36, 2567-2580.	1.5	87
129	An efficient wave input procedure for infinite media. Communications in Numerical Methods in Engineering, 1993, 9, 407-415.	1.3	24
130	Seismic wave scattering effects under different canyon topographic and geological conditions. Soil Dynamics and Earthquake Engineering, 1993, 12, 129-143.	1.9	45
131	Effect of impervious members and reservoir bottom sediment on dynamic response of embankment dams. Soil Dynamics and Earthquake Engineering, 1993, 12, 199-208.	1.9	23
132	Mapped transient infinite elements for heat transfer problems in infinite media. Computer Methods in Applied Mechanics and Engineering, 1993, 108, 119-131.	3.4	29
133	Effect of raft flexibility and soil media on the dynamic response of a framed structure. Computers and Structures, 1993, 48, 227-239.	2.4	13
134	Dynamic analysis of a reinforced retaining wall using finite and infinite elements coupled method. Computers and Structures, 1993, 47, 239-244.	2.4	15
135	Dynamic response of concrete gravity dams including dam-water-foundation interaction. International Journal for Numerical and Analytical Methods in Geomechanics, 1992, 16, 79-99.	1.7	33
136	A numerical model for wave scattering problems in infinite media due to p- and sv-wave incidences. International Journal for Numerical Methods in Engineering, 1992, 33, 1661-1682.	1.5	59
137	Vibration of three-dimensional rigid raft foundation on viscoelastic medium. Earthquake Engineering and Structural Dynamics, 1991, 20, 1159-1177.	2.5	11
138	Two different mathematical schemes for solving chemical dissolution-front instability problems in fluid-saturated rocks. Science China Technological Sciences, 0, , 1.	2.0	0