## Mechanics of Deformation and Acoustic Propagation in

Journal of Applied Physics 33, 1482-1498 DOI: 10.1063/1.1728759

**Citation Report** 

#	Article	IF	CITATIONS
1	Determination Of Elastic Moduli Of Sea Ice. , 0, , .		0
2	Theory of Buckling of a Porous Slab and Its Thermoelastic Analogy. Journal of Applied Mechanics, Transactions ASME, 1964, 31, 194-198.	1.1	82
3	Application of Thermodynamics to Thermomechanical, Fracture, and Birefringent Phenomena in Viscoelastic Media. Journal of Applied Physics, 1964, 35, 1451-1465.	1.1	179
4	THEORY OF CONSOLIDATION OF A POROUS MATERIAL WITH HEAT EFFECT BASED ON THE IRREVERSIBLE THERMODYNAMICS. Transactions of the Japan Society of Civil Engineers, 1965, 1965, 28-42.	0.0	3
5	Constitutive theory for a mixture of an isotropic elastic solid and a non-Newtonian fluid. Zeitschrift Fur Angewandte Mathematik Und Physik, 1967, 18, 803-825.	0.7	12
6	Applying the thermodynamics of nonequilibrium processes to the study of nonsteady filtration in a cracked-porous stratum. Journal of Engineering Physics, 1969, 17, 861-866.	0.0	0
7	Constitutive equation for concrete creep and shrinkage based on thermodynamics of multiphase systems. Materiaux Et Constructions, 1970, 3, 3-36.	0.3	42
8	Wave Attenuation in Saturated Sediments. Journal of the Acoustical Society of America, 1970, 47, 1440-1447.	0.5	289
9	Velocities of compressional and shear waves in marine sediments determined in situ from a research submersible. Journal of Geophysical Research, 1970, 75, 4039-4049.	3.3	70
10	Application of a generalized acoustic propagation theory to fibrous absorbents. Journal of Sound and Vibration, 1971, 19, 49-64.	2.1	48
11	The influence of microstructure on propagation in porous fibrous absorbents. Journal of Sound and Vibration, 1971, 16, 419-442.	2.1	32
12	Interacting continuous medium composed of an elastic solid and an incompressible newtonian fluid. International Journal of Solids and Structures, 1971, 7, 825-841.	1.3	10
13	Effect of pore pressure on the velocity of compressional waves in low-porosity rocks. Journal of Geophysical Research, 1972, 77, 3731-3743.	3.3	221
14	Mechanics of porous-adsorbent materials. International Journal of Engineering Science, 1972, 10, 649-658.	2.7	6
15	Nonlinear and semilinear rheology of porous solids. Journal of Geophysical Research, 1973, 78, 4924-4937.	3.3	227
16	CONSIDERATIONS OF WAVE CHARACTERISTICS IN SOIL ASSUMED AS A VISCOELASTIC MATERIAL. Proceedings of the Japan Society of Civil Engineers, 1974, 1974, 81-91.	0.1	4
18	Soil Dynamics: Behavior Including Liquefaction. Developments in Geotechnical Engineering, 1976, , 71-139.	0.1	10
19	Theory of Mixtures. , 1976, , 1-127.		465

ATION RE

#	Article	IF	CITATIONS
20	On the fundamental fluid transport mechanisms through normal and pathological articular cartilage during function—l the formulation. Journal of Biomechanics, 1976, 9, 541-552.	0.9	64
21	First strain gradient theory of thermo-elasticity of a liquid-filled porous solid. Mechanics Research Communications, 1976, 3, 501-508.	1.0	0
22	Mechanics of deformation of porous elastic media with micro-structure. International Journal of Solids and Structures, 1976, 12, 649-654.	1.3	0
23	ACOUSTIC WAVES IN OCEAN SEDIMENTS. Geophysics, 1977, 42, 715-725.	1.4	243
24	Maternal, placental blood flow: A model with velocity-dependent permeability. Journal of Biomechanics, 1977, 10, 807-814.	0.9	19
25	Continuum Theory for Gas-Solid-Liquid Media—L Theory Development. Transactions of the American Society of Agricultural Engineers, 1977, 20, 1186-1189.	0.9	1
26	Models for Selecting Optimal Tobacco Market Locations. Transactions of the American Society of Agricultural Engineers, 1977, 20, 1194-1200.	0.9	1
27	Continuum Theory for Gas-Solid-Liquid Media—II. Modeling by Use of Finite Element Method. Transactions of the American Society of Agricultural Engineers, 1977, 20, 1190-1193.	0.9	1
28	Variational Lagrangian-thermodynamics of nonisothermal finite strain mechanics of porous solids and thermomolecular diffusion. International Journal of Solids and Structures, 1977, 13, 579-597.	1.3	133
29	Sound absorption in flexible porous materials. Journal of Sound and Vibration, 1978, 61, 205-234.	2.1	34
30	Propagation and decay of waves in porous media. Journal of the Acoustical Society of America, 1978, 64, 1125-1131.	0.5	11
31	CONSTITUTIVE THEORY FOR SOLID-FLUID MIXTURE AND ITS APPLICATION TO STRESS WAVE PROPAGATION THROUGH COHESIVE SOIL. Proceedings of the Japan Society of Civil Engineers, 1978, 1978, 117-130.	0.1	1
32	Experimental studies of attenuation in sediments. Journal of the Acoustical Society of America, 1979, 66, 1152-1160.	0.5	53
33	On the dynamic behavior of poroelastic materials. Journal of the Acoustical Society of America, 1979, 65, 90-95.	0.5	26
34	Propagation of waves in a fluid-saturated porous elastic solid. International Journal of Engineering Science, 1979, 17, 1005-1014.	2.7	121
35	A variational theory of porous media. International Journal of Solids and Structures, 1979, 15, 967-980.	1.3	48
36	The fundamental solution in dynamic poroelasticity. Geophysical Journal International, 1979, 58, 61-90.	1.0	143
37	Dynamic characterization of poroelastic materials. Experimental Mechanics, 1979, 19, 252-258.	1.1	48

	С	CITATION REPORT		
#	Article		IF	Citations
38	On White's model of attenuation in rocks with partial gas saturation. Geophysics, 1979, 44, 1806	5-1812.	1.4	144
39	ON THE DEFINITION OF EFFECTIVE STRESS BY THE THEORY OF 2-PHASE MIXTURE. Proceedings of the Society of Civil Engineers, 1980, 1980, 59-64.	e Japan	0.1	1
40	A thermomechanical theory for reacting immiscible mixtures. Archive for Rational Mechanics and Analysis, 1980, 73, 257-284.		1.1	76
41	Dynamic behaviour of a porous medium saturated by a newtonian fluid. International Journal of Engineering Science, 1980, 18, 775-785.		2.7	143
42	The apparent additional mass effect and waves in poroelastic layered media. International Journal of Engineering Science, 1980, 18, 641-649.		2.7	1
43	Quasi-static bending of a cylindrical elastic bar partially embedded in a saturated elastic half-space. International Journal of Solids and Structures, 1980, 16, 625-644.		1.3	32
44	Theoretical analysis of observed second bulk compressional wave in a fluidâ€saturated porous solid a ultrasonic frequencies. Applied Physics Letters, 1980, 37, 898-900.	t	1.5	45
45	Confirmation of Biot's theory. Applied Physics Letters, 1980, 37, 382-384.		1.5	420
46	Theoretical aspects of sound transmission in sediments. Journal of the Acoustical Society of America, 1980, 68, 1341-1350.		0.5	101
47	Equivalence between fourth sound in liquid He II at low temperatures and the Biot slow wave in consolidated porous media. Applied Physics Letters, 1980, 37, 1065-1067.		1.5	96
48	Finite element simulation of Wilmington oil field subsidence: I. Linear modelling. Tectonophysics, 198 65, 339-368.	0,	0.9	48
49	Acoustics of gasâ€bearing sediments I. Background. Journal of the Acoustical Society of America, 198 67, 1865-1889.	0,	0.5	234
50	Drained, undrained, consolidating and dynamic behaviour assumptions in soils. Geotechnique, 1980, 30, 385-395.		2.2	541
51	Ultrasonic <i>P</i> and <i>S</i> wave attenuation in dry and saturated rocks under pressure. Journal of Geophysical Research, 1980, 85, 925-936.		3.3	155
52	Poroelasticity equations derived from microstructure. Journal of the Acoustical Society of America, 1981, 70, 1140-1146.		0.5	411
53	Load transfer from an elastic pile to a saturated porous elastic soil. International Journal for Numerical and Analytical Methods in Geomechanics, 1981, 5, 115-138.		1.7	28
54	A note on the propagation of precursors in poroelastic media. Geophysical Journal International, 1981 67, 673-677.	•,	1.0	0
55	SOIL CONSOLIDATION BEHAVIOR ASSESSED BY SEISMIC VELOCITY MEASUREMENTS*. Geophysical Prospecting, 1981, 29, 715-729.		1.0	15

#	Article	IF	CITATIONS
56	Virtual density and speed of sound in a fluid-solid mixture wlth periodic structure. International Journal of Multiphase Flow, 1981, 7, 619-633.	1.6	13
57	The equivalence of quasistatic flow in fluidâ€saturated porous media and Biot's slow wave in the limit of zero frequency. Journal of Applied Physics, 1981, 52, 3391-3395.	1.1	117
58	Multiple scattering of acoustic waves with application to the index of refraction of fourth sound. Physical Review B, 1981, 24, 2486-2496.	1.1	51
59	Brillouin light scattering from polymer gels. Journal of Chemical Physics, 1981, 75, 5239-5245.	1.2	30
60	Elastodynamics of gels. Journal of Chemical Physics, 1982, 77, 1531-1539.	1.2	115
61	On the application of Biot's theory to acoustic wave propagation in snow. Cold Regions Science and Technology, 1982, 6, 49-60.	1.6	52
62	Biot's poroelasticity equations by homogenization. , 1982, , 51-57.		11
63	Tortuosity and Acoustic Slow Waves. Physical Review Letters, 1982, 49, 1840-1844.	2.9	225
64	Acoustics of Fluid-Saturated Porous Media. , 1982, , .		5
65	Some solutions for static and pseudo-static deformation in layered, nonisothermal, porous media Journal of Physics of the Earth, 1982, 30, 421-440.	1.4	15
66	Elastic waves in fluid-saturated porous media. , 1982, , 38-50.		9
67	Acoustical characteristics of porous materials. Physics Reports, 1982, 82, 179-227.	10.3	218
68	Compressible porous media models by use of the theory of mixtures. International Journal of Engineering Science, 1982, 20, 697-735.	2.7	504
69	A model of lubricant gelling in synovial joints. Zeitschrift Fur Angewandte Mathematik Und Physik, 1982, 33, 93-123.	0.7	21
70	Equations of the mechanics of porous media saturated with liquid and gas. Fluid Dynamics, 1982, 16, 554-559.	0.2	0
71	Non-linear mechanics of ocean wave interactions with sediment beds. Applied Ocean Research, 1982, 4, 99-106.	1.8	24
72	THE INFLUENCE OF PERMEABILITY ON COMPRESSIONAL WAVE VELOCITY IN MARINE SEDIMENTS*. Geophysical Prospecting, 1982, 30, 622-640.	1.0	22
73	Theories of immiscible and structured mixtures. International Journal of Engineering Science, 1983, 21, 863-960.	2.7	514

C	E A 751	DEDC	NDT.
			ו גוו
$\sim$		ICLI C	

#	Article	IF	CITATIONS
74	On the response of a Coulombâ€damped poroelastic bed to water waves. Marine Geotechnology, 1983, 5, 93-130.	0.2	53
75	Solidification and Superfluidity ofHe4in Porous Vycor Glass. Physical Review Letters, 1983, 50, 425-428.	2.9	113
76	Physical Modeling of Seaâ€Seabed Interactions. Journal of Engineering Mechanics - ASCE, 1983, 109, 54-72.	1.6	19
77	Elastic Waves in Solids. Journal of Applied Mechanics, Transactions ASME, 1983, 50, 1152-1164.	1.1	95
78	Dynamic Response and Liquefaction of Earth Dams. Journal of Geotechcnical Engineering, 1983, 109, 89-100.	0.4	7
79	A Laboratory Experimentation on the Interactions Between Water Waves and Soft Clay Beds. Coastal Engineering Journal, 1984, 27, 279-291.	0.2	11
80	ACOUSTIC VELOCITIES OF NEARSHORE MATERIALS IN THE ALASKAN BEAUFORT AND CHUKCHI SEAS. , 1984, , 259-274.		6
81	The influence of clay-sized particles on seismic velocity for Canadian Arctic permafrost. Canadian Journal of Earth Sciences, 1984, 21, 19-24.	0.6	18
82	Electro-Mechanical Behavior of Wet Bone—Part II: Wave Propagation. Journal of Biomechanical Engineering, 1984, 106, 262-271.	0.6	6
83	Response of poroelastic layers to moving loads. International Journal of Solids and Structures, 1984, 20, 499-511.	1.3	43
84	Consolidation around a spherical heat source. International Journal of Solids and Structures, 1984, 20, 1079-1090.	1.3	75
85	Discontinuity waves in a viscoelastic solid saturated with an inviscid fluid. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1984, 83, 61-70.	0.2	1
86	Dynamic behaviour of saturated porous media; The generalized Biot formulation and its numerical solution. International Journal for Numerical and Analytical Methods in Geomechanics, 1984, 8, 71-96.	1.7	773
87	An analytical solution for the transient response of saturated porous elastic solids. International Journal for Numerical and Analytical Methods in Geomechanics, 1984, 8, 381-398.	1.7	133
88	Deformation kinetics in three dimensions. International Journal of Engineering Science, 1984, 22, 979-988.	2.7	2
89	A double porosity model for acoustic wave propagation in fractured-porous rock. International Journal of Engineering Science, 1984, 22, 1209-1217.	2.7	54
90	Propagation of discontinuity waves of any order through an elastic solid saturated with an inviscid fluid. Zeitschrift Fur Angewandte Mathematik Und Physik, 1984, 35, 373-386.	0.7	3
92	ONE DIMENSIONAL WAVE PROPAGATION IN FLUID-SATURATED POROUS ELASTIC MEDIA. Acta Mathematica Scientia, 1984, 4, 441-450.	0.5	1

#	Article	IF	CITATIONS
93	LIQUEFACTION ANALYSIS OF SAND DEPOSITS BY AN ELASTIC-PLASTIC CONSTITUTIVE MODEL. Doboku Gakkai Ronbunshu, 1984, 1984, 187-196.	0.2	1
94	Continuous dependence and uniqueness theorems in boundaryâ€initial value problems for a class of porous bodies occupying bounded or unbounded domains. Mathematika, 1984, 31, 196-213.	0.3	Ο
95	Characterization of snow by acoustic sounding: A feasibility study. Journal of Sound and Vibration, 1985, 99, 247-266.	2.1	15
96	Nonlinear and semilinear dynamic poroelasticity with microstructure. Journal of the Mechanics and Physics of Solids, 1985, 33, 97-116.	2.3	39
97	Role of ultrafiltration of synovial fluid in lubrication of human joints. International Journal of Mechanical Sciences, 1985, 27, 29-37.	3.6	10
98	Consolidation around a point heat source. International Journal for Numerical and Analytical Methods in Geomechanics, 1985, 9, 173-184.	1.7	175
99	Mechanics of porous elastic materials containing multiphase fluid. International Journal of Engineering Science, 1985, 23, 1203-1214.	2.7	30
100	Structural Models for Human Spinal Motion Segments Based on a Poroelastic View of the Intervertebral Disk. Journal of Biomechanical Engineering, 1985, 107, 327-335.	0.6	102
101	Scattering by a spherical inhomogeneity in a fluidâ€saturated porous medium. Journal of Mathematical Physics, 1985, 26, 1408-1419.	0.5	87
102	Marine sediment acoustics. Journal of the Acoustical Society of America, 1985, 77, 1789-1799.	0.5	81
103	Propagation of acoustic normal modes in a homogeneous ocean overlaying layered anisotropic porous beds. Journal of the Acoustical Society of America, 1985, 77, 954-961.	0.5	16
104	Wave Damping by Soil Motion. Journal of Waterway, Port, Coastal and Ocean Engineering, 1985, 111, 62-77.	0.5	34
105	Measurement of the Biot Structural Factor δ: for Sintered Bronze Spheres. , 1985, , .		1
106	Coupled Quasiisotropic Systems. SIAM Journal on Applied Mathematics, 1985, 45, 215-255.	0.8	3
107	Applicability of the Biot theory. I. Lowâ€porosity materials. Journal of the Acoustical Society of America, 1985, 77, 429-440.	0.5	69
108	Biotâ€consistent elastic moduli of porous rocks: Lowâ€frequency limit. Geophysics, 1985, 50, 2797-2807.	1.4	124
109	A Two-Dimensional Theory of Fracture Propagation. SPE Production Engineering, 1986, 1, 17-30.	0.3	27
110	Prediction of Static Elastic/Mechanical Properties of Consolidated and Unconsolidated Sands From Acoustic Measurements: Correlations. , 1986, , .		11

#	Article	IF	CITATIONS
111	Evaluation ofu -w andu - π finite element methods for the dynamic response of saturated porous media using one-dimensional models. International Journal for Numerical and Analytical Methods in Geomechanics, 1986, 10, 461-482.	1.7	109
112	Evaluation of higher order, mixed and Hermitean finite element procedures for dynamic analysis of saturated porous media using one-dimensional models. International Journal for Numerical and Analytical Methods in Geomechanics, 1986, 10, 483-499.	1.7	45
113	Response of poroelastic halfspace to steady-state harmonic surface tractions. International Journal for Numerical and Analytical Methods in Geomechanics, 1986, 10, 609-632.	1.7	72
114	Steady-state harmonic response of a rigid plate bearing on a liquid-saturated poroelastic halfspace. Earthquake Engineering and Structural Dynamics, 1986, 14, 439-454.	2.5	95
115	Flow in porous media I: A theoretical derivation of Darcy's law. Transport in Porous Media, 1986, 1, 3-25.	1.2	1,440
116	A rigid frame model of porous media for the acoustic impedance of snow. Journal of Sound and Vibration, 1986, 111, 71-92.	2.1	28
117	Computation of synthetic seismograms for plane layered earth models including absorption and dispersion phenomena. Journal of Earth System Science, 1986, 95, 321-330.	0.6	0
118	Effective medium approximation for elastic constants of porous solids with microscopic heterogeneity. Journal of Applied Physics, 1986, 59, 1136-1140.	1.1	41
119	Hurricane Wind Waves—A Discrete Spectral Model. Journal of Waterway, Port, Coastal and Ocean Engineering, 1986, 112, 370-389.	0.5	17
120	19. Geophysical Well Logging. Methods in Experimental Physics, 1987, , 441-615.	0.1	7
121	On the acoustic slow wave in airâ€filled granular media. Journal of the Acoustical Society of America, 1987, 81, 93-102.	0.5	101
122	Extensions of Biot's theory of poroelasticity to complex porous media. AIP Conference Proceedings, 1987, , .	0.3	1
123	Theory of dynamic permeability and tortuosity in fluid-saturated porous media. Journal of Fluid Mechanics, 1987, 176, 379.	1.4	1,778
124	Acoustic radiation and reflection from a periodically perforated rigid solid. Journal of the Acoustical Society of America, 1987, 82, 2113-2122.	0.5	15
125	Ultrasonic velocity as a probe of emulsions and suspensions. Advances in Colloid and Interface Science, 1987, 27, 285-316.	7.0	55
126	Vertical vibration of a circular stamp on an elastic-porous half-space with saturation fluid. Proceedings of the Indian Academy of Sciences - Section A, 1987, 96, 27-33.	0.2	0
127	Unconditionally stable staggered solution procedure for soil-pore fluid interaction problems. International Journal for Numerical Methods in Engineering, 1988, 26, 1039-1055.	1.5	139
128	Seismic wave attenuation in fluid-saturated porous media. Pure and Applied Geophysics, 1988, 128, 423-432.	0.8	40

#	Article	IF	CITATIONS
129	Ultrasonics in food engineering. Part I: Introduction and experimental methods. Journal of Food Engineering, 1988, 8, 217-245.	2.7	128
130	Interaction functions of a rigid strip bonded to saturated elastic half-space. International Journal of Solids and Structures, 1988, 24, 915-936.	1.3	47
131	An APL function for modeling p-wave induced liquefaction. Computers and Geosciences, 1988, 14, 641-644.	2.0	2
132	A historical review of the formulation of porous media theories. Acta Mechanica, 1988, 74, 1-8.	1.1	56
133	Biot theory and stress–strain equations in porous soundâ€absorbing materials. Journal of the Acoustical Society of America, 1988, 84, 2277-2279.	0.5	25
134	Highâ€frequency scattering from liquid/porous sediment interfaces. Journal of the Acoustical Society of America, 1988, 84, 760-770.	0.5	7
135	Finite Element Methods for a Model for Full Waveform Acoustic Logging. IMA Journal of Numerical Analysis, 1988, 8, 415-433.	1.5	23
136	Thermal stresses in fluid-filled poroelastic materials. Examination of basic equations Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1988, 54, 1980-1986.	0.2	2
137	Macrodescription OP Micropore Structure in Regard to Fluid Flow Through Porous Media. Studies in Surface Science and Catalysis, 1988, , 345-353.	1.5	0
138	Change of scale methods applied in mechanics of saturated soils. , 1988, , 1-32.		0
139	Nonlinear barometric response of borehole strainmeters and its interpretation Journal of Physics of the Earth, 1989, 37, 357-383.	1.4	5
140	The Behavior of a Poroelastic Seabed Under Normal and Shear Loads. Journal of Offshore Mechanics and Arctic Engineering, 1989, 111, 303-310.	0.6	1
141	Stressâ€induced anisotropy in sediment acoustics. Journal of the Acoustical Society of America, 1989, 85, 702-708.	0.5	10
142	Attenuation of sound in marine sediments: A review with emphasis on new lowâ€frequency data. Journal of the Acoustical Society of America, 1989, 86, 716-738.	0.5	113
143	Viscous attenuation of acoustic waves in suspensions. Journal of the Acoustical Society of America, 1989, 85, 1925-1934.	0.5	71
144	Stoneleyâ€wave attenuation and dispersion in permeable formations. Geophysics, 1989, 54, 330-341.	1.4	70
145	Integral formulation and fundamental solutions of dynamic poroelasticity and thermoelasticity. Acta Mechanica, 1989, 76, 89-104.	1.1	82
146	The propagation of Love waves in a fluid-saturated porous anisotropic layer. Acta Mechanica, 1989, 79, 155-168.	1.1	29

#	Article	IF	CITATIONS
147	On propagation of shear waves in a multilayer medium including a fluid-saturated porous stratum. Acta Mechanica, 1989, 79, 169-181.	1.1	2
148	Earthquake analysis with generalized plasticity model for saturated soils. Earthquake Engineering and Structural Dynamics, 1989, 18, 903-919.	2.5	19
149	Vertical vibration of a circular footing on a saturated half-space. International Journal of Engineering Science, 1989, 27, 353-361.	2.7	26
150	Finite element analysis of fluid phase nonlinearity effects on the undrained dynamic behaviour of nearly saturated porous media. Soil Dynamics and Earthquake Engineering, 1989, 8, 189-201.	1.9	2
151	Darcyan flow with relaxation effect. Flow, Turbulence and Combustion, 1989, 46, 45-72.	0.2	10
152	Drying gels. Journal of Non-Crystalline Solids, 1989, 109, 171-182.	1.5	124
153	Seismic boundary conditions for porous media. Journal of Geophysical Research, 1989, 94, 3025-3029.	3.3	29
154	Theory of Drying. Journal of the American Ceramic Society, 1990, 73, 3-14.	1.9	871
155	Propagation of elastic waves in a cylindrical bore in a liquidsaturated porous solid. Geophysical Journal International, 1990, 103, 47-54.	1.0	17
156	Computer simulation of ion beam mixing. Nuclear Instruments & Methods in Physics Research B, 1990, 45, 701-706.	0.6	29
157	Foundation shakedown of offshore platforms. Computers and Geotechnics, 1990, 10, 231-245.	2.3	13
158	Surface wave propagation in a transversely isotropic elastic layer overlying a liquid saturated porous solid half-space and lying under the uniform layer of liquid. Pure and Applied Geophysics, 1990, 133, 523-539.	0.8	20
159	A three-field finite element procedure for analysis of elastic wave propagation through fluid-saturated soils. Soil Dynamics and Earthquake Engineering, 1990, 9, 58-65.	1.9	6
160	A mixed-penalty finite element formulation of the linear biphasic theory for soft tissues. International Journal for Numerical Methods in Engineering, 1990, 30, 1063-1082.	1.5	42
161	On the analysis of thin porous coatings. Prikladnaya Matematika I Mekhanika, 1990, 54, 388-392.	0.4	0
162	Formulation and evaluation of a finite element model for the biphasic model of hydrated soft tissues. Computers and Structures, 1990, 35, 425-439.	2.4	77
163	Trapping and absorption of sound waves II a sphere covered with a porous layer. Wave Motion, 1990, 12, 401-414.	1.0	29
164	Finiteâ€element results of the slow compressional wave in a porous medium at ultrasonic frequencies. Journal of Applied Physics, 1990, 68, 4335-4337.	1.1	8

	CITATION	Report	
#	Article	IF	CITATIONS
165	Velocity and attenuation of fast, shear and slow waves in porous media. , 0, , .		3
166	Static and dynamic behavior of a porous solid saturated by a twoâ€phase fluid. Journal of the Acoustical Society of America, 1990, 87, 1428-1438.	0.5	140
167	A model for wave propagation in a porous medium saturated by a twoâ€phase fluid. Journal of the Acoustical Society of America, 1990, 87, 1439-1448.	0.5	149
168	Cryptoexplosion structures, shock deformation and siderophile concentration related to explosive venting of fluids associated with alkaline ultramafic magmas. Tectonophysics, 1990, 171, 303-335.	0.9	38
169	Theory of Deformation and Flow in Gels. , 1990, , 406-451.		0
170	Alternate Hybrid, Mixed, and Penalty Finite Element Formulations for the Biphasic Model of Soft Hydrated Tissues. , 1990, , 401-435.		7
171	Surface waves at an interface between air and an airâ€filled poroelastic ground. Journal of the Acoustical Society of America, 1990, 87, 1010-1016.	0.5	8
172	Integral Equation for Dynamic Poroelasticity in Frequency Domain with BEM Solution. Journal of Engineering Mechanics - ASCE, 1991, 117, 1136-1157.	1.6	170
173	Waveâ€induced instability of seabed: Mechanism and conditions. Marine Geotechnology, 1991, 10, 277-299.	0.2	47
174	Wave Propagation in Porous Media—A Review. , 1991, , 373-469.		22
175	Poroelastic Finite Element Models in Biomechanics â $\in$ " an Overview. , 1991, , 279-288.		0
177	Reflection and transmission of elastic waves at a loosely bonded interface between an elastic solid and liquid-saturated porous solid. Geophysical Journal International, 1991, 105, 601-617.	1.0	35
178	A penalty finite element analysis for nonlinear mechanics of biphasic hydrated soft tissue under large deformation. International Journal for Numerical Methods in Engineering, 1991, 32, 1411-1439.	1.5	84
179	Surface wave propagation in a liquid-saturated porous layer overlying a homogeneous transversely isotropic half-space and lying under a uniform layer of liquid. International Journal of Solids and Structures, 1991, 27, 1255-1267.	1.3	24
180	Seismic wave propagation in a viscoelastic porous solid saturated by viscous liquid. Pure and Applied Geophysics, 1991, 135, 383-400.	0.8	33
181	The interaction of ultrasound with cancellous bone. Physics in Medicine and Biology, 1991, 36, 1331-1340.	1.6	134
182	Dynamic permeability and borehole Stoneley waves: A simplified Biot–Rosenbaum model. Journal of the Acoustical Society of America, 1991, 90, 1632-1646.	0.5	86
183	Submarine landslides: Elements of analysis. Marine Geotechnology, 1991, 10, 97-124.	0.2	8

#	Article	IF	CITATIONS
184	A Viscoelastic Model for the Dynamic Behavior of Saturated Poroelastic Soils. Journal of Applied Mechanics, Transactions ASME, 1992, 59, 128-135.	1.1	59
185	Noise Barrier Simulated by Rigid Screen with Back Wall. Journal of Engineering Mechanics - ASCE, 1992, 118, 40-55.	1.6	1
186	Reflection and Transmission of Water Wave by Porous Breakwater. Journal of Waterway, Port, Coastal and Ocean Engineering, 1992, 118, 437-452.	0.5	23
187	Response of Crossâ€Anisotropic Seabed to Ocean Waves. Journal of Geotechcnical Engineering, 1992, 118, 1295-1314.	0.4	40
188	Influence of Seafloor on Acoustic Plane Wave. Journal of Engineering Mechanics - ASCE, 1992, 118, 1987-2004.	1.6	1
189	Experimental detection of a slow acoustic wave in sediment at shallow grazing angles. Journal of the Acoustical Society of America, 1992, 91, 2615-2619.	0.5	44
190	Sea ice elastic moduli: Determination of Biot parameters using inâ€field velocity measurements. Journal of the Acoustical Society of America, 1992, 91, 2627-2636.	0.5	12
191	Sonar attenuation modeling for classification of marine sediments. Journal of the Acoustical Society of America, 1992, 91, 116-126.	0.5	41
192	On the correspondence between poroelasticity and thermoelasticity. Journal of Applied Physics, 1992, 71, 1138-1141.	1.1	102
193	Reflection and transmission coefficients in fluidâ€saturated porous media. Journal of the Acoustical Society of America, 1992, 91, 1911-1923.	0.5	84
194	On noise barrier simulated by porous medium with back wall. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 1992, 15, 151-160.	0.6	0
195	A STUDY ON THE DESIGN OF GEOTECHNICAL ENGINEERING STRUCTURES CONSIDERING INTERACTION BETWEEN VOLUMETRIC STRAIN OF POROUS MEDIA AND PORE WATER. Doboku Gakkai Ronbunshu, 1992, 1992, 87-96.	0.2	0
196	Chapter 1 Elasticity. Developments in Petroleum Science, 1992, 33, 1-46.	0.2	0
197	Chapter 5 Acoustic wave propagation in rocks. Developments in Petroleum Science, 1992, 33, 135-160.	0.2	0
198	Shear-Wave Porosity Logging in Sands. SPE Formation Evaluation, 1992, 7, 106-112.	0.5	6
199	DYNAMIC RESPONSE ANALYSIS OF THE SATURATED TWO-PHASE LAYERED MEDIA BY THIN LAYERED ELEMENT METHOD. Doboku Gakkai Ronbunshu, 1992, 1992, 187-196.	0.2	3
200	Singleâ€scattering approximations for coefficients in Biot's equations of poroelasticity. Journal of the Acoustical Society of America, 1992, 91, 551-571.	0.5	287
201	Seismic properties of pore fluids. Geophysics, 1992, 57, 1396-1408.	1.4	1,259

#	Article	IF	Citations
202	Oscillatory Stokes flow in periodic porous media. Physics of Fluids A, Fluid Dynamics, 1992, 4, 2099-2116.	1.6	84
203	Measurement of a multicomponent granular system using acoustic slow waves. Journal of Applied Physics, 1992, 71, 606-611.	1.1	2
204	Ultrasonic wave propagation in cancellous and cortical bone: Prediction of some experimental results by Biot's theory. Journal of the Acoustical Society of America, 1992, 91, 1106-1112.	0.5	183
205	Effective stress for transport properties of inhomogeneous porous rock. Journal of Geophysical Research, 1992, 97, 17409-17424.	3.3	286
206	Calculation of wear for a plain bearing with a thin porous elastic shell. Journal of Applied Mechanics and Technical Physics, 1992, 32, 814-819.	0.1	6
207	Reflection and refraction of plane harmonic waves at an interface between elastic solid and porous solid saturated by viscous liquid. Pure and Applied Geophysics, 1992, 138, 249-266.	0.8	15
208	Influence of a rigid skeleton pore structure on wave propagation in a fluid-filling porous medium. Transport in Porous Media, 1992, 9, 61-71.	1.2	1
209	FFT-based spectral analysis methodology for one-dimensional wave propagation in poroelastic media. Transport in Porous Media, 1992, 9, 85-97.	1.2	25
210	Extended internal geometry description in modelling of dynamics of fluid-filled permeable media. Transport in Porous Media, 1992, 9, 113-121.	1.2	0
211	Linear waves in saturated porous media. Transport in Porous Media, 1992, 9, 135-142.	1.2	18
212	Effect of temperature and fluid viscosity on the ultrasonic velocities in Lavoux calcite rock. Geophysical Journal International, 1992, 110, 614-618.	1.0	1
213	Transient green's functions of fluid-saturated porous media. Computers and Structures, 1992, 44, 19-27.	2.4	11
214	A spectral element method for two-dimensional wave propagation in horizontally layered saturated porous media. Computers and Structures, 1992, 44, 717-728.	2.4	15
215	Fracture in fully coupled dynamic thermoelasticity. Journal of the Mechanics and Physics of Solids, 1992, 40, 1415-1432.	2.3	36
216	Pore alignment between two dissimilar saturated poroelastic media: Reflection and refraction at the interface. International Journal of Solids and Structures, 1992, 29, 1361-1377.	1.3	9
217	Harmonic stokes flow through periodic porous media: a 3D boundary element method. Journal of Computational Physics, 1992, 99, 214-232.	1.9	9
218	Analysis of Rayleigh waves in saturated porous elastic media by finite element method. Soil Dynamics and Earthquake Engineering, 1992, 11, 311-326.	1.9	9
219	Deriving the equations of motion for porous isotropic media. Journal of the Acoustical Society of America, 1992, 92, 3278-3290.	0.5	175

#	Article	IF	CITATIONS
220	Wave propagation in a cylindrical poroelastic bone with cavity. International Journal of Engineering Science, 1992, 30, 1629-1635.	2.7	4
221	Axisymmetric deformation of poroelastic shells of revolution. International Journal of Solids and Structures, 1992, 29, 3125-3143.	1.3	8
222	Unconditionally convergent partitioned solution procedure for dynamic coupled mechanical systems. International Journal for Numerical Methods in Engineering, 1992, 33, 1975-1996.	1.5	9
223	Transient response of a circular cavity in a poroelastic medium. International Journal for Numerical and Analytical Methods in Geomechanics, 1993, 17, 357-383.	1.7	74
224	Tensile stresses around boreholes due to transient fluid flow. International Journal for Numerical and Analytical Methods in Geomechanics, 1993, 17, 659-667.	1.7	2
225	Finite element methods for an acoustic well-logging problem associated with a porous medium saturated by a two-phase immiscible fluid. Numerical Methods for Partial Differential Equations, 1993, 9, 155-174.	2.0	3
226	Centrifuge validation of a numerical model for dynamic soil liquefaction. Soil Dynamics and Earthquake Engineering, 1993, 12, 73-90.	1.9	95
227	Pore pressure buildup coefficient in synthetic and natural sandstones. International Journal of Rock Mechanics and Mining Sciences, 1993, 30, 1135-1141.	0.3	36
228	Permeability reduction due to grain crushing around a perforation. International Journal of Rock Mechanics and Mining Sciences, 1993, 30, 1223-1229.	0.3	33
229	Local porosity theory for electrical and hydrodynamical transport through porous media. Physica A: Statistical Mechanics and Its Applications, 1993, 194, 406-414.	1.2	36
230	BOREHOLE STONELEY WAVE PROPAGATION ACROSS PERMEABLE STRUCTURES1. Geophysical Prospecting, 1993, 41, 165-187.	1.0	59
231	A comparison between wave propagation in waterâ€saturated and airâ€saturated porous materials. Journal of Applied Physics, 1993, 73, 28-36.	1.1	53
232	Boundary element solution of 3-D wave scatter problems in a poroelastic medium. Engineering Analysis With Boundary Elements, 1993, 12, 223-240.	2.0	55
233	Fundamental solutions of biot's equations of dynamic poroelasticity. International Journal of Engineering Science, 1993, 31, 817-830.	2.7	36
234	The effect of loose boundaries on wave propagation in a porous solid: Reflection and refraction of seismic waves across a plane interface. International Journal of Solids and Structures, 1993, 30, 2485-2499.	1.3	5
235	Calculation of acoustic parameters by a filterâ€correlation method. Journal of the Acoustical Society of America, 1993, 93, 1145-1154.	0.5	19
236	Lowâ€frequency dispersion and attenuation in partially saturated rocks. Journal of the Acoustical Society of America, 1993, 94, 359-370.	0.5	229
237	Drag forces of porous-medium acoustics. Physical Review B, 1993, 47, 4964-4978.	1.1	194

#	Article	IF	CITATIONS
238	Biot–Stoll model of the highâ€frequency reflection coefficient of sea ice. Journal of the Acoustical Society of America, 1993, 94, 371-385.	0.5	4
239	Directional attenuation of SH waves in anisotropic poroelastic inhomogeneous media. Journal of the Acoustical Society of America, 1993, 93, 3057-3065.	0.5	16
240	Analysis and application of in situ pore pressure measurements in marine sediments. Journal of Geophysical Research, 1993, 98, 7921-7938.	3.3	30
241	A transitionâ€matrix formulation of scattering in homogeneous, saturated, porous media. Journal of the Acoustical Society of America, 1993, 94, 1527-1550.	0.5	28
242	Acoustic properties of fineâ€grained sediments from Emerald Basin: Toward an inversion for physical properties using the Biot–Stoll model. Journal of the Acoustical Society of America, 1993, 93, 3193-3200.	0.5	14
243	Fast inversion of formation permeability from stoneley wave logs using a simplified Biotâ€Rosenbaum model. , 1993, , .		1
244	Wave propagation theory in anisotropic periodically layered fluidâ€saturated porous media. Journal of the Acoustical Society of America, 1993, 93, 1277-1285.	0.5	9
245	Constitutive Model for Cyclic Behavior of Clays. II: Applications. Journal of Geotechcnical Engineering, 1993, 119, 730-748.	0.4	19
246	Dynamic Response of Poroelastic Bed to Water Waves. Journal of Hydraulic Engineering, 1993, 119, 1003-1020.	0.7	27
247	Study on Porous Wave Makers. Journal of Engineering Mechanics - ASCE, 1993, 119, 1600-1614.	1.6	9
248	Acoustic wave passing through moving rigid screen. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 1993, 16, 481-487.	0.6	0
249	APPLICATION OF CENTRIFUGE MODEL TESTING TO DYNAMIC PROBLEMS. Doboku Gakkai Ronbunshu, 1993, 1993, 83-92.	0.2	9
250	Fundamentals of Poroelasticity. , 1993, , 113-171.		526
251	Analytical Solutions for Harmonic Wave Propagation in Poroelastic Media. Journal of Engineering Mechanics - ASCE, 1994, 120, 2154-2178.	1.6	14
252	Modeling of coupled electroseismic wave propagation from point sources in layered media. , 1994, , .		5
253	A Dynamic Material Parameter Estimation Procedure for Soft Tissue Using a Poroelastic Finite Element Model. Journal of Biomechanical Engineering, 1994, 116, 19-29.	0.6	28
254	Extension of Biot's theory of wave propagation to frozen porous media. Journal of the Acoustical Society of America, 1994, 96, 3753-3768.	0.5	146
255	A study of reflection loss. II. Involving a porous layer and a demonstration of the Biot slow wave. Journal of the Acoustical Society of America, 1994, 96, 2981-2992.	0.5	2

#	Article	IF	CITATIONS
256	Scattering by an obstacle in a planeâ€ <b>s</b> tratified poroelastic medium: Application to an obstacle in ocean sediments. Journal of the Acoustical Society of America, 1994, 95, 1223-1244.	0.5	20
257	Time domain fundamental solution to Biot's complete equations of dynamic poroelasticity Part II: Three-dimensional solution. International Journal of Solids and Structures, 1994, 31, 169-202.	1.3	75
258	Relaxation of a viscoelastic gel bar: I. theory. Journal of Sol-Gel Science and Technology, 1994, 1, 169-175.	1.1	28
259	FEM-FDM coupled liquefaction analysis of a porous soil using an elasto-plastic model. Flow, Turbulence and Combustion, 1994, 52, 209-245.	0.2	157
260	Geoelectrical and seismic prospections in hydrogeology: Model and master curves for the evaluation of porosity and water saturation. Pure and Applied Geophysics, 1994, 143, 729-751.	0.8	12
261	A fully coupled non-linear dynamic analysis procedure and its verification using centrifuge test results. International Journal for Numerical and Analytical Methods in Geomechanics, 1994, 18, 305-325.	1.7	31
262	Evaluation of three- and two-field finite element methods for the dynamic response of saturated soil. International Journal for Numerical Methods in Engineering, 1994, 37, 1231-1247.	1.5	45
263	Analytical and numerical solutions for wave propagation in water-saturated porous layered half-space. Soil Dynamics and Earthquake Engineering, 1994, 13, 249-257.	1.9	16
264	Observation of a very slow ultrasonic bulk compressional wave in an inhomogeneous porous material. Ultrasonics, 1994, 32, 131-140.	2.1	9
265	Time domain fundamental solution to Biot's complete equations of dynamic poroelasticity. Part I: Two-dimensional solution. International Journal of Solids and Structures, 1994, 31, 1447-1490.	1.3	73
266	Modelling the contact interaction between rough bodies in the presence of a lubricant. Prikladnaya Matematika I Mekhanika, 1994, 58, 123-131.	0.4	1
267	An asymptotic solution for the contact of two biphasic cartilage layers. Journal of Biomechanics, 1994, 27, 1347-1360.	0.9	315
268	Effective elastic properties for a periodic bicontinuous porous medium. Journal of the Mechanics and Physics of Solids, 1994, 42, 283-305.	2.3	18
269	On finite dynamic equations for fluid-saturated porous media. Acta Mechanica, 1994, 105, 101-117.	1.1	42
270	Permeability models for heated saturated igneous rocks. Journal of Geophysical Research, 1994, 99, 24251-24261.	3.3	20
271	Dynamic Green's Functions of Homogeneous Poroelastic Halfâ€Plane. Journal of Engineering Mechanics - ASCE, 1994, 120, 2381-2404.	1.6	96
272	A study of reflection loss. I. A multilayered viscoelastic seabed at very low frequencies. Journal of the Acoustical Society of America, 1994, 96, 2965-2980.	0.5	1
273	Parametric modelling and estimation of acoustic sediment properties using a system identification approach. , 1994, , .		0

#	Article	IF	Citations
274	AN ANALYSIS OF SEEPAGE FAILURE USING AN ELASTO-PLASTIC CONSTITUTIVE EQUATION AND ITS APPLICATION. Doboku Gakkai Ronbunshu, 1994, 1994, 127-135.	0.2	0
275	Fundamental Characteristics of a New Wave Absorbing System Using Sand Liquefaction. , 1995, , 2698.		0
276	An analytical solution for the transient response of saturated linear elastic porous media. International Journal for Numerical and Analytical Methods in Geomechanics, 1995, 19, 399-413.	1.7	56
277	An indirect boundary integral equation method for poroelasticity. International Journal for Numerical and Analytical Methods in Geomechanics, 1995, 19, 587-614.	1.7	26
278	Analytical solution for two-dimensional dynamic consolidation in frequency domain. International Journal for Numerical and Analytical Methods in Geomechanics, 1995, 19, 663-682.	1.7	20
279	Dynamic response of a multi-layered poroelastic medium. Earthquake Engineering and Structural Dynamics, 1995, 24, 703-722.	2.5	100
280	Thermal expansion of a viscoelastic gel. Journal of Sol-Gel Science and Technology, 1995, 4, 169-177.	1.1	7
281	Influence of fluid chemistry on shear-wave attenuation and velocity in sedimentary rocks. Geophysical Journal International, 1995, 121, 737-749.	1.0	14
282	Velocity and attenuation of elastic waves in finely layered porous rocks. Geophysical Journal International, 1995, 121, 933-947.	1.0	225
283	Boundary element method for dynamic poroelastic and thermoelastic analyses. International Journal of Solids and Structures, 1995, 32, 2257-2278.	1.3	103
284	A theoretical solution for the frictionless rolling contact of cylindrical biphasic articular cartilage layers. Journal of Biomechanics, 1995, 28, 1341-1355.	0.9	178
285	Theory of poroelastic beams with axial diffusion. Journal of the Mechanics and Physics of Solids, 1995, 43, 2023-2042.	2.3	25
286	Coupled Fluid Flow and Geomechanics in Reservoir Study -I. Theory and Governing Equations. , 1995, , .		83
287	Finite Element and Boundary Element Models for Predicting the Vibro-Acoustic Behaviour of Multi-Layered Structures. , 0, , .		0
288	A Generalized Finite Element Model for Modeling Multi-Layer Insulation Systems. , 1995, , .		4
289	Attenuation of P―and Sâ€waves as a method of distinguishing gas and condensate from oil and water. Geophysics, 1995, 60, 447-458.	1.4	146
290	Parametric modeling and estimation of acoustic sediment properties using a system identification approach. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1995, 42, 1002-1008.	1.7	3
291	A model for acoustic backscatter from muddy sediments. Journal of the Acoustical Society of America, 1995, 98, 525-530.	0.5	17

#	Article	IF	CITATIONS
292	Relationship between geophysical and geotechnical properties of marine sediments using Biotâ€Stoll model. Marine Georesources and Geotechnology, 1995, 13, 243-261.	1.2	1
293	Realizability of Negative Pore Compressibility in Poroelastic Composites. Journal of Applied Mechanics, Transactions ASME, 1995, 62, 1053-1062.	1.1	53
294	Seismoelectric experimental data and modeling in porous layer models at ultrasonic frequencies. , 1995, , .		4
295	Influence of Viscous Coupling in Propagation of Elastic Waves in Saturated Soil. Journal of Geotechcnical Engineering, 1995, 121, 636-644.	0.4	35
296	Elastic wave equations. , 1995, , 57-83.		0
297	Acoustic properties and potential applications of silica aerogels. Journal of Non-Crystalline Solids, 1995, 186, 244-255.	1.5	135
298	Nonlinear poroelasticity for a layered medium. Journal of the Acoustical Society of America, 1995, 98, 1138-1146.	0.5	11
299	Viscoelasticity and permeability of silica gels. Faraday Discussions, 1995, 101, 225.	1.6	15
300	A parabolic equation for poroâ€elastic media. Journal of the Acoustical Society of America, 1995, 98, 1645-1656.	0.5	31
301	Chapter 5 Propagation of waves in porous media. Advances in Porous Media, 1996, , 361-440.	0.2	30
302	SINGLE FLUID FLOW IN POROUS MEDIA. Chemical Engineering Communications, 1996, 148-150, 653-732.	1.5	75
303	14. Anisotropic Permeability: Influence on Seismic Velocity and Attenuation. , 1996, , 433-461.		7
304	Influence of Viscoelasticity and Permeability on the Stress Response of Silica Gel. Langmuir, 1996, 12, 1109-1116.	1.6	34
305	The non-linear relationship between BUA and porosity in cancellous bone. Physics in Medicine and Biology, 1996, 41, 2411-2420.	1.6	75
306	Effect of Pore Alignment on Surface Wave Propagation in a Liquid-Saturated Porous Layer over a Liquid-Saturated Porous Half-Space with Loosely Bonded Interface Journal of Physics of the Earth, 1996, 44, 153-172.	1.4	7
307	Dynamic $\hat{a} \in equivalent \hat{a} \in equivalent a \in equivalent approach for layered saturated and porous sediments. , 1996, , .$		0
308	Effect of Loose Boundaries on Wave Propagation. Reflection and Refraction of Plane Waves at an Interface between Viscoelastic and Poroviscoelastic Solid Journal of Physics of the Earth, 1996, 44, 173-192.	1.4	5
309	The effects of inertial coupling in the interpretation of dynamic soil tests. Geotechnique, 1996, 46, 245-257.	2.2	24

ARTICLE IF CITATIONS Exact Near-Field SH Motion at the Surface of an Elastic Solid Layer Lying over Fluid-Saturated Porous 310 1.4 1 Solid Half-Space.. Journal of Physics of the Earth, 1996, 44, 215-225. Poroviscoelastic analysis of borehole and cylinder problems. Acta Mechanica, 1996, 119, 199-219. 1.1 74 SILENT BOUNDARY CONDITIONS FOR WAVE PROPAGATION IN SATURATED POROUS MEDIA. International 312 1.7 31 Journal for Numerical and Analytical Methods in Geomechanics, 1996, 20, 253-273. Validity and Limits of the Effective Stress Concept in Geomechanics. International Journal for 1.2 Numerical and Analytical Methods in Geomechanics, 1996, 1, 219-234. Superconvergence results for Galerkin methods for wave propagation in various porous media. 314 2.0 1 Numerical Methods for Partial Differential Equations, 1996, 12, 99-122. ANALYSIS OF A RIGID FRAME MODEL OF POROUS MEDIA FOR THE ACOUSTIC PROPERTIES OF DENSE SNOW. 2.1 Journal of Sound and Vibration, 1996, 196, 439-451. Application of finite elements to the stress analysis of articular cartilage. Medical Engineering and 316 0.8 30 Physics, 1996, 18, 89-98. Rotatory and horizontal vibrations of a circular surface footing on a saturated elastic half-space. 1.3 International Journal of Solids and Structures, 1996, 33, 265-281. Identification and modeling of earthquake ground response  $\hat{a} \in I$ . Site amplification. Soil Dynamics and 318 1.9 48 Earthquake Engineering, 1996, 15, 499-522. Identification and modeling of earthquake ground response — II. Site liquefaction. Soil Dynamics and Earthquake Engineering, 1996, 15, 523-547. A general formulation for saturated aquifer deformation under dynamic and viscous conditions. 320 2 0.3 International Journal of Rock Mechanics and Mining Sciences, 1996, 33, A344. Surface-wave propagation in a cracked poroelastic half-space lying under a uniform layer of fluid. 1.0 Geophysical Journal International, 1996, 127, 31-39. Causes and reduction of numerical artefacts in pseudo-spectral wavefield extrapolation. Geophysical 322 1.0 60 Journal International, 1996, 126, 819-828. Propagation of tube waves generated by an external source in layered permeable rocks. Geophysical Journal International, 1996, 124, 888-906. 1.0 Full frequency-range transient solution for compressional waves in a fluid-saturated viscoacoustic 324 1.0 64 porous medium1. Geophysical Prospecting, 1996, 44, 99-129. Poroelastic Plate and Shell Theories. Solid Mechanics and Its Applications, 1996, , 323-337. 326 Drying-Induced Strain and Stress: A Review. Drying Technology, 1996, 14, 1011-1040. 1.7 48 Fast inversion of formation permeability from Stoneley wave logs using a simplified Biotâ€Rosenbaum 1.4 model. Geophysics, 1996, 61, 639-645.

#	Article		CITATIONS
328	On: "Wave Propagation in heterogeneous, porous media: A velocityâ€stress, finite difference method,―by N. Dai, A. Vafidis, and E. R. Kanasewich (Marchâ€April 1995 GEOPHYSICS, p. 327–340) Geophysics, 1996, 61, 1230-1231.	1.4	23
329	A Poroelastic Finite Element Formulation Including Transport and Swelling in Soft Tissue Structures. Journal of Biomechanical Engineering, 1996, 118, 1-9.	0.6	75
330	Theory of acoustic attenuation, dispersion, and pulse propagation in unconsolidated granular materials including marine sediments. Journal of the Acoustical Society of America, 1997, 102, 2579-2596.	0.5	156
331	Measurements of two types of dilatational waves in an air-filled unconsolidated sand. Journal of the Acoustical Society of America, 1997, 102, 128-136.	0.5	25
332	Acoustic wave propagation through porous media: Theory and experiments. Journal of the Acoustical Society of America, 1997, 102, 2495-2510.	0.5	9
333	Electroseismic investigation of the shallow subsurface: Field measurements and numerical modeling. Geophysics, 1997, 62, 97-105.	1.4	131
334	Dynamic Response of Poroelastic Bed to Nonlinear Water Waves. Journal of Engineering Mechanics - ASCE, 1997, 123, 1041-1049.	1.6	26
335	Experimental analysis of the effects of fluid—solid coupling on the velocity of elastic waves in saturated porous media. Geotechnique, 1997, 47, 993-1008.	2.2	31
336	Application of linear biphasic theory to finite element analysis of head impulse loading. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 1997, 211, 153-165.	1.1	2
337	NORMAL MODE SUPERPOSITION METHOD FOR TRANSIENT RESPONSE ANALYSES OF LAYERED POROELASTIC MEDIA. Doboku Gakkai Ronbunshu, 1997, 1997, 217-230.	0.2	0
338	Piezocomposites of complex microstructure: theory and experimental assessment of the coupling between phases. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1997, 44, 208-217.	1.7	14
339	Seismic attenuation in finely layered porous rocks: Effects of fluid flow and scattering. Geophysics, 1997, 62, 319-324.	1.4	89
340	Poroelastic Backus averaging for anisotropic layered fluid―and gasâ€saturated sediments. Geophysics, 1997, 62, 1867-1878.	1.4	103
341	Tortuosity: a guide through the maze. Geological Society Special Publication, 1997, 122, 299-344.	0.8	290
342	Elastic properties of crosslinked Resorcinol-Formaldehyde gels and aerogels. Journal of Non-Crystalline Solids, 1997, 211, 132-142.	1.5	45
343	Electroseismic waves from point sources in layered media. Journal of Geophysical Research, 1997, 102, 24745-24769.	3.3	233
344	Estimating the crust permeability from fluid-injection-induced seismic emission at the KTB site. Geophysical Journal International, 1997, 131, F15-F18.	1.0	446
345	The onset of Pleistocene glaciation in the Barents Sea: implications for glacial isostatic adjustment. Geophysical Journal International, 1997, 131, 281-292.	1.0	7

#	Article	IF	CITATIONS
346	Dynamic-equivalent medium approach for thinly layered saturated sediments. Geophysical Journal International, 1997, 128, F1-F4.	1.0	62
348	Heterogeneous modelling behaviour at an interface in porous media. Annals of Software Engineering, 1997, 1, 109-125.	0.5	8
349	A symmetric boundary integral approach to transient poroelastic analysis. Computational Mechanics, 1997, 19, 169-178.	2.2	15
350	Reflection and transmission of seismic waves at an interface between two saturated soils. Acta Seismologica Sinica, 1997, 10, 35-42.	0.2	7
351	Confined aquifer as wave-guide and its responses to geo-acoustic waves. Acta Seismologica Sinica, 1997, 10, 387-395.	0.2	0
352	Poroelastic properties of limestones and sandstones under hydrostatic conditions. International Journal of Rock Mechanics and Minings Sciences, 1997, 34, 127-134.	2.6	69
353	Direct and inverse problems in ocean acoustics. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 1535-1546.	0.6	3
354	Transmission Loss in the Far Field over a One-layer Seabed Assuming the Biot Sediment Model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1997, 77, 121-135.	0.9	15
355	Acoustic Field in a Shallow, Stratified Ocean with a Poro-Elastic Seabed. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1997, 77, 677-688.	0.9	15
356	Algorithms for staggeredâ€grid computations for poroelastic, elastic, acoustic, and scalar wave equations. Geophysical Prospecting, 1997, 45, 403-420.	1.0	55
357	1D infinite element for dynamic problems in saturated porous media. Communications in Numerical Methods in Engineering, 1997, 13, 727-738.	1.3	20
358	Theory of poroelastic plates with in-plane diffusion. International Journal of Solids and Structures, 1997, 34, 4515-4530.	1.3	10
359	Large deflection analysis of poroelastic beams. International Journal of Non-Linear Mechanics, 1998, 33, 1-14.	1.4	13
360	Modal impedances for a spherical source in a fluid-filled spherical cavity embedded within a fluid-infiltrated elastic porous medium. International Journal of Solids and Structures, 1998, 35, 129-148.	1.3	10
361	Dynamic poroelasticity of thinly layered structures. International Journal of Solids and Structures, 1998, 35, 4739-4751.	1.3	88
362	Transmission loss in a shallow ocean over a two-layer seabed. International Journal of Solids and Structures, 1998, 35, 4779-4801.	1.3	3
363	Volume averaging, effective stress rules, and inversion for microstructural response of multicomponent porous media. International Journal of Solids and Structures, 1998, 35, 4811-4843.	1.3	23
364	A method for the determination of mechanical parameters in a porous elastically deformable medium : applications to biological soft tissues. International Journal of Solids and Structures, 1998, 35, 4963-4979.	1.3	4

		CITATION REPORT		
#	Article		IF	Citations
365	Materials with Negative Compressibilities in One or More Dimensions. Science, 1998, 2	279, 1522-1524.	6.0	335
366	Connecting theory to experiment in poroelasticity. Journal of the Mechanics and Physic 1998, 46, 719-747.	cs of Solids,	2.3	61
367	Dynamic response of saturated layered half-space with different hydraulic interface con Archive of Applied Mechanics, 1998, 68, 677-688.	nditions.	1.2	3
368	The effective model of a stratified solid-fluid medium as a special case of the Biot mode Mathematical Sciences, 1998, 91, 2812-2827.	el. Journal of	0.1	6
369	Seismic wave propagation in viscoelastic and saturated rock. Acta Seismologica Sinica 295-300.	, 1998, 11,	0.2	0
370	Ultrasonic characterization of the anisotropic behavior of air-saturated porous materia Ultrasonics, 1998, 36, 323-341.	ls.	2.1	26
371	Characterization of the mechanical behaviors of solid-fluid mixture by the homogeniza Computer Methods in Applied Mechanics and Engineering, 1998, 153, 223-257.	tion method.	3.4	92
372	Acoustic band gaps in composites of solids and viscous liquids. Solid State Communica 77-81.	ations, 1998, 106,	0.9	50
373	A stochastic boundary element solution applied to groundwater flow. Engineering Ana Boundary Elements, 1998, 21, 9-21.	lysis With	2.0	8
374	Electrokinetic geophysics - a review. Terra Nova, 1998, 10, 48-55.		0.9	29
375	Dynamic streaming currents from seismic point sources in homogeneous poroelastic n Geophysical Journal International, 1998, 132, 256-274.	nedia.	1.0	27
376	Scattering of a compressional wave in a poroelastic medium by an ellipsoidal inclusion. Journal International, 1998, 133, 91-103.	. Geophysical	1.0	49
377	Viscoelastic effective rheologies for modelling wave propagation in porous media. Geo Prospecting, 1998, 46, 249-270.	physical	1.0	83
378	Using the Biot theory to establish a baseline geoacoustic model for seafloor sediments Shelf Research, 1998, 18, 1839-1857.	. Continental	0.9	21
379	Spectral Green's Dyadic for Point Sources in Poroelastic Media. Journal of Engineering ASCE, 1998, 124, 24-31.	Mechanics -	1.6	22
380	Viscous drag, driving forces, and their reduction to Darcy's Law. Water Resources Rese 1675-1684.	arch, 1998, 34,	1.7	11
381	Propagation of Love waves in a transversely isotropic fluid-saturated porous layered ha Journal of the Acoustical Society of America, 1998, 103, 695-701.	lf-space.	0.5	71
382	Theory of compressional and shear waves in fluidlike marine sediments. Journal of the A Society of America, 1998, 103, 288-299.	Acoustical	0.5	68

#	Article	IF	CITATIONS
383	Wave propagation in range-dependent poro-acoustic waveguides. Journal of the Acoustical Society of America, 1998, 104, 783-790.	0.5	22
385	Static and Dynamic Reservoir Rock Compressibility at High Pressure. , 1998, , .		12
386	EVALUATION METHOD OF DRAINAGE EFFECT OF HORIZONTAL DRAINAGE FOR EMBANKMENT WITH HIGH WATER CONTENT COHESIVE SOIL. Doboku Gakkai Ronbunshu, 1998, 1998, 121-129.	0.2	5
387	Acoustic impedance measurement of snow density. Annals of Glaciology, 1998, 26, 92-96.	2.8	6
388	Experimental Determination of the Biot Elastic Constant: Applications in Formation Evaluation (Sonic) Tj ETQq0 0 Engineering, 1998, 1, 57-63.	0 rgBT /C 1.1	Overlock 10 T 16
389	<title>Double-porosity modeling in elastic wave propagation for reservoir characterization</title> . , 1998, , .		5
390	VIOLINS - A Modeling Tool for Layered Materials. , 1998, , .		0
391	Acoustic impedance measurement of snow density. Annals of Glaciology, 1998, 26, 92-96.	2.8	6
392	Effects of Brain Ventricular Shape on Periventricular Biomechanics: A Finite-element Analysis. Neurosurgery, 1999, 45, 107-118.	0.6	85
393	Contact Creep of Biphasic Cartilage Layers. Journal of Applied Mechanics, Transactions ASME, 1999, 66, 137-145.	1.1	23
394	Anisotropy and amplitude versus offset: a case history from the West of Shetlands. Petroleum Geology Conference Proceedings, 1999, 5, 635-643.	0.7	9
395	Dynamic Axial Load Transfer from Elastic Bar to Poroelastic Medium. Journal of Engineering Mechanics - ASCE, 1999, 125, 1048-1055.	1.6	102
396	1. Digital Images and Computer Modeling. Experimental Methods in the Physical Sciences, 1999, , 1-41.	0.1	39
397	Seismic signatures of permeability in heterogeneous porous media. Geophysics, 1999, 64, 99-103.	1.4	73
398	1D waves in a random poroelastic medium with large fluctuations. Waves in Random and Complex Media, 1999, 9, 477-487.	1.5	2
399	The use of finite-element and boundary-element models for predicting the vibro-acoustic behaviour of layered structures. Advances in Engineering Software, 1999, 30, 133-139.	1.8	17
400	Large-scalein situpermeability tensor of rocks from induced microseismicity. Geophysical Journal International, 1999, 137, 207-213.	1.0	152
401	Characteristics of near-surface electrokinetic coupling. Geophysical Journal International, 1999, 137, 231-242.	1.0	42

#	Article	IF	CITATIONS
402	Quadrangle-grid velocity-stress finite difference method for poroelastic wave equations. Geophysical Journal International, 1999, 139, 171-182.	1.0	26
403	Attenuation of P- and S-waves in limestones. Geophysical Prospecting, 1999, 47, 359-392.	1.0	40
404	Vertical dynamic response of a disk on a saturated poroelastic half-space. Soil Dynamics and Earthquake Engineering, 1999, 18, 437-443.	1.9	43
405	Propagation of weak perturbations in cracked porous media. Prikladnaya Matematika I Mekhanika, 1999, 63, 769-777.	0.4	4
406	The vertical vibration of an elastic circular plate on a fluid-saturated porous half space. International Journal of Engineering Science, 1999, 37, 379-393.	2.7	40
407	Dispersion in oceanic crust during earthquake preparation. International Journal of Solids and Structures, 1999, 36, 3469-3482.	1.3	14
408	An application of ultrasonic tomographic imaging to study smoldering combustion. Combustion and Flame, 1999, 116, 120-135.	2.8	18
409	Title is missing!. Transport in Porous Media, 1999, 36, 149-160.	1.2	52
410	Body forces equivalent to jumps of stresses and displacements in the Biot model of an anisotropic porous medium. Journal of Mathematical Sciences, 1999, 96, 3305-3311.	0.1	0
411	Effective models of stratified media containing porous biot layers. Journal of Mathematical Sciences, 1999, 96, 3371-3385.	0.1	6
412	Numerical Solution of the Poroviscoelastic Wave Equation on a Staggered Mesh. Journal of Computational Physics, 1999, 154, 520-527.	1.9	76
413	A mixed finite element formulation of triphasic mechano-electrochemical theory for charged, hydrated biological soft tissues. International Journal for Numerical Methods in Engineering, 1999, 45, 1375-1402.	1.5	142
414	A study on problems associated with finite element excavation analysis by the stress-flow coupled method. International Journal for Numerical and Analytical Methods in Geomechanics, 1999, 23, 1473-1492.	1.7	9
415	Dynamic behaviour of unsaturated porous media: governing equations using the Theory of Mixtures with Interfaces (TMI). International Journal for Numerical and Analytical Methods in Geomechanics, 1999, 23, 1579-1608.	1.7	71
416	Vertical vibrations of a rigid disk embedded in a poroelastic medium. International Journal for Numerical and Analytical Methods in Geomechanics, 1999, 23, 2075-2095.	1.7	58
417	Biot theory: a review of its application to ultrasound propagation through cancellous bone. Bone, 1999, 24, 291-295.	1.4	140
418	Interface conditions for Biot's equations of poroelasticity. Journal of the Acoustical Society of America, 1999, 105, 2585-2589.	0.5	118
419	Measured acoustic wave velocities of R11 (CCl3F) hydrate samples with and without sand as a function of hydrate concentration. Journal of Geophysical Research, 1999, 104, 15415-15424.	3.3	89

#	Article	IF	CITATIONS
420	Time-Dependent Coupled Processes in Wellbore Design and Stability: PBORE-3D. , 1999, , .		6
421	Biphasic Poroviscoelastic Behavior of Hydrated Biological Soft Tissue. Journal of Applied Mechanics, Transactions ASME, 1999, 66, 528-535.	1.1	66
422	Numerical Analysis of Seismic Behavior of Embankments Founded on Liquefiable Soils. Soils and Foundations, 2000, 40, 21-39.	1.3	38
423	Twoâ€phase finite element procedures for dynamic analysis of saturated porous media. Engineering Computations, 2000, 17, 758-774.	0.7	4
424	Permeability Determination from Stoneley Waves in the Ara Group. , 2000, , .		4
425	Reflection and Transmission of Plane Wave on an Interface between Dissimilar Twoâ€₽hase, Transversely Isotropic Media. Chinese Journal of Geophysics, 2000, 43, 731-739.	0.2	5
426	Finite Element Methods for the Equations of Waves in Fluid‣aturated Porous Media. Chinese Journal of Geophysics, 2000, 43, 291-306.	0.2	2
427	An inversion for fluid transport properties of three-dimensionally heterogeneous rocks using induced microseismicity. Geophysical Journal International, 2000, 143, 931-936.	1.0	23
428	A generalized Biot-Gassmann model for the acoustic properties of shaley sandstones1. Geophysical Prospecting, 2000, 48, 539-557.	1.0	77
429	Transient response of an elastic circular plate on a poroelastic half space. Mechanics Research Communications, 2000, 27, 149-156.	1.0	8
430	Elastic wave propagation and attenuation in a double-porosity dual-permeability medium. International Journal of Rock Mechanics and Minings Sciences, 2000, 37, 63-78.	2.6	208
431	Homogenizing the acoustic properties of the seabed: Part I. Nonlinear Analysis: Theory, Methods & Applications, 2000, 40, 185-212.	0.6	98
432	Computation of individual contributions of two compression waves in vibration of water-saturated soils. Computers and Geotechnics, 2000, 27, 79-100.	2.3	11
433	Horizontal vibrations of a disk on a poroelastic half-space. Soil Dynamics and Earthquake Engineering, 2000, 19, 269-275.	1.9	49
434	Influence of water saturation on horizontal and vertical motion at a porous soil interface induced by incident SV wave. Soil Dynamics and Earthquake Engineering, 2000, 19, 339-346.	1.9	22
435	Rocking vibrations of rigid disk on saturated poroelastic medium. Soil Dynamics and Earthquake Engineering, 2000, 19, 469-472.	1.9	26
436	Macroscale Thermodynamics and the Chemical Potential for Swelling Porous Media. Transport in Porous Media, 2000, 39, 187-225.	1.2	78
437	Scattering of elastic waves by periodic arrays of spherical bodies. Physical Review B, 2000, 62, 278-291.	1.1	275

# 438	ARTICLE Study of elastic wave propagation in two-phase anisotropic media by numerical modeling of pseudospectral method. Acta Seismologica Sinica. 2000. 13, 143-150	IF 0.2	Citations
439	Seismic waves in cracked two-phase anisotropic medium with fourfold rotation symmetry. Acta Seismologica Sinica, 2000, 13, 306-315.	0.2	0
440	Effects of the Biot and the squirt-flow coupling interaction on anisotropic elastic waves. Science Bulletin, 2000, 45, 2130-2138.	1.7	36
441	Three-dimensional non-axisymmetric Lamb's problem for saturated soil. Science in China Series D: Earth Sciences, 2000, 43, 183-193.	0.9	7
442	ACOUSTIC LOGGING MODELING BY REFINED BIOT'S EQUATIONS. International Journal of Modern Physics C, 2000, 11, 365-396.	0.8	9
443	Grain Bulk Modulus of Marine Sediment. Japanese Journal of Applied Physics, 2000, 39, 3180-3183.	0.8	3
444	Ultrashallow seismic reflection monitoring of seasonal fluctuations in the water table. Environmental and Engineering Geoscience, 2000, 6, 271-277.	0.3	27
445	Collecting Seismicâ€Reflection Data from Depths Shallower than Three Meters. , 2000, , .		3
446	Using borehole electroseismic measurements to detect and characterize fractured (permeable) zones. Geophysics, 2000, 65, 1098-1112.	1.4	104
447	Acoustic imaging in a shallow ocean with a thin ice cap. Inverse Problems, 2000, 16, 1799-1811.	1.0	14
449	Wave propagation in micro-heterogeneous porous media: A model based on an integro-differential wave equation. Journal of the Acoustical Society of America, 2000, 107, 2965-2972.	0.5	34
450	A Fully Coupled Analysis Procedure for Dynamic Behavior of Unsaturated Soils. , 2000, , 165.		0
451	Transformation of seismic velocity data to extract porosity and saturation values for rocks. Journal of the Acoustical Society of America, 2000, 107, 3018-3027.	0.5	26
452	Dynamic Response of Soft Poroelastic Bed to Nonlinear Water Wave—Boundary Layer Correction Approach. Journal of Engineering Mechanics - ASCE, 2000, 126, 1064-1073.	1.6	6
453	Laminar Poroelastic Media Flow. Journal of Engineering Mechanics - ASCE, 2000, 126, 358-366.	1.6	25
454	Ultrasonic waves propagation in fluid-saturated materials. , 0, , .		0
455	Mantle dynamics, postglacial rebound and the radial viscosity profile. Physics of the Earth and Planetary Interiors, 2000, 121, 301-324.	0.7	92
456	Resonant behavior of saturated porous media. Journal of Geophysical Research, 2000, 105, 11021-11028.	3.3	12

#	Article	IF	CITATIONS
457	Reservoir-induced deformation and continental rheology in vicinity of Lake Mead, Nevada. Journal of Geophysical Research, 2000, 105, 16341-16358.	3.3	89
458	Nonlinear site effects on strong ground motion at a reclaimed island. Canadian Geotechnical Journal, 2000, 37, 26-39.	1.4	17
459	Physical and acoustic measurements on cohesionless sediments from the northwest Florida Sand Sheet. Geophysical Research Letters, 2001, 28, 823-826.	1.5	8
460	Energy balance and fundamental relations in dynamic anisotropic poro-viscoelasticity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2001, 457, 331-348.	1.0	25
461	The application of the perfectly matched layer in numerical modeling of wave propagation in poroelastic media. Geophysics, 2001, 66, 1258-1266.	1.4	176
462	Liquefaction and dynamic poroelasticity in soft sediments. Journal of Geophysical Research, 2001, 106, 13515-13526.	3.3	25
463	Acoustic detection of buried objects in 3-D fluid saturated porous media: numerical modeling. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 1165-1173.	2.7	30
464	Numerical Analysis of Geomaterials within Theory of Porous Media. Journal of Engineering Mechanics - ASCE, 2001, 127, 167-175.	1.6	8
467	Seismic attenuation in a heterogeneous porous rock. ASEG Extended Abstracts, 2001, 2001, 1-4.	0.1	0
468	Wave Damping Due to Liquefied Sandbed and Wave-Induced Compaction: Study on the Development of a Liquefied Sandbed Wave Barrier. , 2001, , 692.		1
469	Dynamic Permeability in Porous Medium Acoustics. Chinese Journal of Geophysics, 2001, 44, 135-142.	0.2	9
470	Numerical Simulation of Streaming Potentials Due to Deformation-Induced Hierarchical Flows in Cortical Bone. Journal of Biomechanical Engineering, 2001, 123, 66-70.	0.6	22
472	Elastic Solutions of 1-D Subsidence due to ASR Applications. , 2001, , 1.		1
473	The source vector and static displacement field by elastic dislocation on the two-phase saturated medium. Acta Seismologica Sinica, 2001, 14, 251-258.	0.2	3
474	The Green's function of the harmonic horizontal force applied at the interior of the saturated half-space soil. Acta Seismologica Sinica, 2001, 14, 196-202.	0.2	1
475	Analysis of silt behavior induced by water waves. Science in China Series D: Earth Sciences, 2001, 44, 239-250.	0.9	2
476	The non-axisymmetrical dynamic response of transversely isotropic saturated poroelastic media. Applied Mathematics and Mechanics (English Edition), 2001, 22, 63-78.	1.9	4
477	Poroelastography: imaging the poroelastic properties of tissues. Ultrasound in Medicine and Biology, 2001, 27, 1387-1397.	0.7	122

#	Article	IF	CITATIONS
478	Lateral dynamic compliance of pile embedded in poroelastic half space. Soil Dynamics and Earthquake Engineering, 2001, 21, 519-525.	1.9	45
479	Homogenizing the acoustic properties of the seabed, part II. Mathematical and Computer Modelling, 2001, 33, 821-841.	2.0	72
480	Dynamic Green's function for homogeneous and isotropic porousÂmedia. Geophysical Journal International, 2001, 147, 622-629.	1.0	24
481	The seismic response to overpressure: a modelling study based on laboratory, well and seismic data. Geophysical Prospecting, 2001, 49, 523-539.	1.0	29
482	The effects of inertia on crack growth in poroelastic fluid-saturated media. Journal of the Mechanics and Physics of Solids, 2001, 49, 995-1020.	2.3	19
483	THE VIBRATIONAL RESPONSE OF A CLAMPED RECTANGULAR POROUS PLATE. Journal of Sound and Vibration, 2001, 247, 19-31.	2.1	38
484	TRANSVERSE VIBRATIONS OF A THIN RECTANGULAR POROUS PLATE SATURATED BY A FLUID. Journal of Sound and Vibration, 2001, 247, 1-18.	2.1	63
485	Dynamic response of soft poroelastic bed to linear water waves?a boundary layer correction approach. International Journal for Numerical and Analytical Methods in Geomechanics, 2001, 25, 651-674.	1.7	10
486	The formation of dunes, antidunes, and rapidly damping waves in alluvial channels. International Journal for Numerical and Analytical Methods in Geomechanics, 2001, 25, 675-690.	1.7	5
487	Wave Simulation in Frozen Porous Media. Journal of Computational Physics, 2001, 170, 676-695.	1.9	74
488	Bed forms of soft poroelastic material in an alluvial channel. International Journal of Solids and Structures, 2001, 38, 4331-4356.	1.3	5
489	Dynamic response of a poroelastic half space to horizontal buried loading. International Journal of Solids and Structures, 2001, 38, 8053-8064.	1.3	43
490	The Non-Axisymmetrical Dynamic Response of Transversely Isotropic Saturated Poroelastic Media. Applied Mathematics and Mechanics (English Edition), 2001, 22, 63-78.	1.9	8
491	Generalized Macroscopic Models for Fluid Flow in Deformable Porous Media I: Theories. Transport in Porous Media, 2001, 45, 1-27.	1.2	5
492	Seismic wave propagation in inhomogeneous and anisotropic porous media. Geophysical Journal International, 2001, 145, 209-222.	1.0	63
493	FREQUENCY DOMAIN WAVE PROPAGATION MODELING IN EXPLORATION SEISMOLOGY. Journal of Computational Acoustics, 2001, 09, 941-955.	1.0	10
494	Biphasic Poroviscoelastic Simulation of the Unconfined Compression of Articular Cartilage: I—Simultaneous Prediction of Reaction Force and Lateral Displacement. Journal of Biomechanical Engineering, 2001, 123, 191-197.	0.6	104
495	ANALYSIS OF THE REFLECTION AND TRANSMISSION COEFFICIENTS IN THREE-PHASE SANDSTONE RESERVOIRS. Journal of Computational Acoustics, 2001, 09, 1437-1454.	1.0	6

# 496	ARTICLE TRIANGLE-QUADRANGLE GRID METHOD FOR POROELASTIC, ELASTIC, AND ACOUSTIC WAVE EQUATIONS.	IF 1.0	Citations
497	Load-Factor Stability Analysis of Embankments on Saturated Soil Deposits. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 436-445.	1.5	5
498	UNIFORMLY ASYMPTOTIC SOLUTIONS FOR PSEUDODIFFERENTIAL EQUATIONS WITH SINGULAR INTEGRAL OPERATORS. Journal of Computational Acoustics, 2001, 09, 495-513.	1.0	1
499	Numerical simulation of the Biot slow wave in waterâ€saturated Nivelsteiner Sandstone. Geophysics, 2001, 66, 890-896.	1.4	56
500	Acoustic landmine detection: a 3D poroelastic model. , 2001, 4394, 583.		0
501	Determination of the Acoustic Coupling Factor of Biot's Theory of Elasticity, Using in situ Seismic Measurements. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 2001, 23, 917-936.	0.5	1
502	A staggered-grid finite-difference method with perfectly matched layers for poroelastic wave equations. Journal of the Acoustical Society of America, 2001, 109, 2571-2580.	0.5	74
503	Acoustic waveform inversion with application to seasonal snow covers. Journal of the Acoustical Society of America, 2001, 109, 91-101.	0.5	30
504	Effect of circumferential edge constraint on the acoustical properties of glass fiber materials. Journal of the Acoustical Society of America, 2001, 110, 2902-2916.	0.5	59
505	Dispersion in poroelastic systems. Physical Review E, 2001, 64, 011303.	0.8	34
506	The role of Biot slow waves in electroseismic wave phenomena. Journal of the Acoustical Society of America, 2002, 111, 697-706.	0.5	35
507	Synthesis of antennas located in a sea bay. , 0, , .		0
508	Biot/Squirt Model in Viscoelastic Porous Media. Chinese Physics Letters, 2002, 19, 445-448.	1.3	21
509	Acoustic Wave Reflection from Water-saturated and Air-saturated Sediments. Japanese Journal of Applied Physics, 2002, 41, 3513-3518.	0.8	11
510	Finite Element Method of the Elastic Wave Equation and Waveâ€Fields Simulation in Twoâ€Phase Anisotropic Media. Chinese Journal of Geophysics, 2002, 45, 600-610.	0.2	16
511	Dynamics of Biot squirt-flow. Acoustics Research Letters Online: ARLO, 2002, 3, 12-17.	0.7	4
512	Microseismic monitoring of borehole fluid injections: Data modeling and inversion for hydraulic properties of rocks. , 2002, , .		2
513	Permeability characterization of the Soultz and Ogachi largeâ€scale reservoir using induced microseismicity. Geophysics, 2002, 67, 204-211.	1.4	46

#	Article	IF	CITATIONS
514	Wave Propagation in Transversely Isotropic Fluid-Saturated Poroelastic Media JSME International Journal Series A-Solid Mechanics and Material Engineering, 2002, 45, 348-355.	0.4	6
515	FLUIDAL-ELASTO-PLASTIC CONSTITUTIVE EQUATION OF SAND AND UNIFIED ANALYSES OF LIQUEFACTION AND FLOW PROCESSES OF GROUND. Doboku Gakkai Ronbunshu, 2002, 2002, 53-64.	0.2	1
516	UNIFIED ANALYSIS OF LIQUEFACTION AND FLOW PROCESSES OF INCLINED GROUND USING FLUIDAL ELASTO-PLASTIC MODEL. Doboku Gakkai Ronbunshu, 2002, 2002, 109-119.	0.2	2
517	Simulation of the converted electric field during acoustoelectric logging. , 2002, , .		19
518	NUMERICAL ANALYSIS OF EMBANKMENT FOUNDATION LIQUEFACTION COUNTERMEASURES. Journal of Earthquake Engineering, 2002, 6, 447-471.	1.4	51
519	Diffusion in Deformable Media. The IMA Volumes in Mathematics and Its Applications, 2002, , 115-129.	0.5	3
520	Radiation Loading of a Cylindrical Source in a Fluid-Filled Cylindrical Cavity Embedded Within a Fluid-Saturated Poroelastic Medium. Journal of Applied Mechanics, Transactions ASME, 2002, 69, 675-683.	1.1	29
521	The Reliability of Core Data as Input to Seismic Reservoir Monitoring Studies. SPE Reservoir Evaluation and Engineering, 2002, 5, 79-86.	1.1	14
522	Novel Ringing Silica Gels That Do Not Shrink. Journal of Physical Chemistry B, 2002, 106, 1528-1533.	1.2	55
523	Finite element assessment of the effects of seismic loading rate on soil liquefaction. Canadian Geotechnical Journal, 2002, 39, 331-344.	1.4	18
524	On the use of combined geophysical methods to assess water content and water conductivity of near-surface formations. Journal of Hydrology, 2002, 259, 32-48.	2.3	124
525	A comparison of perturbation theory and the small-slope approximation for acoustic scattering from a rough interface for a Biot medium. IEEE Journal of Oceanic Engineering, 2002, 27, 403-412.	2.1	10
526	Models for computing geomechanical constants of double-porosity materials from the constituents' properties. Journal of Geophysical Research, 2002, 107, ECV 2-1.	3.3	45
527	Comparison of sound speed and attenuation measured in a sandy sediment to predictions based on the Biot theory of porous media. IEEE Journal of Oceanic Engineering, 2002, 27, 413-428.	2.1	183
528	Influence of Permeability on Liquefaction-Induced Shear Deformation. Journal of Engineering Mechanics - ASCE, 2002, 128, 720-729.	1.6	126
529	Technical article: The effect of seasonal soil-moisture conditions on near-surface seismic reflection data quality. First Break, 2002, 20, 35-41.	0.2	10
530	Single-phase flow in composite poroelastic media. Mathematical Methods in the Applied Sciences, 2002, 25, 115-139.	1.2	19
531	Transient deformation of a poroelastic channel bed. International Journal for Numerical and Analytical Methods in Geomechanics, 2002, 26, 1279-1298.	1.7	0

#	Article	IF	CITATIONS
532	INHOMOGENEOUS WAVES IN ANISOTROPIC POROUS LAYER OVERLYING SOLID BEDROCK. Journal of Sound and Vibration, 2002, 258, 577-594.	2.1	9
533	Shear waves in a fluid saturated elastic plate. Sadhana - Academy Proceedings in Engineering Sciences, 2002, 27, 595-604.	0.8	13
534	The role of mechanics in biological and biologically inspired materials. Experimental Mechanics, 2002, 42, 361-371.	1.1	76
535	Numerical simulation of elastic wave propagation based on the transversely isotropic BISQ equation. Acta Seismologica Sinica, 2002, 15, 628-635.	0.2	19
536	Investigation of earthquake mechanisms and their impact on certain basic concepts in earthquake engineering and seismology. Earthquake Engineering and Engineering Vibration, 2002, 1, 281-291.	1.1	2
537	A Kind of Discrete Non-Reflecting Boundary Conditions for Varieties of Wave Equations. Acta Mathematicae Applicatae Sinica, 2002, 18, 295-308.	0.4	0
538	Some effects of the memory kernel singularity on wave propagation and inversion in poroelastic media-1. Forward problems. Geophysical Journal International, 2002, 137, 319-335.	1.0	27
539	Wave velocities and attenuation of shaley sandstones as a function of pore pressure and partial saturation. Geophysical Prospecting, 2002, 50, 615-627.	1.0	47
540	A non-linear analysis of non-isothermal wave propagation in linear-elastic fluid-saturated porous media. International Journal of Plasticity, 2002, 18, 313-344.	4.1	3
541	Poroelastic wave equation including the Biot/squirt mechanism and the solid/fluid coupling anisotropy. Wave Motion, 2002, 35, 223-245.	1.0	68
542	Immiscible two-phase fluid flows in deformable porous media. Advances in Water Resources, 2002, 25, 1105-1117.	1.7	62
543	Ocean waves propagating over a Coulomb-damped poroelastic seabed of finite thickness: an analytical solution. Computers and Geotechnics, 2002, 29, 119-149.	2.3	15
544	Transient foundation solution of saturated soil to impulsive concentrated loading. Soil Dynamics and Earthquake Engineering, 2002, 22, 273-281.	1.9	31
545	Computational modeling of cyclic mobility and post-liquefaction site response. Soil Dynamics and Earthquake Engineering, 2002, 22, 259-271.	1.9	280
546	Dynamic stress concentration near a fluid-filled permeable borehole induced by general modal vibrations of an internal cylindrical radiator. Soil Dynamics and Earthquake Engineering, 2002, 22, 441-458.	1.9	19
547	Nonconforming finite element methods for the simulation of waves in viscoelastic solids. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 5647-5670.	3.4	22
548	Electromechanical wave propagation in a cylindrical poroelastic bone with cavity. Applied Mathematics and Computation, 2002, 133, 257-286.	1.4	15
549	Anomalous phenomena in sound propagation near the sea floor: A review. Acoustical Physics, 2002, 48, 379-387.	0.2	3

ARTICLE IF CITATIONS A continuum theory of porous media saturated by multiple immiscible fluids: I. Linear poroelasticity. 550 2.7 128 International Journal of Engineering Science, 2002, 40, 1807-1833. Dynamic stress intensity factor (Mode I) of a penny-shaped crack in an infinite poroelastic solid. 2.7 24 International Journal of Engineering Science, 2002, 40, 637-646. Wave motions in unbounded poroelastic solids infused with compressible fluids. Zeitschrift Fur 552 0.7 22 Angewandte Mathematik Und Physik, 2002, 53, 1110-1138. The Interference Slow Wave in a Poroacoustic Biot Layer. Journal of Mathematical Sciences, 2002, 108, 0.1 736-745. On the Coefficients of Pore Tortuosity in the Effective Biot Model. Journal of Mathematical Sciences, 554 0.1 5 2002, 108, 752-757. On Effective Models of Porous Stratified Media with a Sliding Contact Between Layers. Journal of 0.1 Mathematical Sciences, 2002, 108, 772-789. Acoustics of a Porous Medium Saturated by a Bubbly Fluid Undergoing Phase Change. Transport in 556 1.2 11 Porous Media, 2002, 46, 43-76. On the Matrix Method in the Theory of Wave Propagation in Layered Biot Media. Journal of Mathematical Sciences, 2002, 111, 3737-3749. 0.1 Sources Acting on the Free Boundary of a Porous Biot Medium and Reflection on This Boundary. 558 0.1 3 Journal of Mathematical Sciences, 2002, 111, 3750-3762. Comparison of Seismic Dispersion and Attenuation Models. Studia Geophysica Et Geodaetica, 2002, 46, 559 293-320. Title is missing!. Journal of Mathematical Sciences, 2003, 117, 3982-3993. 560 0.1 1 An Effective Model of a Porous Block Medium with Slide Contact on the Interfaces. Journal of 0.1 Mathematical Sciences, 2003, 117, 3968-3981. Eshelby's formula for an ellipsoidal elastic inclusion in anisotropic poroelasticity and 562 1.1 11 thermoelasticity. International Journal of Fracture, 2003, 119/120, L77-L82. Electrokinetic effects and fluid permeability. Physica B: Condensed Matter, 2003, 338, 270-273. 1.3 Constitutive relation of unsaturated soil by use of the mixture theory (II)â€"linear constitutive 564 1.9 0 equations and field equations. Applied Mathematics and Mechanics (English Edition), 2003, 24, 138-152. Finite element equations and numerical simulation of elastic wave propagation in two-phase anisotropic media. Acta Seismologica Sinica, 2003, 16, 166-174. Triggering of Seismicity by Pore-pressure Perturbations: Permeability-related Signatures of the 566 170 0.8 Phenomenon. Pure and Applied Geophysics, 2003, 160, 1051-1066. Dispersion analysis of a non-conforming finite element method for the Helmholtz and elastodynamic 1.5 equations. International Journal for Numerical Methods in Engineering, 2003, 58, 1381-1395.

#	Article	IF	CITATIONS
568	Elastic properties of saturated porous rocks with aligned fractures. Journal of Applied Geophysics, 2003, 54, 203-218.	0.9	166
569	Transient dynamic response of poroelastic medium subjected to impulsive loading. Computers and Geotechnics, 2003, 30, 109-120.	2.3	14
570	Liquefaction analysis of saturated soils taking into account variation in porosity and permeability with large deformation. Computers and Geotechnics, 2003, 30, 623-635.	2.3	14
571	Comparison between experimental results and theoretical predictions for P-wave velocity and attenuation at ultrasonic frequency. Wave Motion, 2003, 37, 1-16.	1.0	43
572	Effects of pressure and saturating fluid on wave velocity and attenuation in anisotropic rocks. International Journal of Rock Mechanics and Minings Sciences, 2003, 40, 389-403.	2.6	26
573	Velocities of compressional and shear waves in limestones. Geophysical Prospecting, 2003, 51, 1-13.	1.0	188
574	Acoustic properties of sediments saturated with gas hydrate, free gas and water. Geophysical Prospecting, 2003, 51, 141-158.	1.0	105
575	Velocity and attenuation in partially saturated rocks: poroelastic numerical experiments. Geophysical Prospecting, 2003, 51, 551-566.	1.0	77
576	An anisotropic fractured poroelastic effective medium theory. Geophysical Journal International, 2003, 155, 1006-1020.	1.0	15
577	Dynamic response of pile groups embedded in a poroelastic medium. Soil Dynamics and Earthquake Engineering, 2003, 23, 53-60.	1.9	62
578	Gassmann fluid substitutions: A tutorial. Geophysics, 2003, 68, 430-440.	1.4	224
579	Forced Vertical Vibration of Circular Plate in Multilayered Poroelastic Medium. Journal of Engineering Mechanics - ASCE, 2003, 129, 1330-1341.	1.6	54
580	Mutual relationship between microseismicity and seismic reflectivity: Case study at the German Continental Deep Drilling Site (KTB). Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	12
581	Poreâ€pressure diffusion: A possible triggering mechanism for the earthquake swarms 2000 in Vogtland/NWâ€Bohemia, central Europe. Geophysical Research Letters, 2003, 30, .	1.5	134
582	Microseismic monitoring of borehole fluid injections: Data modeling and inversion for hydraulic properties of rocks. Geophysics, 2003, 68, 685-689.	1.4	110
583	Analysis of energy flow in regenerator of thermoacoustic engines. Review of Scientific Instruments, 2003, 74, 674-676.	0.6	3
585	A dressed-bag model study of the short-rangeNÂ interaction in pion photoproduction processes off the deuteron. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, 2207-2226.	1.4	18
586	Laminar Water Wave and Current Passing Over Porous Bed. Journal of Engineering Mechanics - ASCE, 2003, 129, 655-664.	1.6	7

#	Article	IF	CITATIONS
587	Modelling Seismic Wave Propagation in Heterogeneous Poroelastic Media Using a Highâ€Order Staggered Finiteâ€Difference Method. Chinese Journal of Geophysics, 2003, 46, 1206-1217.	0.2	13
588	Linear dynamics of double-porosity dual-permeability materials. II. Fluid transport equations. Physical Review E, 2003, 68, 036604.	0.8	156
589	Wave simulation in partially frozen porous media with fractal freezing conditions. Journal of Applied Physics, 2003, 94, 7839.	1.1	48
590	Bifurcation of the Biot slow wave in a porous medium. Journal of the Acoustical Society of America, 2003, 114, 90-97.	0.5	16
591	Acoustic and mechanical response of reservoir rocks under variable saturation and effective pressure. Journal of the Acoustical Society of America, 2003, 113, 1801-1811.	0.5	27
592	Linear dynamics of double-porosity dual-permeability materials. I. Governing equations and acoustic attenuation. Physical Review E, 2003, 68, 036603.	0.8	242
593	Influence of Fixed Charge Density Magnitude and Distribution on the Intervertebral Disc: Applications of a Poroelastic and Chemical Electric (PEACE) Model. Journal of Biomechanical Engineering, 2003, 125, 12-24.	0.6	96
594	The generalized BISQ wave equation based on the solid/fluid coupling anisotropy. , 2003, , .		0
595	Elastic waves in non-Newtonian (Maxwell) fluid-saturated porous media. Waves in Random and Complex Media, 2003, 13, 191-203.	1.5	15
596	Functional Properties of Native Articular Cartilage. , 2003, , 46-68.		14
597	A Comparison Between Potapof's and Pride's Equations for Seismoelectric Waves. Chinese Journal of Geophysics, 2003, 46, 142-150.	0.2	1
598	Influences of Phenomenological Modification of the Biot Theory on Characteristics of Sâ€Wave. Chinese Journal of Geophysics, 2003, 46, 1165-1175.	0.2	3
599	Pressure diffusion waves in porous media. , 2003, , .		10
600	STRESS AND DEFORMATION ANALYSIS OF A CENTER CORE-TYPE ROCKFILL DAM DURING CONSTRUCTION. Doboku Gakkai Ronbunshu, 2003, 2003, 105-124.	0.2	1
601	Direct estimation of fluid properties using the poroelastic framework. , 2004, , .		0
602	Adaptive Mesh Refinement and Error Estimate for 3-D Seismic Analysis of Liquefiable Soil Considering Large Deformation. Journal of Natural Disaster Science, 2004, 26, 37-48.	0.4	8
603	The influence of system compliance on collapse of triaxial sand samples. Canadian Geotechnical Journal, 2004, 41, 257-273.	1.4	29
604	On formulation of a transition matrix for poroelastic medium and application to analysis of scattering problem. Journal of the Acoustical Society of America, 2004, 116, 655-676.	0.5	4

#	Article	IF	Citations
605	Geoacoustic inversion in range-dependent ocean environments using a plane wave reflection coefficient approach. Journal of the Acoustical Society of America, 2004, 115, 1078-1102.	0.5	10
606	Characterization of fluid transport properties of the Hot Dry Rock reservoir Soultz-2000 using induced microseismicity. Journal of Geophysics and Engineering, 2004, 1, 77-83.	0.7	30
607	On the Effective Constants of Inhomogeneous Poroelastic Medium. Science and Engineering of Composite Materials, 2004, 11, .	0.6	6
608	Modelling effective rheologies for viscoelastic porous media with application to silt, and medium and coarse sand. Journal of Geophysics and Engineering, 2004, 1, 240-243.	0.7	6
609	Simple expressions for normalâ€incidence reflection coefficients from an interface between fluidâ€saturated porous materials. Geophysics, 2004, 69, 1372-1377.	1.4	42
610	A Double–Porosity Poroelastic Model to Relate P–Wave Attenuation to Fluid Flow in Vuggy Carbonate Rock. Elsevier Geo-Engineering Book Series, 2004, 2, 483-488.	0.0	2
611	ANALYSIS OF LEFT VENTRICULAR MYOCARDIAL PROPERTIES. Journal of Mechanics in Medicine and Biology, 2004, 04, 173-185.	0.3	3
612	Viscous deformation of unconsolidated reservoir sands—Part 2: Linear viscoelastic models. Geophysics, 2004, 69, 742-751.	1.4	31
613	Viscous deformation of unconsolidated reservoir sands—Part 1: Timeâ€dependent deformation, frequency dispersion, and attenuation. Geophysics, 2004, 69, 731-741.	1.4	39
614	ÂPerfectly disordered medium as a model for the description of micro-inhomogeneous mixtures. Journal Physics D: Applied Physics, 2004, 37, 3080-3087.	1.3	5
615	Earth Dam on Liquefiable Foundation and Remediation: Numerical Simulation of Centrifuge Experiments. Journal of Engineering Mechanics - ASCE, 2004, 130, 1168-1176.	1.6	34
616	Poroelastic shear modulus dependence on pore-fluid properties arising in a model of thin isotropic layers. Geophysical Journal International, 2004, 157, 415-425.	1.0	30
617	Standing torsional waves in a fully saturated, porous, circular cylinder. Geophysical Journal International, 2004, 157, 455-473.	1.0	5
618	Surface waves at vacuum/porous medium interface: low frequency range. Wave Motion, 2004, 39, 111-127.	1.0	10
619	Porosity dependence of sound propagation in liquid-4He-filled aerogel. JETP Letters, 2004, 80, 109-113.	0.4	8
620	Comparison of the dynamic response of a saturated soil between two models. Science in China Series D: Earth Sciences, 2004, 47, 551-558.	0.9	1
621	The 3-D non-axisymmetrical Lamb?s problem in transversely isotropic saturated poroelastic me-dia. Science in China Series D: Earth Sciences, 2004, 47, 526.	0.9	5
622	Acoustic radiation from a finite spherical source placed in fluid near a poroelastic sphere. Archive of Applied Mechanics, 2004, 74, 59-74.	1.2	0

#	Article	IF	CITATIONS
623	Dynamic displacements of an infinite beam on a poroelastic half space due to a moving oscillating load. Archive of Applied Mechanics, 2004, 74, 277-287.	1.2	24
624	Characteristic analysis for stress wave propagation in transversely isotropic fluid-saturated porous media. Applied Mathematics and Mechanics (English Edition), 2004, 25, 656-663.	1.9	5
625	Liquefaction and displacement of saturated sand under vertical vibration loading. Acta Mechanica Sinica/Lixue Xuebao, 2004, 20, 96-105.	1.5	7
626	Acoustic radiation from a finite spherical source placed in fluid near a poroelastic sphere. Archive of Applied Mechanics, 2004, 74, 59-74.	1.2	1
627	Parallel finite element modeling of earthquake ground response and liquefaction. Earthquake Engineering and Engineering Vibration, 2004, 3, 23-37.	1.1	27
628	Implementation of plasticity based models in dynamic analysis of earth and rockfill dams: A comparison of Pastor–Zienkiewicz and cap models. Computers and Geotechnics, 2004, 31, 384-409.	2.3	40
629	Some issues in constitutive modeling. Communications in Nonlinear Science and Numerical Simulation, 2004, 9, 305-312.	1.7	6
630	Propagation characteristic of Rayleigh waves in orthotropic fluid-saturated porous media. Journal of Sound and Vibration, 2004, 271, 1-13.	2.1	25
631	Effects of boundary conditions and partial drainage on cyclic simple shear test results—a numerical study. International Journal for Numerical and Analytical Methods in Geomechanics, 2004, 28, 1057-1082.	1.7	10
632	ParCYCLIC: finite element modelling of earthquake liquefaction response on parallel computers. International Journal for Numerical and Analytical Methods in Geomechanics, 2004, 28, 1207-1232.	1.7	20
633	A re-investigation of the low Reynolds number uniform flow past a porous spherical shell. International Journal for Numerical and Analytical Methods in Geomechanics, 2004, 28, 1427-1439.	1.7	7
634	The feasibility of using elastography for imaging the Poisson's ratio in porous media. Ultrasound in Medicine and Biology, 2004, 30, 215-228.	0.7	109
635	Wave propagation in partially saturated porous media: simulation of a second slow wave. Wave Motion, 2004, 39, 227-240.	1.0	59
636	Stresses and excess pore pressure induced in saturated poroelastic halfspace by moving line load. Soil Dynamics and Earthquake Engineering, 2004, 24, 25-33.	1.9	75
637	Dynamic response of partially sealed circular tunnel in viscoelastic saturated soil. Soil Dynamics and Earthquake Engineering, 2004, 24, 1003-1011.	1.9	35
638	Macroscopic Lagrangian formulation of poroelasticity with porosity dynamics. Journal of the Mechanics and Physics of Solids, 2004, 52, 2801-2839.	2.3	50
639	Effects of diagenetic processes on seismic velocity anisotropy in near-surface sandstone and carbonate rocks. Journal of Applied Geophysics, 2004, 56, 165-176.	0.9	8
640	The liquefaction and displacement of highly saturated sand under water pressure oscillation. Ocean Engineering, 2004, 31, 795-811.	1.9	8
#	Article	IF	CITATIONS
-----	--	-----	-----------
641	Waves in stratified anisotropic poroelastic media: a transfer matrix approach. Journal of Sound and Vibration, 2004, 277, 239-275.	2.1	28
642	Modal vibrations of a cylindrical radiator over an impedance plane. Journal of Sound and Vibration, 2004, 278, 461-477.	2.1	24
643	Effective acoustic equations for a two-phase medium with microstructure. Mathematical and Computer Modelling, 2004, 39, 1431-1448.	2.0	18
644	A web-based platform for computer simulation of seismic ground response. Advances in Engineering Software, 2004, 35, 249-259.	1.8	34
645	A numerical study of wave propagation in a poroelastic medium by use of localized differential quadrature method. Applied Mathematical Modelling, 2004, 28, 487-511.	2.2	15
646	On the existence of the low-frequency surface waves in a porous medium. Comptes Rendus - Mecanique, 2004, 332, 43-49.	2.1	4
647	Influence of depth-dependent sediment properties on the pressure reflection coefficient at normal incidence using the Biot-Stoll Model. , 0, , .		1
648	Acoustic Scattering by a Poroelastic Sphere Near a Flat Boundary. Japanese Journal of Applied Physics, 2004, 43, 2612-2623.	0.8	6
649	Effects of diagenetic processes on seismic velocity anisotropy in near-surface sandstone and carbonate rocks. Journal of Applied Geophysics, 2004, , .	0.9	0
650	Back front of seismicity induced after termination of borehole fluid injection. Geophysical Research Letters, 2004, 31, .	1.5	102
651	Seismic attenuation due to wave-induced flow. Journal of Geophysical Research, 2004, 109, .	3.3	662
652	Mechanical and electrical response due to fluid-pressure equilibration following an earthquake. Journal of Geophysical Research, 2004, 109, .	3.3	23
653	Effective field method for seismic properties of cracked rocks. Journal of Geophysical Research, 2004, 109, .	3.3	19
654	SIMULATION OF WAVES IN PORO-VISCOELASTIC ROCKS SATURATED BY IMMISCIBLE FLUIDS: NUMERICAL EVIDENCE OF A SECOND SLOW WAVE. Journal of Computational Acoustics, 2004, 12, 1-21.	1.0	39
655	A model for wave propagation in a composite solid matrix saturated by a single-phase fluid. Journal of the Acoustical Society of America, 2004, 115, 2749-2760.	0.5	38
656	When jelly gets the blues. Journal of Non-Crystalline Solids, 2004, 347, 11-17.	1.5	0
657	A Method for Estimating the Physical and Acoustic Properties of the Sea Bed Using Chirp Sonar Data. IEEE Journal of Oceanic Engineering, 2004, 29, 1200-1217.	2.1	88
658	Multiple scattering of acoustic waves and porous absorbing media. Physical Review E, 2004, 70, 026609.	0.8	44

#	Article	IF	CITATIONS
659	A NUMERICAL METHOD FOR WAVE SCATTERING IN POROELASTIC MEDIA. Doboku Gakkai Ronbunshu, 2004, 2004, 31-46.	0.2	1
660	A POSTERIORI ERROR ESTIMATE AND <i>H</i> -ADAPTIVE FE ANALYSIS OF LIQUEFACTION WITH LARGE DEFORMATION. Doboku Gakkai Ronbunshu, 2004, 2004, 1-15.	0.2	0
661	SEISMIC STABILITY EVALUATION OF FOUNDATION GROUND AND SURROUNDING SLOPE OF NUCLEAR POWER STATIONS CONSIDERING VERTICAL MOTION. Doboku Gakkai Ronbunshu, 2004, 2004, 21-31.	0.2	1
662	Seismic attenuation in a porous rock with spherical heterogeneities. , 2004, , .		1
663	Seismic "low frequency shadows―for gas sand reflection. , 2004, , .		6
664	Simulation of Earthquake Liquefaction Response on Parallel Computers. , 2004, , 1.		1
666	The Impact of Faults Representation on History Match and Future Generated Seismic Impedance Response in Reservoir Models—Case Study for Pierce Field, North Sea. , 2005, , .		2
667	Permeability Estimation From Stoneley Amplitude, Corrected for Borehole Geometry and Rugosity. , 2005, , .		3
668	<title>High-fidelity simulation capability for virtual testing of seismic and acoustic sensors</title> . , 2005, 5796, 105.		0
669	Simulation of Transient Mechanical Wave Propagation in Heterogeneous Soils. Lecture Notes in Computer Science, 2005, , 647-654.	1.0	2
671	Introduction to rock physics. , 2005, , 1-47.		1
672	Rock physics interpretation of texture, lithology and compaction. , 2005, , 48-110.		2
673	Statistical rock physics: Combining rock physics, information theory, and statistics to reduce uncertainty. , 2005, , 111-167.		0
674	Common techniques for quantitative seismic interpretation. , 2005, , 168-257.		19
675	Case studies: Lithology and pore-fluid prediction from seismic data. , 2005, , 258-316.		0
676	Workflows and guidelines. , 2005, , 317-331.		0
677	Hands-on. , 2005, , 332-339.		0
680	Wave propagation modeling in heterogeneous, porous media. , 2005, , .		0

#	Article	IF	CITATIONS
681	A sÃsmica de refração e o GPR no mapeamento do nÃvel freático de aqüÃfero não confinado. Uma análise comparativa a partir de um estudo na cidade de São Paulo/Brasil. , 2005, , .	2	0
682	Radiating and accompanying electromagnetic fields during acousto-electromagnetic logging. , 2005, , .		0
683	Pore pressure coefficient for soil and rock and its relation to compressional wave velocity. Geotechnique, 2005, 55, 251-256.	2.2	16
685	Characteristic analysis of wave propagation in anisotropic fluid-saturated porous media. Journal of Sound and Vibration, 2005, 282, 863-880.	2.1	16
686	Superfluid transition and solidification of 4He in aerogel. Journal of Physics and Chemistry of Solids, 2005, 66, 1486-1489.	1.9	1
687	Wave field simulation for heterogeneous porous media with singular memory drag force. Journal of Computational Physics, 2005, 208, 651-674.	1.9	64
688	On the propagation of waves through porous solids. International Journal of Non-Linear Mechanics, 2005, 40, 373-380.	1.4	21
689	Determination of criticality and diffusivity heterogeneities based on seismic data analysis—Case study of Vogtland, NW-Bohemia. International Journal of Rock Mechanics and Minings Sciences, 2005, 42, 1088-1093.	2.6	1
690	H-adaptivity applied to liquefiable soil in nonlinear analysis of soil–pile interaction. Soil Dynamics and Earthquake Engineering, 2005, 25, 689-699.	1.9	8
691	Transient mechanical wave propagation in semi-infinite porous media using a finite element approach. Soil Dynamics and Earthquake Engineering, 2005, 25, 421-430.	1.9	22
692	Dispersion analysis of a nonconforming finite element method for the three-dimensional scalar and elastic wave equations. Finite Elements in Analysis and Design, 2005, 41, 1309-1326.	1.7	18
693	Elastic properties of inhomogeneous transversely isotropic rocks. International Journal of Solids and Structures, 2005, 42, 393-408.	1.3	39
694	Linear dynamic model for porous media saturated by two immiscible fluids. International Journal of Solids and Structures, 2005, 42, 2689-2709.	1.3	49
695	Dynamic stress concentration around elliptic cavities in saturated poroelastic soil under harmonic plane waves. International Journal of Solids and Structures, 2005, 42, 4295-4310.	1.3	44
696	Dynamic impedances of piles and groups of piles in saturated soils. Computers and Structures, 2005, 83, 769-782.	2.4	94
697	Amplitude of Biot's slow wave scattered by a spherical inclusion in a fluid-saturated poroelastic medium. Geophysical Journal International, 2005, 160, 991-1005.	1.0	21
698	3-D dynamic response of transversely isotropic saturated soils. Applied Mathematics and Mechanics (English Edition), 2005, 26, 1409-1419.	1.9	10
699	Ultrasound techniques for characterizing colloidal dispersions. Reports on Progress in Physics, 2005, 68, 1541-1637.	8.1	236

#	Article	IF	CITATIONS
700	A mixed finite-element method for solving the poroelastic Biot equations with electrokinetic coupling. Geophysical Journal International, 2005, 160, 592-608.	1.0	50
701	Wave propagation along a cylindrical borehole in an anisotropic poroelastic solid. Geophysical Journal International, 2005, 161, 295-302.	1.0	17
702	Poroelastic fluid effects on shear for rocks with soft anisotropy. Geophysical Journal International, 2005, 161, 881-890.	1.0	9
703	Propagation of inhomogeneous plane waves in dissipative anisotropic poroelastic solids. Geophysical Journal International, 2005, 163, 981-990.	1.0	24
704	A model forP-wave attenuation and dispersion in a porous medium permeated by aligned fractures. Geophysical Journal International, 2005, 163, 372-384.	1.0	157
705	Elastic properties of double-porosity rocks using the differential effective medium model. Geophysical Prospecting, 2005, 53, 733-754.	1.0	62
706	Geofluid evidence from analysis of deep crustal seismic data (Southern Tuscany, Italy). Journal of Volcanology and Geothermal Research, 2005, 148, 46-59.	0.8	15
707	Pressure dependence of the sound velocity of 4He in aerogel. Journal of Physics and Chemistry of Solids, 2005, 66, 1506-1508.	1.9	7
708	Torsional oscillation of a rigid disc resting on an infinite saturated elastic layer. Mechanics Research Communications, 2005, 32, 454-462.	1.0	2
709	Fundamental solution for a layered porous half space subject to a vertical point force or a point fluid source. Computational Mechanics, 2005, 35, 376-391.	2.2	82
710	Wave field simulation for heterogeneous transversely isotropic porous media with the JKD dynamic permeability. Computational Mechanics, 2005, 36, 196-208.	2.2	31
711	Polarisations of quasi-waves in a general anisotropic porous solid saturated with viscous fluid. Journal of Earth System Science, 2005, 114, 411-419.	0.6	3
712	Recognition of gas hydrate using AVO-attribute crossplots based on the porous medium theory. Applied Geophysics, 2005, 2, 7-13.	0.1	3
713	The application of the nonsplitting perfectly matched layer in numerical modeling of wave propagation in poroelastic media. Applied Geophysics, 2005, 2, 216-222.	0.1	19
714	A Numerical Method for Wave Propagation in Viscoelastic Stratified Porous Media. Transport in Porous Media, 2005, 61, 15-24.	1.2	2
715	Acoustics of Rotating Deformable Saturated Porous Media. Transport in Porous Media, 2005, 61, 235-237.	1.2	13
716	Rayleigh modes in anisotropic, heterogeneous poroelastic layers. Journal of Seismology, 2005, 9, 431-448.	0.6	6
717	Propagation of Seismic Waves in Block Elastic-Fluid Media. II. Journal of Mathematical Sciences, 2005, 127, 2482-2491.	0.1	0

#	Article	IF	CITATIONS
718	Numerical simulation of ultrasonic waves in reservoir rocks with patchy saturation and fractal petrophysical properties. Computational Geosciences, 2005, 9, 1-27.	1.2	27
719	Elastic anisotropy of porous and fractured rocks under stress. , 2005, , .		1
720	Radiation patterns of seismic waves in poroelastic media. , 2005, , .		2
721	AN ELASTO-VISCOPLASTIC MODEL FOR CLAY CONSIDERING DESTRUCTURALIZATION AND CONSOLIDATION ANALYSIS OF UNSTABLE BEHAVIOR. Soils and Foundations, 2005, 45, 29-42.	0.7	91
722	Moving average fields, macro-scale response measures, and homogenizing micro-scale variation. Journal of the Acoustical Society of America, 2005, 117, 3393-3401.	0.5	0
723	Dispersion of waves in porous cylinders with patchy saturation: Formulation and torsional waves. Journal of the Acoustical Society of America, 2005, 117, 1785-1795.	0.5	8
724	Title is missing!. Journal of Earthquake Engineering, 2005, 9, 17.	1.4	1
725	A first-order statistical smoothing approximation for the coherent wave field in random porous media. Journal of the Acoustical Society of America, 2005, 117, 1796-1805.	0.5	66
726	Quantitative determination of hydraulic properties of fractured rock using seismic techniques. Geological Society Special Publication, 2005, 249, 29-42.	0.8	2
727	Oblique Impact of Water Waves on Thin Porous Walls. Journal of Engineering Mechanics - ASCE, 2005, 131, 721-732.	1.6	4
728	Open and hidden charm production at RHIC and LHC. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S773-S780.	1.4	13
729	3D effects in seismic liquefaction of stochastically variable soil deposits. Geotechnique, 2005, 55, 21-31.	2.2	75
730	Consolidation of a Finite Transversely Isotropic Soil Layer on a Rough Impervious Base. Journal of Engineering Mechanics - ASCE, 2005, 131, 1279-1290.	1.6	29
732	Investigation of the phase velocities of guided acoustic waves in soft porous layers. Journal of the Acoustical Society of America, 2005, 117, 545-554.	0.5	28
733	Estimating heterogeneous reservoir permeability from induced microseismicity. , 2005, , .		1
734	Acoustic Backscattering From a Sandy Seabed. IEEE Journal of Oceanic Engineering, 2005, 30, 700-708.	2.1	16
735	Comparison of measurements of phase velocity in human calcaneus to Biot theory. Journal of the Acoustical Society of America, 2005, 117, 3319-3324.	0.5	54
737	Dynamic Response of Saturated Dense Sand in Laminated Centrifuge Container. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 598-609.	1.5	85

#	Article	IF	CITATIONS
738	Comparison of Upscaling Methods in Poroelasticity and Its Generalizations. Journal of Engineering Mechanics - ASCE, 2005, 131, 928-936.	1.6	36
739	Evidence for triggering of the Vogtland swarms 2000 by pore pressure diffusion. Journal of Geophysical Research, 2005, 110, .	3.3	63
740	Wave propagation through elastic porous media containing two immiscible fluids. Water Resources Research, 2005, 41, .	1.7	160
741	Effect of initial stress on the propagation of plane waves in a general anisotropic poroelastic medium. Journal of Geophysical Research, 2005, 110, .	3.3	18
742	Gel mechanics: A comparison of the theories of Biot and Tanaka, Hocker, and Benedek. Journal of Chemical Physics, 2005, 123, 154905.	1.2	55
743	LIQUEFACTION-INDUCED SETTLEMENT OF SHALLOW FOUNDATIONS AND REMEDIATION: 3D NUMERICAL SIMULATION. Journal of Earthquake Engineering, 2005, 9, 17-45.	1.4	45
744	Propagation of Love Waves in an Inhomogeneous Fluid Saturated Porous Layered Half-Space with Properties Varying Exponentially. Journal of Engineering Mechanics - ASCE, 2005, 131, 1322-1328.	1.6	38
745	Pilot 3D Numerical Simulation of Liquefaction and Countermeasures. , 2005, , 1.		2
746	Porosity and elastic anisotropy of rocks under tectonic stress and pore-pressure changes. Geophysics, 2005, 70, N27-N38.	1.4	109
747	Fluid-Induced Seismicity: Theory, Modeling, and Applications. Journal of Engineering Mechanics - ASCE, 2005, 131, 947-952.	1.6	16
748	P-wave seismic attenuation by slow-wave diffusion: Effects of inhomogeneous rock properties. Geophysics, 2006, 71, O1-O8.	1.4	236
749	Geomechanics and geophysics for reservoir management. Revue Européenne De Génie Civil, 2006, 10, 703-730.	0.0	3
750	Wave Propagation in Anisotropic Generalized Thermoelastic Media. Journal of Thermal Stresses, 2006, 29, 629-642.	1.1	26
751	Seismoelectric numerical modeling on a grid. Geophysics, 2006, 71, N57-N65.	1.4	101
752	Stratigraphic Model Predictions of Geoacoustic Properties. IEEE Journal of Oceanic Engineering, 2006, 31, 266-283.	2.1	6
753	Reflection and transmission of waves in composite porous media: A quantification of energy conversions involving slow waves. Journal of the Acoustical Society of America, 2006, 120, 2425-2436.	0.5	37
754	Conductivity dependence of seismoelectric wave phenomena in fluid-saturated sediments. Journal of Geophysical Research, 2006, 111, .	3.3	60
755	Finite difference modeling of Biot's poroelastic equations at seismic frequencies. Journal of Geophysical Research, 2006, 111, .	3.3	107

ARTICLE IF CITATIONS # Effective Medium Theories for Multicomponent Poroelastic Composites. Journal of Engineering 756 1.6 44 Mechanics - ASCE, 2006, 132, 519-531. A Review of Drying Models Including Shrinkage Effects. Drying Technology, 2006, 24, 5-20. 1.7 Joint estimation of porosity and saturation using stochastic rock-physics modeling. Geophysics, 2006, 758 1.4 168 71, 053-063. Meteorological triggering of earthquake swarms at Mt. Hochstaufen, SE-Germany. Tectonophysics, 0.9 2006, 424, 245-258. NUMERICAL SIMULATION OF LIQUEFACTION AND FLOW PROCESS USING MESH FREE METHOD. Doboku 760 0.1 2 Gakkai Ronbunshuu C, 2006, 62, 22-34. Attenuation and dispersion of P-waves in porous rocks with planar fractures: Comparison of theory and numerical simulations. Geophysics, 2006, 71, N41-N45. 1.4 762 The Infl uence of Ultrasonic Energy on Capillary Fluid Displacement., 2006, , . 0 Hydraulic impacts of glacier advance over a sediment bed. Journal of Glaciology, 2006, 52, 497-527. 1.1 16 Ground Liquefaction due to Earthquake. Journal of the Society of Powder Technology, Japan, 2006, 43, 764 0.0 1 25-33. Acoustic diffraction by a pair of poroelastic cylinders. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2006, 86, 589-605. A contact mechanics method for characterizing the elastic properties and permeability of gels. 766 2.4 57 Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 359-370. Spatiotemporal pore pressure evolution due to fluid-mass point sources in dynamic poroelasticity. Geophysical Journal International, 2006, 165, 906-912. Seismic attenuation due to wave-induced fluid flow in a porous rock with spherical heterogeneities. 768 1.0 18 Geophysical Journal International, 2006, 165, 957-968. A time-domain boundary element formulation for the dynamic analysis of non-linear porous media. 769 Engineering Analysis With Boundary Elements, 2006, 30, 363-370. On the static and dynamic behavior of fluid saturated composite porous solids: A homogenization 770 1.3 11 approach. International Journal of Solids and Structures, 2006, 43, 1224-1238. Reflection and transmission of elastic waves at an elastic/porous solid saturated by two immiscible fluids. International Journal of Solids and Structures, 2006, 43, 1991-2013. Shear wave dispersion and attenuation in periodic systems of alternating solid and viscous fluid 772 9 1.3layers. International Journal of Solids and Structures, 2006, 43, 7673-7683. SUT-DAM: An integrated software environment for multi-disciplinary geotechnical engineering. 1.8 Advances in Engineering Software, 2006, 37, 728-753.

#	Article	IF	Citations
774	Low-frequency dilatational wave propagation through fully-saturated poroelastic media. Advances in Water Resources, 2006, 29, 408-416.	1.7	17
775	Analytical solutions for water flow passing over a vegetal area. Advances in Water Resources, 2006, 29, 1257-1266.	1.7	31
776	Reflection and transmission of elastic waves at the interface between an elastic solid and a double porosity medium. International Journal of Rock Mechanics and Minings Sciences, 2006, 43, 961-971.	2.6	31
777	A multi-field approach to modeling the dynamic response of cellular materials. International Journal of Mechanical Sciences, 2006, 48, 85-106.	3.6	13
778	Love waves in double porosity media. Journal of Sound and Vibration, 2006, 296, 1000-1012.	2.1	21
779	Rayleigh waves in a double porosity half-space. Journal of Sound and Vibration, 2006, 298, 319-332.	2.1	39
780	Three-dimensional seismic analysis of submarine slopes. Soil Dynamics and Earthquake Engineering, 2006, 26, 870-887.	1.9	18
781	Comparative review of theoretical models for elastic wave attenuation and dispersion in partially saturated rocks. Soil Dynamics and Earthquake Engineering, 2006, 26, 548-565.	1.9	95
782	An analytical interpretation of liquid injection induced microseismicity in porous reservoirs. Soil Dynamics and Earthquake Engineering, 2006, 26, 566-573.	1.9	2
783	Love waves in an inhomogeneous fluid saturated porous layered half-space with linearly varying properties. Soil Dynamics and Earthquake Engineering, 2006, 26, 574-581.	1.9	75
784	Scattering of SV waves by a canyon in a fluid-saturated, poroelastic layered half-space, modeled using the indirect boundary element method. Soil Dynamics and Earthquake Engineering, 2006, 26, 611-625.	1.9	52
785	Vertical vibration of an embedded rigid foundation in a poroelastic soil. Soil Dynamics and Earthquake Engineering, 2006, 26, 626-636.	1.9	38
786	Dynamic response of a flexible plate on saturated soil layer. Soil Dynamics and Earthquake Engineering, 2006, 26, 637-647.	1.9	12
787	Plain strain soil–structure interaction model for a building supported by a circular foundation embedded in a poroelastic half-space. Soil Dynamics and Earthquake Engineering, 2006, 26, 694-707.	1.9	33
788	On citation rates in earthquake engineering. Soil Dynamics and Earthquake Engineering, 2006, 26, 1049-1062.	1.9	8
789	Effective hydraulic conductivity and diffusivity of randomly heterogeneous porous solids with compressible constituents. Applied Physics Letters, 2006, 88, 121924.	1.5	27
790	Effects of Stress and Pore Pressure on Deformation of a Thin Crack-Like Inhomogeneity in a Poroelastic Medium. International Journal of Fracture, 2006, 139, 319-324.	1.1	0
791	Low-Frequency Asymptotic Analysis of Seismic Reflection from a Fluid-Saturated Medium. Transport in Porous Media, 2006, 62, 283-305.	1.2	26

~		<u> </u>	
( 15	ГАТІ	NEDC	DT
	IAL	NLPC	ואר

#	Article	IF	CITATIONS
792	Reflection and Transmission of Elastic Waves from the Interface of a Fluid-saturated Porous Solid and a Double Porosity Solid. Transport in Porous Media, 2006, 65, 237-264.	1.2	38
793	Torsional vibrations of rigid circular plate on transversely isotropic saturated soil. Applied Mathematics and Mechanics (English Edition), 2006, 27, 1541-1548.	1.9	8
794	Explicit Effective Constants for an Inhomogeneous Porothermoelastic Medium. Archive of Applied Mechanics, 2006, 76, 199-214.	1.2	15
795	Dynamic Analysis of an Infinite Cylindrical Hole in a Saturated Poroelastic Medium. Archive of Applied Mechanics, 2006, 76, 263-276.	1.2	13
796	Physics and Seismic Modeling for Monitoring CO2 Storage. Pure and Applied Geophysics, 2006, 163, 175-207.	0.8	145
797	Numerical Simulation of the Effect of a DC Electric Field on Seismic Wave Propagation with the Pseudospectral Time Domain Method. Pure and Applied Geophysics, 2006, 163, 1893-1913.	0.8	7
798	Towards an acoustic model-based poroelastic imaging method: I. Theoretical Foundation. Ultrasound in Medicine and Biology, 2006, 32, 547-567.	0.7	71
799	Dynamic response of a pile embedded in a porous medium subjected to plane SH waves. Computers and Geotechnics, 2006, 33, 404-418.	2.3	18
800	A rotated staggered grid finite-difference with the absorbing boundary condition of a perfectly matched layer. Science Bulletin, 2006, 51, 2304-2314.	1.7	7
801	Seismic reflection and transmission coefficients at an air-water interface of saturated porous soil. Acta Seismologica Sinica, 2006, 19, 397-405.	0.2	0
802	Wave field forward modeling and theoretical analysis of weakness in discrete media. Applied Geophysics, 2006, 3, 75-81.	0.1	1
803	Parallel implementation of a velocity-stress staggered-grid finite-difference method for 2-D poroelastic wave propagation. Computers and Geosciences, 2006, 32, 1182-1191.	2.0	46
804	A viscoelastic model for the dynamic response of soils to periodical surface water disturbance. International Journal for Numerical and Analytical Methods in Geomechanics, 2006, 30, 1201-1212.	1.7	3
805	Evidence for rainfall-triggered earthquake activity. Geophysical Research Letters, 2006, 33, .	1.5	178
806	Dynamic Response of a Circular Tunnel Embedded in a Saturated Poroelastic Medium due to a Moving Load. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 750-756.	1.0	25
807	Shear Wave Velocity in Marine Sediment. Japanese Journal of Applied Physics, 2006, 45, 4824-4828.	0.8	7
808	Factors facilitating or limiting the use of AVO for coal-bed methane. Geophysics, 2006, 71, C49-C56.	1.4	32
809	Estimates and Rigorous Bounds on Pore-fluid Enhanced Shear Modulus in Poroelastic Media with Hard and Soft Anisotropy. International Journal of Damage Mechanics, 2006, 15, 13 <u>3-167.</u>	2.4	22

#	Article	IF	CITATIONS
810	On formulation of a transition matrix for electroporoelastic medium and application to analysis of scattered electroseismic wave. Journal of the Acoustical Society of America, 2006, 120, 3672-3693.	0.5	5
811	Frame bulk modulus of porous granular marine sediments. Journal of the Acoustical Society of America, 2006, 120, 699-710.	0.5	41
812	Relating Damping to Soil Permeability. International Journal of Geomechanics, 2006, 6, 158-165.	1.3	14
813	Sound speed and attenuation measurements in unconsolidated glass-bead sediments saturated with viscous pore fluids. Journal of the Acoustical Society of America, 2006, 120, 2538-2549.	0.5	35
814	A method of solving the stiffness problem in Biot's poroelastic equations using a staggered high-order finite-difference. Chinese Physics B, 2006, 15, 2819-2827.	1.3	5
815	Numerical Modeling of Wave-Induced Liquefaction around Pipelines. Journal of Waterway, Port, Coastal and Ocean Engineering, 2006, 132, 276-288.	0.5	75
816	Interaction of an elastic wave with a circular crack in a fluid-saturated porous medium. Applied Physics Letters, 2006, 88, 061918.	1.5	30
817	Acoustic Attenuation in Self-Affine Porous Structures. Physical Review Letters, 2006, 97, 184301.	2.9	25
818	Measurements of shock-induced guided and surface acoustic waves along boreholes in poroelastic materials. Journal of Applied Physics, 2006, 99, 094904.	1.1	9
820	SOLUTION OF PRIDE'S EQUATIONS THROUGH POTENTIALS. International Journal of Modern Physics C, 2006, 17, 877-908.	0.8	11
821	Sensitivity of modal attenuation coefficients to environmental parameters. , 2006, , .		2
822	P-wave seismic attenuation by slow-wave diffusion: Numerical experiments in partially saturated rocks. Geophysics, 2007, 72, N11-N21.	1.4	45
823	Theoretical simulation of electroacoustic borehole logging in a fluid-saturated porous formation. Journal of the Acoustical Society of America, 2007, 122, 135-145.	0.5	65
824	Dynamic permeability of porous rocks and its seismic signatures. Geophysics, 2007, 72, E149-E158.	1.4	45
825	Continuum models of discrete heterogeneous structures and saturated porous media: constitutive relations and invariance of internal interactions. Journal of Physics: Conference Series, 2007, 62, 1-22.	0.3	7
826	Elasto-viscoplastic finite element study of the effect of degradation on bearing capacity of footing on clay ground. Geomechanics and Geoengineering, 2007, 2, 235-251.	0.9	4
827	An alternative Biot's displacement formulation for porous materials. Journal of the Acoustical Society of America, 2007, 121, 3509.	0.5	63
828	Earthquake Hydrology. , 2007, , 293-320.		58

#	Article	IF	CITATIONS
829	Transition term method for the analysis of the reflected and the transmitted acoustic signals from water-saturated porous plates. Journal of the Acoustical Society of America, 2007, 122, 1518-1526.	0.5	10
830	Application of Acoustic Wave Propagation Analysis Methods for Monitoring a Miscible Mixing Zone in Porous Media. Petroleum Science and Technology, 2007, 25, 1557-1569.	0.7	1
831	Acoustic wave propagation in a macroscopically inhomogeneous porous medium saturated by a fluid. Applied Physics Letters, 2007, 90, 181901.	1.5	32
832	Comparison of the low-frequency predicitons of Biot's and de Boer's poroelasticity theories with Gassmann's equation. Applied Physics Letters, 2007, 91, .	1.5	9
833	ON A HIERARCHY OF APPROXIMATE MODELS FOR FLOWS OF INCOMPRESSIBLE FLUIDS THROUGH POROUS SOLIDS. Mathematical Models and Methods in Applied Sciences, 2007, 17, 215-252.	1.7	228
834	Metastability in interacting nonlinear stochastic differential equations: I. From weak coupling to synchronization. Nonlinearity, 2007, 20, 2551-2581.	0.6	29
835	Immiscible displacement of oil by water in consolidated porous media due to capillary imbibition under ultrasonic waves. Journal of the Acoustical Society of America, 2007, 122, 1539-1555.	0.5	12
836	An improved nearly analytical discrete method: an efficient tool to simulate the seismic response of 2-D porous structures. Journal of Geophysics and Engineering, 2007, 4, 40-52.	0.7	26
837	Hydrostatic paradox of saturated media. Geotechnique, 2007, 57, 773-777.	2.2	6
838	Acousto-electric well logging by eccentric source and extraction of shear wave. Chinese Physics B, 2007, 16, 746-752.	1.3	15
839	Seismic lowâ€frequency anomalies in multiple reflections from thinly layered poroelastic reservoirs. , 2007, , .		13
840	Finiteâ€difference modeling of electroacoustic logging response in fluidâ€saturated porous formation. , 2007, , .		1
842	Low-frequency anomalies of seismic-wave reflections from poroelastic layers. , 2007, , .		0
843	3D effects in seismic liquefaction of stochastically variable soil deposits. , 2007, , 81-91.		2
844	Study on the Biot-Stoll model for porous marine sediments. Acoustical Science and Technology, 2007, 28, 230-243.	0.3	13
845	Generalization of Gassmann equations for porous media saturated with a solid material. Geophysics, 2007, 72, A75-A79.	1.4	168
847	Finite Element Methods for the Simulation of Waves in Composite Saturated Poroviscoelastic Media. SIAM Journal on Numerical Analysis, 2007, 45, 389-420.	1.1	16
848	High-Frequency Seafloor Acoustics. , 2007, , .		298

#	Article	IF	CITATIONS
849	Predicting and monitoring long-term compaction in unconsolidated reservoir sands using a dual power law model. Geophysics, 2007, 72, E165-E173.	1.4	11
850	Acoustic wave propagation and internal fields in rigid frame macroscopically inhomogeneous porous media. Journal of Applied Physics, 2007, 102, .	1.1	15
851	Preferred frequencies for three unconsolidated earth materials. Applied Physics Letters, 2007, 91, 254103.	1.5	8
852	The role of surface tension in elastic wave scattering in an inhomogeneous poroelastic medium. Waves in Random and Complex Media, 2007, 17, 615-626.	1.6	13
853	Isovector fields and similarity solutions for one-dimensional linear poroelasticity. Applicable Analysis, 2007, 86, 1509-1528.	0.6	1
854	Surface wave propagation in a fluid saturated incompressible porous half-space lying under two layers of different liquids. Earth, Planets and Space, 2007, 59, 929-936.	0.9	5
855	Effect of soil texture on the propagation and attenuation of acoustic wave at unsaturated conditions. Journal of Hydrology, 2007, 338, 273-284.	2.3	36
856	Vertical Vibration of a Flexible Plate with Rigid Core on Saturated Ground. Journal of Engineering Mechanics - ASCE, 2007, 133, 326-337.	1.6	10
857	Ground vibrations produced by rock motions and debris flows. Journal of Geophysical Research, 2007, 112, .	3.3	101
858	Poroelastic finite difference modeling of seismic attenuation and dispersion due to mesoscopic-scale heterogeneity. Journal of Geophysical Research, 2007, 112, .	3.3	134
859	Biot's slow Pâ€wave behavior at a plane interface. , 2007, , .		0
860	Analysis of liquefaction susceptibility of nearly saturated sands. International Journal for Numerical and Analytical Methods in Geomechanics, 2007, 31, 691-714.	1.7	6
861	Three-dimensional time-harmonic Green's functions of saturated soil under buried loading. Soil Dynamics and Earthquake Engineering, 2007, 27, 448-462.	1.9	41
862	Three-dimensional numerical simulation of earthquake damage to group-piles in a liquefied ground. Soil Dynamics and Earthquake Engineering, 2007, 27, 395-413.	1.9	52
863	On the seismic response of a flexible wall retaining a viscous poroelastic soil. Soil Dynamics and Earthquake Engineering, 2007, 27, 818-842.	1.9	16
864	Dynamic response of a piecewise circular tunnel embedded in a poroelastic medium. Soil Dynamics and Earthquake Engineering, 2007, 27, 875-891.	1.9	37
865	Analysis of the numerical dispersion of waves in saturated poroelastic media. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 4644-4655.	3.4	11
866	A half-space saturated poro-elastic medium subjected to a moving point load. International Journal of Solids and Structures, 2007, 44, 573-586.	1.3	96

#	Article	IF	CITATIONS
867	Steady state responses of poroelastic half-space soil medium to a moving rectangular load. International Journal of Solids and Structures, 2007, 44, 7183-7196.	1.3	64
868	Scattering of a longitudinal wave by a circular crack in a fluid-saturated porous medium. International Journal of Solids and Structures, 2007, 44, 7389-7398.	1.3	53
869	Characterization of multi-scale porosity in cement paste by advanced ultrasonic techniques. Cement and Concrete Research, 2007, 37, 38-46.	4.6	54
870	Theory of generalized porothermoelasticity. International Journal of Rock Mechanics and Minings Sciences, 2007, 44, 222-227.	2.6	49
871	Green's function for a harmonic acoustic point source within seawater overlying a saturated poroelastic seabed. Journal of Sound and Vibration, 2007, 307, 172-186.	2.1	17
872	Homogenizing the time-harmonic acoustics of bone: The monophasic case. Mathematical and Computer Modelling, 2007, 46, 331-340.	2.0	15
873	A poroelastic model for wave propagation in partially frozen orange juice. Journal of Food Engineering, 2007, 80, 11-17.	2.7	27
874	A mixture-theory-based dynamic model for a porous medium saturated by two immiscible fluids. Journal of Applied Geophysics, 2007, 62, 89-106.	0.9	12
875	Simulation of upscaling effects due to wave-induced fluid flow in Biot media using the finite-element method. Journal of Applied Geophysics, 2007, 62, 193-203.	0.9	27
876	Acoustics of gasâ€saturated foams: Modelling comparisons. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 4070001-4070002.	0.2	0
877	Fluid-dependent shear-wave splitting in a poroelastic medium with conjugate fracture sets. Geophysical Prospecting, 2007, 55, 333-343.	1.0	12
878	Seismic attenuation in porous rocks with random patchy saturation. Geophysical Prospecting, 2007, 55, 671-678.	1.0	84
879	Determination of porosity and saturation using seismic waveform inversion. Studia Geophysica Et Geodaetica, 2007, 51, 119-140.	0.3	1
880	A linear dynamic model for a saturated porous medium. Transport in Porous Media, 2007, 68, 321-340.	1.2	7
881	Low-frequency dilatational wave propagation through unsaturated porous media containing two immiscible fluids. Transport in Porous Media, 2007, 68, 91-105.	1.2	35
882	Effective Poroelastic Properties of Transversely Isotropic Porous Medium with Aligned Spheroidal Inhomogeneities. International Journal of Fracture, 2007, 148, 85-92.	1.1	1
883	Unified analysis of liquefaction and the ground flow phenomenon. International Applied Mechanics, 2007, 43, 935-947.	0.2	0
884	On the theory of reactive mixtures for modeling biological growth. Biomechanics and Modeling in Mechanobiology, 2007, 6, 423-445.	1.4	170

#	Article	IF	CITATIONS
885	Dynamic interaction of an eccentric multipole cylindrical radiator suspended in a fluid-filled borehole within a poroelastic formation. Acta Mechanica Sinica/Lixue Xuebao, 2007, 23, 399-408.	1.5	2
886	Wave propagation in liquid-saturated porous solid with micropolar elastic skelton at boundary surface. Applied Mathematics and Mechanics (English Edition), 2007, 28, 337-349.	1.9	8
887	Vertical vibrations of elastic foundation resting on saturated half-space. Applied Mathematics and Mechanics (English Edition), 2007, 28, 1199-1207.	1.9	2
888	Non-axisymmetrical vibration of elastic circular plate on layered transversely isotropic saturated ground. Applied Mathematics and Mechanics (English Edition), 2007, 28, 1383-1396.	1.9	3
889	Energy focusing and the shapes of wave fronts in anisotropic fluid-saturated porous media. Acta Mechanica, 2007, 193, 207-225.	1.1	4
890	Singularities on wave fronts of slow waves in anisotropic fluid-saturated porous media. Archive of Applied Mechanics, 2007, 77, 407-420.	1.2	6
891	Wave propagation in a general anisotropic poroelastic medium: Biot's theories and homogenisation theory. Journal of Earth System Science, 2007, 116, 357-367.	0.6	10
892	Surface wave propagation in a fluid-saturated incompressible porous medium. Sadhana - Academy Proceedings in Engineering Sciences, 2007, 32, 155-166.	0.8	11
893	Dynamic response of a layered water-saturated half space to a moving load. Computers and Geotechnics, 2008, 35, 1-10.	2.3	80
894	Finite-difference modeling of the electroseismic logging in a fluid-saturated porous formation. Journal of Computational Physics, 2008, 227, 5633-5648.	1.9	62
895	Reflection and Transmission of Elastic Waves at the Interface Between Water and a Double Porosity Solid. Transport in Porous Media, 2008, 72, 369-392.	1.2	33
896	Derivation of a Darcy's Law for a Porous Medium Composed of Two Solid Phases Saturated by a Single- Phase Fluid: A Homogenization Approach. Transport in Porous Media, 2008, 74, 349-368.	1.2	7
897	Spectral properties of some problems in mechanics of strongly inhomogeneous media. Journal of Mathematical Sciences, 2008, 149, 1679-1700.	0.1	4
898	Nonlinear dynamic finite element simulation of Alibey earth dam. Environmental Geology, 2008, 54, 77-85.	1.2	18
899	Dynamic response of a poroelastic stratum to moving oscillating load. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 883-893.	0.2	1
900	Calculating Skempton constant of aquifer from volume strain and water level response to seismic waves at Changping seismic station. Acta Seismologica Sinica, 2008, 21, 148-155.	0.2	3
901	Reflection and transmission of bottom simulating reflectors in gas hydrate-bearing sediments: Two-phase media models. Applied Geophysics, 2008, 5, 57-66.	0.1	1
902	Physical mechanism of seismic attenuation in a two-phase medium. Applied Geophysics, 2008, 5, 9-17.	0.1	5

#	Article	IF	CITATIONS
903	Double-porosity rock model and squirt flow in the laboratory frequency band. Applied Geophysics, 2008, 5, 261-276.	0.1	27
904	Adaptive element free Galerkin method applied to analysis of earthquake induced liquefaction. Earthquake Engineering and Engineering Vibration, 2008, 7, 217-224.	1.1	10
905	Seismic isolation effect of lined circular tunnels with damping treatments. Earthquake Engineering and Engineering Vibration, 2008, 7, 305-319.	1.1	23
906	Wave propagation in thermoelastic saturated porous medium. Journal of Earth System Science, 2008, 117, 951-958.	0.6	40
907	Propagation of plane waves in poroviscoelastic anisotropic media. Applied Mathematics and Mechanics (English Edition), 2008, 29, 1141-1153.	1.9	13
908	Poroelastic model for pile–soil interaction in a half-space porous medium due to seismic waves. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 1-41.	1.7	26
909	Numerical analysis of 1-D compression wave propagation in saturated poroelastic media. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 161-187.	1.7	21
910	Vertical vibration of an elastic strip footing on saturated soil. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 493-508.	1.7	15
911	The domain reduction method for dynamic coupled consolidation problems in geotechnical engineering. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 659-680.	1.7	17
912	Analysis of soil–pile–structure interaction in a twoâ€layer ground during earthquakes considering liquefaction. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 863-895.	1.7	20
913	Mode I intersonic crack propagation in poroelastic media. Mechanics of Materials, 2008, 40, 524-548.	1.7	10
914	Experimental and numerical study on the impact of strain rate on failure characteristics of shales. Journal of Petroleum Science and Engineering, 2008, 60, 194-204.	2.1	18
915	Wave propagation across the boundary between two dissimilar poroelastic solids. Journal of Sound and Vibration, 2008, 314, 657-671.	2.1	32
916	Scattering of plane wave by circular-arc alluvial valley in a poroelastic half-space. Journal of Sound and Vibration, 2008, 318, 1024-1049.	2.1	19
917	Ice content and temperature determination from ultrasonic measurements in partially frozen foods. Journal of Food Engineering, 2008, 88, 272-279.	2.7	24
918	Flow through porous media due to high pressure gradients. Applied Mathematics and Computation, 2008, 199, 748-759.	1.4	39
919	A time-domain FEM approach based on implicit Green's functions for the dynamic analysis of porous media. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 4645-4652.	3.4	15
920	Torsional vibrations of single piles embedded in saturated medium. Computers and Geotechnics, 2008, 35, 11-21.	2.3	18

#	Article	IF	CITATIONS
921	Propagation and attenuation of Rayleigh waves in a semi-infinite unsaturated poroelastic medium. Advances in Water Resources, 2008, 31, 1399-1410.	1.7	43
922	Variational formulation of pre-stressed solid–fluid mixture theory, with an application to wave phenomena. European Journal of Mechanics, A/Solids, 2008, 27, 582-606.	2.1	82
923	A 2.5-D dynamic model for a saturated porous medium: Part I. Green's function. International Journal of Solids and Structures, 2008, 45, 378-391.	1.3	37
924	A 2.5-D dynamic model for a saturated porous medium. Part II: Boundary element method. International Journal of Solids and Structures, 2008, 45, 359-377.	1.3	29
925	Wave propagation and critical conditions for energy focusing pattern transformation in anisotropic fluid-filled porous structures. International Journal of Solids and Structures, 2008, 45, 4860-4877.	1.3	2
926	Dynamic response of an eccentrically lined circular tunnel in poroelastic soil under seismic excitation. Soil Dynamics and Earthquake Engineering, 2008, 28, 277-292.	1.9	39
927	Prediction of pile response to lateral spreading by 3-D soil–water coupled dynamic analysis: Shaking in the direction perpendicular to ground flow. Soil Dynamics and Earthquake Engineering, 2008, 28, 436-452.	1.9	38
928	Propagation of long elastic waves in porous rocks with crack-like inclusions. International Journal of Engineering Science, 2008, 46, 620-638.	2.7	4
929	Multiscale modeling of the acoustic properties of lung parenchyma. ESAIM: Proceedings and Surveys, 2008, 23, 78-97.	0.4	13
930	Problems of reconstruction of the process of directional solidification. Doklady Physics, 2008, 53, 442-446.	0.2	6
931	Propagation of harmonic plane waves in a general anisotropic porous solid. Geophysical Journal International, 2008, 172, 982-994.	1.0	11
932	Modelling quasi-static poroelastic propagation using an asymptotic approach. Geophysical Journal International, 2008, 173, 1119-1135.	1.0	6
933	Existence of transverse waves in anisotropic poroelastic media. Geophysical Journal International, 2008, 174, 971-977.	1.0	3
934	Spectral-element simulations of wave propagation in porous media. Geophysical Journal International, 2008, 175, 301-345.	1.0	112
935	The effect of inertial coupling on seismic reflection amplitudes. Geophysical Prospecting, 2008, 56, 643-654.	1.0	8
936	Effect of soil texture and excitation frequency on the propagation and attenuation of acoustic waves at saturated conditions. Journal of Hydrology, 2008, 357, 270-281.	2.3	8
937	Mesoscopic fluid flow simulation in doubleâ€porosity rocks. Geophysical Research Letters, 2008, 35, .	1.5	40
938	High Performance Computing in Science and Engineering `07. , 2008, , .		1

	Сітаті	on Report	
#	Article	IF	CITATIONS
939	Self-Consistent Methods for Composites. Solid Mechanics and Its Applications, 2008, , .	0.1	37
940	Chapter 1 Elasticity. Developments in Petroleum Science, 2008, , 1-54.	0.2	7
941	Chapter 5 Elastic wave propagation in rocks. Developments in Petroleum Science, 2008, 53, 175-218.	0.2	7
942	Reconstruction of material properties profiles in one-dimensional macroscopically inhomogeneous rigid frame porous media in the frequency domain. Journal of the Acoustical Society of America, 2008, 124, 1591-1606.	0.5	11
943	Slow waves in fractures filled with viscous fluid. Geophysics, 2008, 73, N1-N7.	1.4	98
944	Chapter 12 Reservoir geomechanics. Developments in Petroleum Science, 2008, 53, 391-433.	0.2	3
945	Acoustic response of a periodic distribution of macroscopic inclusions within a rigid frame porous plate. Waves in Random and Complex Media, 2008, 18, 409-433.	1.6	19
946	Determination of cancellous bone density using low frequency acoustic measurements. Applicable Analysis, 2008, 87, 1213-1225.	0.6	7
947	Circular Crested Lamb Waves in a Fluid Saturated Incompreesible Porous Plate. Multidiscipline Modeling in Materials and Structures, 2008, 4, 369-384.	0.6	2
948	Interaction Between the Interstitial Fluid and the Extracellular Matrix in Confined Indentation. Journal of Biomechanical Engineering, 2008, 130, 041011.	0.6	7
949	Experimental validation and applications of a modified gap stiffness model for granular marine sediments. Journal of the Acoustical Society of America, 2008, 123, 2542-2552.	0.5	12
950	Effective Soil Density for Propagation of Small Strain Shear Waves in Saturated Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1815-1819.	1.5	16
951	Effective Soil Density for Small Strain Shear Wave Propagation. , 2008, , .		0
952	Transient Boundary Integral Equation of Dynamic Unsaturated Poroelastic Media. , 2008, , .		1
954	On the Biot slow S-wave. Geophysics, 2008, 73, N19-N33.	1.4	64
955	Reflected wave spectrum analysis for estimation of earth subsurface fluid properties. , 2008, , .		0
956	Generalized hyperbolic fractional equation for transient-wave propagation in layered rigid-frame porous materials. Physical Review E, 2008, 77, 016601.	0.8	14
957	Pore Fluid Induced Damping of Saturated Soil in Resonant Column Tests. , 2008, , .		2

#	Article	IF	CITATIONS
958	Dispersion and Attenuation of Elastic Waves in a Viscous Fluidâ€Saturated Anisotropic Porous Solid. Chinese Journal of Geophysics, 2008, 51, 143-151.	0.2	4
959	Attenuation of Seismic Waves Due to Waveâ€Induced Flow and Scattering in Randomly Heterogeneous Poroelastic Continua. Advances in Geophysics, 2008, , 123-166.	1.1	9
960	The Effect of Water on Pavement Response Based on 3D FEM Simulation and Experiment Evaluation. , 2008, , .		7
961	Acoustic Thin-bed Analysis to Enhance Stoneley Permeability and Mechanical Properties Processing in Laminated Carbonate Reservoirs. , 0, , .		1
962	Seismic Wave Reflection From a Permeable Layer: Low-Frequency Asymptotic Analysis. , 2008, , .		6
963	Dynamic Response of a Porous Seabed and an Offshore Pile to Linear Water Waves. , 2008, , .		1
964	SVâ€wave and Pâ€wave high resolution seismic reflection using vertical impacting and vibrating sources. , 2008, , .		5
965	Effect of Ultrasonic Intensity and Frequency on Oil/Heavy-Oil Recovery from Different Wettability Rocks. , 2008, , .		8
966	Pore Pressure Coefficient Anisotropy Measurements for Intrinsic and Induced Anisotropy in Sandstone. , 2008, , .		0
967	Dynamic response of multiple flexible strips on a multilayered poroelastic half-plane. Journal of Mechanics of Materials and Structures, 2008, 3, 1885-1901.	0.4	19
970	2D seismoelectric log simulation using a finiteâ€difference method. , 2009, , .		1
971	Surface Wave Propagation in a Fluid-Saturated Incompressible Porous Layer Lying between an Empty Porous Elastic Layer and an Empty Elastic Porous Half-Space. Journal of Porous Media, 2009, 12, 387-402.	1.0	1
972	Flow and diffusion. , 0, , 389-413.		1
973	Effective elastic media: bounds and mixing laws. , 2009, , 169-228.		3
974	Fluid effects on wave propagation. , 0, , 266-346.		0
975	Acoustic response of a rigid-frame porous medium plate with a periodic set of inclusions. Journal of the Acoustical Society of America, 2009, 126, 685-693.	0.5	45
976	Finite-difference modeling of the monopole acoustic logs in a horizontally stratified porous formation. Journal of the Acoustical Society of America, 2009, 125, 1942-1950.	0.5	30
977	Poroelastic analysis of permeability effects in thinly layered porous media. Geophysics, 2009, 74, N49-N54.	1.4	14

#	Article	IF	CITATIONS
978	Poroelastodynamics: Linear Models, Analytical Solutions, and Numerical Methods. Applied Mechanics Reviews, 2009, 62, .	4.5	150
979	Poro-Viscoelastic Behavior of Gelatin Hydrogels Under Compression-Implications for Bioelasticity Imaging. Journal of Biomechanical Engineering, 2009, 131, 081005.	0.6	55
980	Seismic response of an earth dam: finite element coupling analysis and validation from centrifuge tests. Journal of Rock Mechanics and Geotechnical Engineering, 2009, 1, 56-70.	3.7	6
981	Design and fabrication of a planar patch-clamp substrate using a silicon-on-insulator wafer. Journal of Semiconductors, 2009, 30, 096001.	2.0	0
982	Finite-difference modeling of wave propagation and diffusion in poroelastic media. Geophysics, 2009, 74, T55-T66.	1.4	75
983	Velocity–Moisture Relationships for Sandy Soils: Experimental Results and Data Analysis. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 311-317.	2.4	8
984	Bending of fluidâ€saturated linear poroelastic beams with compressible constituents. International Journal for Numerical and Analytical Methods in Geomechanics, 2009, 33, 425-447.	1.7	10
985	Response of saturated and nearly saturated porous media: Different formulations and their applicability. International Journal for Numerical and Analytical Methods in Geomechanics, 2009, 33, 633-664.	1.7	62
986	Finite element simulations of seismic effects on retaining walls with liquefiable backfills. International Journal for Numerical and Analytical Methods in Geomechanics, 2009, 33, 791-816.	1.7	20
987	Vertical dynamic response of a rigid foundation embedded in a poroelastic soil layer. International Journal for Numerical and Analytical Methods in Geomechanics, 2009, 33, 1363-1388.	1.7	24
988	Role of inertia in falling head permeability test. International Journal for Numerical and Analytical Methods in Geomechanics, 2009, 33, 1963-1970.	1.7	6
989	Dynamic responses of a pile embedded in a layered poroelastic half-space to a harmonic axial loading. Acta Mechanica, 2009, 207, 29-49.	1.1	13
990	Existence of longitudinal waves in anisotropic poroelastic solids. Acta Mechanica, 2009, 208, 269-280.	1.1	2
991	A EVI-space-time Galerkin method for dynamics at finite deformation in porous media. Computational Mechanics, 2009, 43, 585-601.	2.2	6
992	Wave propagation in anisotropic poroelastic beam with axial–flexural coupling. Computational Mechanics, 2009, 43, 755-767.	2.2	2
993	Boundary conditions for porous solids saturated with viscous fluid. Applied Mathematics and Mechanics (English Edition), 2009, 30, 821-832.	1.9	16
994	Mechanical properties of single alginate microspheres determined by microcompression and finite element modelling. Chemical Engineering Science, 2009, 64, 821-829.	1.9	50
995	Amplitude reduction of elastic waves by a row of piles in poroelastic soil. Computers and Geotechnics, 2009, 36, 463-473.	2.3	63

#	Article	IF	CITATIONS
996	Scattering of a plane wave by a lined cylindrical cavity in a poroelastic half-plane. Computers and Geotechnics, 2009, 36, 773-786.	2.3	48
997	Vertical ground motion analysis for submerged pore-elastic media with random void ratios. Computers and Geotechnics, 2009, 36, 968-976.	2.3	2
998	Transient dynamic response of pile to vertical load in saturated soil. Mechanics Research Communications, 2009, 36, 618-624.	1.0	17
999	Analytical decoupling of poroelasticity equations for acoustic-wave propagation and attenuation in a porous medium containing two immiscible fluids. Journal of Engineering Mathematics, 2009, 64, 219-235.	0.6	19
1000	Diffraction of plane SV waves by a cavity in poroelastic half-space. Earthquake Engineering and Engineering Vibration, 2009, 8, 29-46.	1.1	37
1001	Diffraction of plane P waves by a canyon of arbitrary shape in poroelastic half-space (I): Formulation. Earthquake Science, 2009, 22, 215-222.	0.4	16
1002	Diffraction of plane P waves by a canyon of arbitrary shape in poroelastic half-space (II): Numerical results and discussion. Earthquake Science, 2009, 22, 223-230.	0.4	12
1003	Spectral modification of seismic waves propagating through solids exhibiting a resonance frequency: a 1-D coupled wave propagation-oscillation model. Geophysical Journal International, 2009, 176, 589-600.	1.0	41
1004	Temperature-dependent poroelastic and viscoelastic effects on microscale-modelling of seismic reflections in heavy oil reservoirs. Geophysical Journal International, 2009, 176, 822-832.	1.0	9
1005	Low-frequency Stoneley wave propagation at the interface of two porous half-spaces. Geophysical Journal International, 2009, 177, 603-608.	1.0	24
1006	Green's functions and radiation patterns in poroelastic solids revisited. Geophysical Journal International, 2009, 178, 327-337.	1.0	28
1007	Transient solution for poro-viscoacoustic wave propagation in double porosity media and its limitations. Geophysical Journal International, 2009, 178, 375-393.	1.0	28
1008	Modelling broad-band poroelastic propagation using an asymptotic approach. Geophysical Journal International, 2009, 179, 299-318.	1.0	10
1009	On extensional waves in a poroelastic cylinder within the framework of viscosity-extended Biot theory: the case of traction-free open-pore cylindrical surface. Geophysical Journal International, 2009, 179, 1679-1702.	1.0	6
1010	Fluidâ€induced seismicity: Pressure diffusion and hydraulic fracturing. Geophysical Prospecting, 2009, 57, 301-310.	1.0	241
1011	Pâ€wave dispersion and attenuation in fractured and porous reservoirs – poroelasticity approach. Geophysical Prospecting, 2009, 57, 225-237.	1.0	142
1012	Scattering of plane transverse waves by spherical inclusions in a poroelastic medium. Geophysical Journal International, 2009, 176, 938-950.	1.0	34
1013	Numerical simulation of thermal-hydrologic-mechanical-chemical processes in deformable, fractured porous media. International Journal of Rock Mechanics and Minings Sciences, 2009, 46, 842-854.	2.6	179

#	Article	IF	CITATIONS
1014	A constitutive model for drying of a partially saturated porous material. Mechanics of Materials, 2009, 41, 319-328.	1.7	52
1015	Dynamic response of a circular pipeline in a poroelastic medium. Mechanics Research Communications, 2009, 36, 898-905.	1.0	12
1016	Dynamic torsional response of an end bearing pile in transversely isotropic saturated soil. Journal of Sound and Vibration, 2009, 327, 440-453.	2.1	52
1017	Measurement and inverse estimation of 3D anisotropic flow resistivity for porous materials. Journal of Sound and Vibration, 2009, 327, 354-367.	2.1	9
1018	Models for predicting drying stresses and strains in a film cast on a substrate: An alternative approach. Chemical Engineering Science, 2009, 64, 1820-1831.	1.9	2
1019	A numerical upscaling procedure to estimate effective plane wave and shear moduli in heterogeneous fluid-saturated poroelastic media. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 2067-2077.	3.4	23
1020	Dynamic response of pavements on poroelastic half-space soil medium to a moving traffic load. Computers and Geotechnics, 2009, 36, 52-60.	2.3	57
1021	Analysis of pile groups in a poroelastic medium subjected to horizontal vibration. Computers and Geotechnics, 2009, 36, 406-418.	2.3	17
1022	Rocking vibration of a rigid strip footing on saturated soil. Computers and Geotechnics, 2009, 36, 928-933.	2.3	27
1023	Wave-induced response of seabed: Various formulations and their applicability. Applied Ocean Research, 2009, 31, 12-24.	1.8	119
1024	Complex variable function method for the scattering of plane waves by an arbitrary hole in a porous medium. European Journal of Mechanics, A/Solids, 2009, 28, 582-590.	2.1	17
1025	Boundary conditions at fluid-permeable interfaces in porous media: A variational approach. International Journal of Solids and Structures, 2009, 46, 3150-3164.	1.3	137
1026	Wave propagation in transversely isotropic porous piezoelectric materials. International Journal of Solids and Structures, 2009, 46, 3620-3632.	1.3	48
1027	A numerical model for the isolation of moving-load induced vibrations by pile rows embedded in layered porous media. International Journal of Solids and Structures, 2009, 46, 3771-3781.	1.3	39
1028	Poroelastic analysis of amplitude-versus-frequency variations. Geophysics, 2009, 74, N41-N48.	1.4	83
1029	Spectral properties of some problems in mechanics of strongly inhomogeneous media. Mechanics of Solids, 2009, 44, 874-906.	0.3	5
1031	Equivalent viscoelastic solids for heterogeneous fluid-saturated porous rocks. Geophysics, 2009, 74, N1-N13.	1.4	135
1032	Sound propagation in light-modulated carbon nanosponge suspensions. Physical Review B, 2009, 79, .	1.1	3

#	Article	IF	CITATIONS
1033	Reflection and refraction of acoustic waves at poroelastic ocean bed. Earth, Planets and Space, 2009, 61, 675-687.	0.9	9
1034	Ultrasonic velocity and attenuation during CO2 injection into water-saturated porous sandstone: Measurements using difference seismic tomography. Physics of the Earth and Planetary Interiors, 2009, 176, 224-234.	0.7	92
1035	Unified theory of global flow and squirt flow in cracked porous media. Geophysics, 2009, 74, WA65-WA76.	1.4	92
1036	Rayleigh waves in air saturated axisymmetrical soft porous media. Journal of Applied Physics, 2009, 106,	1.1	9
1037	A description of transversely isotropic sound absorbing porous materials by transfer matrices. Journal of the Acoustical Society of America, 2009, 125, 915-921.	0.5	24
1038	Mid- to High-Frequency Acoustic Penetration and Propagation Measurements in a Sandy Sediment. IEEE Journal of Oceanic Engineering, 2009, 34, 372-387.	2.1	31
1039	Effective properties of a poroelastic medium containing a distribution of aligned cracks. Journal of Geophysical Research, 2009, 114, .	3.3	55
1040	Low-frequency reflections from a thin layer with high attenuation caused by interlayer flow. Geophysics, 2009, 74, N15-N23.	1.4	77
1041	New Technique to Determine Biot Coefficient for Stress Sensitive Dual Porosity Reservoirs. , 2009, , .		6
1042	Theory and numerical simulation of fluid-pressure diffusion in anisotropic porous media. Geophysics, 2009, 74, N31-N39.	1.4	18
1043	Constraining Event Depths and Crustal Velocities Using Regional Depth Phases. Bulletin of the Seismological Society of America, 2009, 99, 215-225.	1.1	3
1044	Numerical Simulation of Dynamic PSSI System Considering Liquefaction. Journal of Asian Architecture and Building Engineering, 2009, 8, 191-196.	1.2	2
1045	Elasticity and Hooke's law. , 0, , 21-80.		4
1046	Wavefield Propagation Characteristics in the Fractureâ€induced Anisotropic Doubleâ€Porosity Medium. Chinese Journal of Geophysics, 2009, 52, 490-500.	0.2	2
1047	Analytical and Numerical Study of Consolidation Effect on Time Delayed Borehole Stability During Underbalanced Drilling in Shale. , 2009, , .		4
1048	Dynamic Response of Underground Pipeline to Incident Body Waves. , 2009, , .		0
1049	Causal Mechanisms. , 0, , 271-340.		0
1050	Biphasic models of soft tissues for ultrasound applications. Proceedings of Meetings on Acoustics, 2009, , .	0.3	2

#	Article	IF	CITATIONS
1051	Dominant Considerations for Effective Hydraulic Fracturing in Naturally Fractured Tight Gas Carbonates. , 2009, , .		3
1052	Enhanced Biot's Finite Element Displacement Formulation for Porous Materials and Original Resolution Methods Based on Normal Modes. Acta Acustica United With Acustica, 2009, 95, 527-538.	0.8	22
1053	Deformation Analyses of River Dike on Liquefiable Ground Affected by Different Earthquake Motions. , 2010, , .		0
1054	Deformable Porous Media. , 2010, , 239-278.		0
1055	Pore-Pressure-Coefficient Anisotropy Measurements for Intrinsic and Induced Anisotropy in Sandstone. SPE Reservoir Evaluation and Engineering, 2010, 13, 265-274.	1.1	12
1056	25. Wave Theory, Simulation, and Determination of Gas-Hydrate Content in Sediments. , 2010, , 349-372.		3
1057	18. Seismic Modeling and Wave Propagation. , 2010, , 425-441.		0
1058	11. Poroelasticity. , 2010, , 235-254.		0
1059	Finite element modeling of seismic attenuation due to fluid flow in partially saturated rocks. , 2010, , .		0
1060	Analytical Study on Mitigation of Liquefaction-Related Damage to Flume Channel Using Sheet-Pile with Drain. , 2010, , .		3
1061	Models and problems for saturated porous media. Moscow University Mechanics Bulletin, 2010, 65, 125-135.	0.0	0
1062	Relationships between water flow rate and geophysical measurements in an alluvial aquifer. Acta Geophysica, 2010, 58, 83-95.	1.0	2
1063	Elastic parameters of rocks from well logging in near surface sediments. Acta Geophysica, 2010, 58, 34-48.	1.0	8
1064	Scattered fracture of porous materials with brittle skeleton. Mechanics of Solids, 2010, 45, 445-464.	0.3	3
1065	Seismic wave attenuation and dispersion resulting from wave-induced flow in porous rocks — A review. Geophysics, 2010, 75, 75A147-75A164.	1.4	704
1066	Temperature dependence of seismic properties in geothermal rocks at reservoir conditions. Geothermics, 2010, 39, 115-123.	1.5	46
1067	Motional modes of dilatational waves in elastic porous media containing two immiscible fluids. Advances in Water Resources, 2010, 33, 304-311.	1.7	20
1068	Measurement of tortuosity in aluminum foams using airborne ultrasound. Ultrasonics, 2010, 50, 1-5.	2.1	29

		CITATION RE	PORT	
#	Article		IF	CITATIONS
1069	Ultrasound propagation in cancellous bone. Archive of Applied Mechanics, 2010, 80, 4	89-502.	1.2	28
1070	Multigenerational interstitial growth of biological tissues. Biomechanics and Modeling Mechanobiology, 2010, 9, 689-702.	in	1.4	64
1071	Poroviscoelastic Modeling of Liver Biomechanical Response in Unconfined Compressic Biomedical Engineering, 2010, 38, 1789-1800.	n. Annals of	1.3	49
1072	Lamb's integral formulas of two-phase saturated medium for soil dynamic with dra Mathematics and Mechanics (English Edition), 2010, 31, 1113-1124.	inage. Applied	1.9	2
1073	Transition from acceleration waves to strong discontinuities in fluid-saturated solids: d versus undrained behaviour. Acta Mechanica, 2010, 211, 181-193.	rained	1.1	1
1074	A model for strong attenuation and dispersion of seismic P-waves in a partially saturat reservoir. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1383-1387.	ed fractured	2.0	20
1075	Diffraction of plane P waves around an alluvial valley in poroelastic half-space. Earthqu 2010, 23, 35-43.	ake Science,	0.4	6
1076	A new numerical technique for simulating the coupled seismic and electromagnetic wa porous media. Earthquake Science, 2010, 23, 167-176.	ives in layered	0.4	42
1077	On structures in instability zones. Journal of Mathematical Sciences, 2010, 165, 127-1	57.	0.1	3
1078	Poroelasticity-I: Governing Equations of the Mechanics of Fluid-Saturated Porous Mate Transport in Porous Media, 2010, 84, 471-492.	rials.	1.2	29
1079	Effects of Pressure Oscillations on Drainage in an Elastic Porous Medium. Transport in 2010, 84, 569-585.	Porous Media,	1.2	14
1080	An Asymptotic Model of Seismic Reflection from a Permeable Layer. Transport in Porol 83, 233-256.	ıs Media, 2010,	1.2	40
1081	Seismic Reflection from an Interface Between an Elastic Solid and a Fractured Porous N Partial Saturation. Transport in Porous Media, 2010, 85, 375-396.	Aedium with	1.2	7
1082	Enhancement and Metrological Characterization of an Accurate and Low-Cost Method Seismic Wave Propagation for Soil Moisture Evaluation. IEEE Transactions on Instrume Measurement, 2010, 59, 1216-1223.	Based on ntation and	2.4	9
1083	Analytical solution for the dynamic response of a saturated poroelastic half-space to has stress loading. Journal of Hydrology, 2010, 387, 233-243.	armonic	2.3	9
1084	A viscoelastic representation of wave attenuation in porous media. Computers and Ge 36, 44-53.	osciences, 2010,	2.0	35
1085	Dynamic responses of a pile embedded in a layered poroelastic halfâ€space to harmon International Journal for Numerical and Analytical Methods in Geomechanics, 2010, 34	ic lateral loads. , 493-515.	1.7	21
1086	Rocking vibrations of a rigid embedded foundation in a poroelastic halfâ€space. Intern for Numerical and Analytical Methods in Geomechanics, 2010, 34, 1409-1430.	ational Journal	1.7	8

#	Article	IF	CITATIONS
1087	Weak, anisotropic symmetric formulations of Biot's equations for vibroâ€acoustic modelling of porous elastic materials. International Journal for Numerical Methods in Engineering, 2010, 84, 1519-1540.	1.5	28
1088	Acoustic propagation in a random saturated medium: The monophasic case. Mathematical Methods in the Applied Sciences, 2010, 33, 2206-2214.	1.2	7
1089	Finite element modeling of SHTE and PSVTM electroseismics. Journal of Applied Geophysics, 2010, 72, 79-91.	0.9	52
1090	Feasibility of acoustic imaging for in-situ characterization of subsurface soil injected with fresh mortar. Journal of Applied Geophysics, 2010, 72, 184-193.	0.9	5
1091	The relaxation effects of a saturated porous media using the generalized thermoviscoelasticity theory. International Journal of Engineering Science, 2010, 48, 795-808.	2.7	7
1092	Structure of the dependence of Darcy and Forchheimer coefficients on porosity. International Journal of Engineering Science, 2010, 48, 1610-1621.	2.7	31
1093	Nonlinear Biot waves in granular media. Physics Procedia, 2010, 3, 451-456.	1.2	2
1094	Wave-induced dynamic response and instability of seabed around caisson breakwater. Ocean Engineering, 2010, 37, 1522-1545.	1.9	95
1095	Rocking vibrations of a rigid embedded foundation in a poroelastic soil layer. Soil Dynamics and Earthquake Engineering, 2010, 30, 280-284.	1.9	9
1096	Dynamic response of an offshore pile to pseudo-Stoneley waves along the interface between a poroelastic seabed and seawater. Soil Dynamics and Earthquake Engineering, 2010, 30, 184-201.	1.9	13
1097	Decomposition of Two-Component Ultrasound Pulses in Cancellous Bone Using Modified Least Squares Prony Method – Phantom Experiment and Simulation. Ultrasound in Medicine and Biology, 2010, 36, 276-287.	0.7	32
1098	Influence of intensity and frequency of ultrasonic waves on capillary interaction and oil recovery from different rock types. Ultrasonics Sonochemistry, 2010, 17, 500-508.	3.8	57
1099	An investigation of microstructure evolution in cement paste through setting using ultrasonic and rheological measurements. Cement and Concrete Research, 2010, 40, 33-44.	4.6	80
1100	Influence of water chemical potential on the swelling of water sensitive materials. Computers and Structures, 2010, 88, 1498-1505.	2.4	10
1101	Effects of the dynamic wheel–rail interaction on the ground vibration generated by a moving train. International Journal of Solids and Structures, 2010, 47, 2246-2259.	1.3	43
1102	Instability analysis and simulation of water infiltration into an unsaturated elasto-viscoplastic material. International Journal of Solids and Structures, 2010, 47, 3519-3536.	1.3	14
1103	Lifting of a large object from a rigid porous seabed. Journal of Hydrodynamics, 2010, 22, 106-113.	1.3	2
1104	Numerical modelling of pore pressure variations due to time varying loads using a hybrid technique: the case of the Itoiz reservoir (Northern Spain). Geophysical Journal International, 2010, 180, 327-338.	1.0	13

#	Article	IF	CITATIONS
1105	Seismoelectric response of heavy oil reservoirs: theory and numerical modelling. Geophysical Journal International, 2010, 180, 781-797.	1.0	84
1106	Fluid-induced microseismicity in pre-stressed rock masses. Geophysical Journal International, 2010, 180, 813-819.	1.0	45
1107	Energy velocity and quality factor of plane harmonic inhomogeneous waves in anisotropic poro-viscoelastic media. Geophysical Journal International, 2010, 180, 1265-1273.	1.0	9
1108	Approximating the wave moduli of double porosity media at low frequencies by a single Zener or Kelvin-Voigt element. Geophysical Journal International, 2010, 181, 391-398.	1.0	32
1109	On effective characteristics of wave propagation in a porous fluid-saturated medium containing entirely fluid inclusions. Geophysical Journal International, 2010, 182, 1043-1057.	1.0	1
1110	Simulation of surface waves in porous media. Geophysical Journal International, 2010, 183, 820-832.	1.0	34
1111	Wave Velocity Dispersion and Attenuation in Media Exhibiting Internal Oscillations. , 2010, , .		7
1112	Analytical study on a liquefaction countermeasure for flume channel by sheet-pile with drain. Japanese Geotechnical Journal, 2010, 5, 569-587.	0.0	3
1113	Standing Wave-Induced Dynamic Response and Instability of Seabed Under a Caisson Breakwater. , 2010, , .		2
1114	Application of Acoustic FEA to the Automotive and Aircraft Industry. , 2010, , .		1
1114	Application of Acoustic FEA to the Automotive and Aircraft Industry. , 2010, , . Analytical Solution for Biot Flow–Induced Damping in Saturated Soil during Shear Wave Excitations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1501-1508.	1.5	1 14
1114 1115 1116	Application of Acoustic FEA to the Automotive and Aircraft Industry., 2010, , .         Analytical Solution for Biot Flow–Induced Damping in Saturated Soil during Shear Wave Excitations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1501-1508.         Solidification and Structuresation of Instability Zones. Applied Mathematics, 2010, 01, 159-178.	1.5	1 14 14
1114 1115 1116 1117	Application of Acoustic FEA to the Automotive and Aircraft Industry., 2010, , .         Analytical Solution for Biot Flow–Induced Damping in Saturated Soil during Shear Wave Excitations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1501-1508.         Solidification and Structuresation of Instability Zones. Applied Mathematics, 2010, 01, 159-178.         Drift-Alfvén vortex structures in the edge region of a fusion relevant plasma. Nuclear Fusion, 2010, 50, 042002.	1.5 0.1 1.6	1 14 14 20
11114 11115 11116 11117 11118	Application of Acoustic FEA to the Automotive and Aircraft Industry., 2010, , .         Analytical Solution for Biot Flow–Induced Damping in Saturated Soil during Shear Wave Excitations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1501-1508.         Solidification and Structuresation of Instability Zones. Applied Mathematics, 2010, 01, 159-178.         Drift-Alfvén vortex structures in the edge region of a fusion relevant plasma. Nuclear Fusion, 2010, 50, 042002.         A theoretical model of the explosive fragmentation of vesicular magma. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 731-752.	1.5 0.1 1.6 1.0	1 14 14 20 32
11114 11115 11116 11117 11118 11119	Application of Acoustic FEA to the Automotive and Aircraft Industry. , 2010, , .Analytical Solution for Biot Flow〠"Induced Damping in Saturated Soil during Shear Wave Excitations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1501-1508.Solidification and Structuresation of Instability Zones. Applied Mathematics, 2010, 01, 159-178.Drift-Alfvà ©n vortex structures in the edge region of a fusion relevant plasma. Nuclear Fusion, 2010, 50, 042002.A theoretical model of the explosive fragmentation of vesicular magma. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 731-752.Acoustic Measurement of a Small Sample Using Differential Acoustic Resonance Spectroscopy. Applied Mechanics and Materials, 0, 29-32, 2013-2017.	1.5 0.1 1.6 1.0 0.2	1 14 14 20 32
11114 11115 11116 11117 11118 11119	Application of Acoustic FEA to the Automotive and Aircraft Industry. , 2010, , .Analytical Solution for Biot Flow–Induced Damping in Saturated Soil during Shear Wave Excitations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1501-1508.Solidification and Structuresation of Instability Zones. Applied Mathematics, 2010, 01, 159-178.Drift-Alfvén vortex structures in the edge region of a fusion relevant plasma. Nuclear Fusion, 2010, 50, 042002.A theoretical model of the explosive fragmentation of vesicular magma. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 731-752.Acoustic Measurement of a Small Sample Using Differential Acoustic Resonance Spectroscopy. Applied Mechanics and Materials, 0, 29-32, 2013-2017.Ironless transducer for measuring the mechanical properties of porous materials. Review of Scientific Instruments, 2010, 81, 055101.	1.5 0.1 1.6 1.0 0.2 0.6	1 14 20 32 0
<ul> <li>1114</li> <li>1115</li> <li>1116</li> <li>1117</li> <li>1118</li> <li>1119</li> <li>1120</li> <li>1121</li> </ul>	Application of Acoustic FEA to the Automotive and Aircraft Industry., 2010, , .         Analytical Solution for Biot Flow–Induced Damping in Saturated Soil during Shear Wave Excitations.         Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 1501-1508.         Solidification and Structuresation of Instability Zones. Applied Mathematics, 2010, 01, 159-178.         Drift-Alfv©n vortex structures in the edge region of a fusion relevant plasma. Nuclear Fusion, 2010, 50, 042002.         A theoretical model of the explosive fragmentation of vesicular magma. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 731-752.         Acoustic Measurement of a Small Sample Using Differential Acoustic Resonance Spectroscopy. Applied Mechanics and Materials, 0, 29-32, 2013-2017.         Ironless transducer for measuring the mechanical properties of porous materials. Review of Scientific Instruments, 2010, 81, 055101.         Cancellous bone analysis with modified least squares Prony〙s method and chirp filter: Phantom experiments and simulation. Journal of the Acoustical Society of America, 2010, 128, 2191-2203.	1.5 0.1 1.6 1.0 0.2 0.6 0.5	1 14 20 32 0 6 29

~		_
	ION	
CITAL	IUN.	REFORT

#	Article	IF	CITATIONS
1123	BOREHOLE ACOUSTIC AND ELECTRIC STONELEY WAVES AND PERMEABILITY. Journal of Computational Acoustics, 2010, 18, 87-115.	1.0	4
1124	Dispersion and attenuation due to scattering from heterogeneities of the frame bulk modulus of a poroelastic medium. Journal of the Acoustical Society of America, 2010, 127, 3372-3384.	0.5	9
1125	Expansions of reflected-transmitted signals to estimate the slow wave strength in fluid-saturated porous layers. Journal of the Acoustical Society of America, 2010, 128, 1073.	0.5	7
1126	Total absorption peak by use of a rigid frame porous layer backed by a rigid multi-irregularities grating. Journal of the Acoustical Society of America, 2010, 127, 2865-2874.	0.5	33
1127	Determinants of plasma membrane wounding by deforming stress. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L826-L833.	1.3	33
1128	Review: Research Results in Hydroseismicity from 1987 to 2009. Bulletin of the Seismological Society of America, 2010, 100, 1841-1858.	1.1	37
1129	An Analytical Solution for Wave-Induced Soil Response and Seabed Liquefaction. , 2010, , .		1
1130	QUANTITATIVE EVALUATION OF FORMATION PERMEABILITY FROM ACOUSTIC AND ELECTRIC STONELEY WAVES. International Journal of Applied Mechanics, 2010, 02, 585-615.	1.3	4
1131	Vibro-Acoustic Modelling of Anisotropic Porous Elastic Materials: A Preliminary Study of the Influence of Anisotropy on the Predicted Performance in a Multi-Layer Arrangement. Acta Acustica United With Acustica, 2010, 96, 258-265.	0.8	10
1132	Analytical method for the ultrasonic characterization of homogeneous rigid porous materials from transmitted and reflected coefficients. Journal of the Acoustical Society of America, 2010, 127, 764-772.	0.5	37
1133	Mechanics of Liquid Mixtures. , 2010, , 67-84.		0
1134	Nonlinear Biot waves in porous media with application to unconsolidated granular media. Journal of the Acoustical Society of America, 2010, 127, 692-702.	0.5	21
1135	A simple model for squirt-flow dispersion and attenuation in fluid-saturated granular rocks. Geophysics, 2010, 75, N109-N120.	1.4	260
1136	Anisotropic dispersion and attenuation due to waveâ€induced fluid flow: Quasiâ€static finite element modeling in poroelastic solids. Journal of Geophysical Research, 2010, 115, .	3.3	50
1137	Pore pressure evolution in deforming granular material: A general formulation and the infinitely stiff approximation. Journal of Geophysical Research, 2010, 115, .	3.3	55
1138	Modeling of the hydroacoustic signal and tsunami wave generated by seafloor motion including a porous seabed. Journal of Geophysical Research, 2010, 115, .	3.3	36
1139	On the variational formulation of a transmission problem for the Biot equations. Applicable Analysis, 2010, 89, 745-755.	0.6	11
1140	Direct patterning in sub-surface of stainless steel using laser pulses. Optics Express, 2010, 18, 15990.	1.7	5

#	Article	IF	CITATIONS
1141	Theoretical modeling of fluid flow in cellular biological media: An overview. Mathematical Biosciences, 2010, 225, 83-93.	0.9	40
1142	Linear elastic constitutive relation for multiphase porous media using microstructure superposition: Dry media. Cold Regions Science and Technology, 2010, 63, 68-77.	1.6	1
1143	Three Dimensional Vibration Transmission of a Plate on a Layer of Porous Medium Due to a Moving Load. Transport in Porous Media, 2010, 84, 605-628.	1.2	2
1144	Mechanics of Generalized Continua. Advances in Mechanics and Mathematics, 2010, , .	0.2	91
1145	3D rotated and standard staggered finite-difference solutions to Biot's poroelastic wave equations: Stability condition and dispersion analysis. Geophysics, 2010, 75, T111-T119.	1.4	31
1146	Computational poroelasticity — A review. Geophysics, 2010, 75, 75A229-75A243.	1.4	150
1147	Velocity dispersion of P waves in sandstone and carbonate: Doubleâ€porosity and local fluid flow theory. , 2010, , .		0
1148	Analysis of water waves passing over a submerged permeable obstacle. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2010, 33, 845-861.	0.6	0
1149	Characterization and modelling of a dense lamella formed during self-compression of fibrillar collagen gels: implications for biomimetic scaffolds. Soft Matter, 2011, 7, 2918.	1.2	25
1150	Recovery of the parameters of cancellous bone by inversion of effective velocities, and transmission and reflection coefficients. Inverse Problems, 2011, 27, 125006.	1.0	17
1152	Effective medium modeling of fluidâ€filled fracturedâ€porous medium. , 2011, , .		1
1153	Quasi-static finite element modeling of seismic attenuation and dispersion due to wave-induced fluid flow in poroelastic media. Journal of Geophysical Research, 2011, 116, .	3.3	148
1154	Seismic attenuation due to patchy saturation. Journal of Geophysical Research, 2011, 116, .	3.3	30
1155	On the propagation of a quasiâ€static disturbance in a heterogeneous, deformable, and porous medium with pressureâ€dependent properties. Water Resources Research, 2011, 47, .	1.7	1
1156	On Propagation of Plane Waves in Generalized Porothermoelasticity. Bulletin of the Seismological Society of America, 2011, 101, 756-762.	1.1	28
1157	Explosive Sources Prove the Validity of Homogeneous Isotropic Linear Viscoelastic Models. Bulletin of the Seismological Society of America, 2011, 101, 1576-1583.	1.1	1
1158	Velocity dispersion and attenuation in granular marine sediments: Comparison of measurements with predictions using acoustic models. Journal of the Acoustical Society of America, 2011, 129, 3544-3561.	0.5	44
1159	Numerical Simulation of Acoustic Wave Propagation in Cylindrical Fluid-Saturated Poroelastic Shell Immersed in Fluids. Applied Mechanics and Materials, 0, 105-107, 127-131.	0.2	0

#	Article	IF	CITATIONS
1160	Simulations and measurements of transcranial low-frequency ultrasound therapy: skull-base heating and effective area of treatment. Physics in Medicine and Biology, 2011, 56, 4661-4683.	1.6	63
1161	Possible roles of the Zipingpu Reservoir in triggering the 2008 Wenchuan earthquake. Journal of Asian Earth Sciences, 2011, 40, 844-854.	1.0	39
1162	Elastic Waves of Anisotropic Saturated Porous Solids with Thermal Effect. Applied Mechanics and Materials, 2011, 117-119, 452-455.	0.2	0
1163	Biot-Rayleigh theory of wave propagation in double-porosity media. Journal of Geophysical Research, 2011, 116, .	3.3	149
1164	Numerical Prediction of the Exhaust Noise Transmission to the Interior of a Trimmed Vehicle by Using the Finite/Infinite Element Method. , 2011, , .		7
1165	Modeling and Simulation of Structural Deformation of Isothermal Subsurface Flow and Carbon Dioxide Injection. , 2011, , .		1
1166	Integrated Acoustic, Mineralogy, and Geomechanics Characterization of the Huron Shale, Southern West Virginia, USA. , 2011, , .		7
1167	In-Situ Viscosity from Acoustic Logging. , 2011, , .		0
1168	An Overview of Elastography-An Emerging Branch of Medical Imaging. Current Medical Imaging, 2011, 7, 255-282.	0.4	340
1169	Advanced dipole borehole acoustic processing $\hat{a} \in \mathbb{C}$ Rock physics and geomechanics applications. , 2011, , .		4
1170	Viscosity scaling of wave attenuation mechanisms in porous rocks: Theory and numerical simulations. , 2011, , .		0
1171	The Parameter Averaging Technique in Finite-Difference Modeling of Elastic Waves in Combined Structures with Solid, Fluid and Porous Subregions. Communications in Computational Physics, 2011, 10, 695-715.	0.7	15
1172	Stressâ€dependent seismic dispersion in fluidâ€saturated granular media. , 2011, , .		1
1173	The application of the nearly perfectly matched layer to numerical modeling in poroelastic media. , 2011, , .		0
1174	Numerical Prediction of Seepage and Seismic Behavior of Unsaturated Fill Slope. Soils and Foundations, 2011, 51, 1075-1090.	1.3	17
1175	Numerical Solutions of 3D Poroelastic Wave Equations with Exact Nonreflecting Boundary Conditions. , 2011, , .		0
1176	Reflection of attenuated waves at the surface of a porous solid saturated with two immiscible viscous fluids. Geophysical Journal International, 2011, 184, 371-384.	1.0	40
1177	Anisotropic poroelasticity and wave-induced fluid flow: harmonic finite-element simulations. Geophysical Journal International, 2011, 186, 1245-1254.	1.0	45

#	Article	IF	CITATIONS
1178	2.5-D poroelastic wave modelling in double porosity media. Geophysical Journal International, 2011, 186, 1285-1294.	1.0	28
1179	Analysis of dispersion and attenuation of surface waves in poroelastic media in the exploration-seismic frequency band. Geophysical Journal International, 2011, 187, 871-888.	1.0	22
1180	Anelastic acoustic impedance and the correspondence principle. Geophysical Prospecting, 2011, 59, 24-34.	1.0	22
1181	A constitutive model based on modified mixture theory for unsaturated rocks. Computers and Geotechnics, 2011, 38, 925-933.	2.3	19
1182	Poroelastic analysis of frequency-dependent amplitude-versus-offset variations. Geophysics, 2011, 76, C31-C40.	1.4	34
1183	Numerical study of dynamic processes in a continuous medium with a crack initiated by a near-surface disturbance by means of the grid-characteristic method. Mathematical Models and Computer Simulations, 2011, 3, 399-409.	0.1	2
1184	Numerical analysis of a new model for the processes of the one-dimensional case of metal crystallization. Mathematical Models and Computer Simulations, 2011, 3, 468-483.	0.1	0
1185	Surface wave propagation in fiber-reinforced anisotropic elastic layer between liquid saturated porous half space and uniform liquid layer. Acta Geophysica, 2011, 59, 470-482.	1.0	41
1186	Waves in a solid medium with liquid-filled pores. Mechanics of Solids, 2011, 46, 788-797.	0.3	0
1187	Structurization of the instability zone and crystallization. Journal of Mathematical Sciences, 2011, 179, 491-514.	0.1	4
1188	Wave propagation modeling in cylindrical human long wet bones with cavity. Meccanica, 2011, 46, 1413-1428.	1.2	30
1189	Poroelasticity-II: On the Equilibrium State of the Fluid-Filled Penetrable Poroelastic Body. Transport in Porous Media, 2011, 89, 475-486.	1.2	9
1190	Fabric dependence of wave propagation in anisotropic porous media. Biomechanics and Modeling in Mechanobiology, 2011, 10, 39-65.	1.4	47
1191	Extended finite element modeling of deformable porous media with arbitrary interfaces. Applied Mathematical Modelling, 2011, 35, 5426-5441.	2.2	38
1192	SATI algorithm — the calculation of stress aligned HTI stiffness tensor for sandstone reservoir from wireline data. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1937-1942.	2.0	0
1193	Oblique Water Waves Impacting on a Thin Porous Wall With a Partial-Slipping Boundary Condition. Journal of Hydrodynamics, 2011, 23, 361-371.	1.3	1
1194	Numerical analysis of a oneâ€dimensional infiltration problem in unsaturated soil by a seepage–deformation coupled method. International Journal for Numerical and Analytical Methods in Geomechanics, 2011, 35, 544-568.	1.7	34
1195	Dynamic responses of a poroelastic halfâ€space from moving trains caused by vertical track irregularities. International Journal for Numerical and Analytical Methods in Geomechanics, 2011, 35, 761-786.	1.7	21

# 1196	ARTICLE Modeling of dynamic cohesive fracture propagation in porous saturated media. International Journal for Numerical and Analytical Methods in Geomechanics, 2011, 35, 1160-1184.	IF 1.7	CITATIONS
1197	Stable elementâ€free Galerkin solution procedures for the coupled soil–pore fluid problem. International Journal for Numerical Methods in Engineering, 2011, 86, 1000-1026.	1.5	12
1198	Finite element approximation of coupled seismic and electromagnetic waves in fluidâ€saturated poroviscoelastic media. Numerical Methods for Partial Differential Equations, 2011, 27, 351-386.	2.0	11
1199	Ultrasonic monitoring of capillary porosity and elastic properties in hydrating cement paste. Cement and Concrete Composites, 2011, 33, 389-401.	4.6	33
1200	Numerical modeling of ground borehole expansion induced by application of pulse discharge technology. Computers and Geotechnics, 2011, 38, 532-545.	2.3	10
1201	Mechanics of layered anisotropic poroelastic media with applications to effective stress for fluid permeability. International Journal of Engineering Science, 2011, 49, 122-139.	2.7	15
1202	An analytical solution for wave-induced seabed response in a multi-layered poro-elastic seabed. Ocean Engineering, 2011, 38, 119-129.	1.9	44
1203	AVA seismic reflectivity analysis in carbon dioxide accumulations: Sensitivity to CO2 phase and saturation. Journal of Applied Geophysics, 2011, 73, 93-100.	0.9	5
1204	Wave propagation analysis of porous rocks with the thermal activated relaxation mechanism. Journal of Applied Geophysics, 2011, 73, 289-303.	0.9	10
1205	Acoustic log simulation in a viscoelastic formation. Journal of Applied Geophysics, 2011, 74, 294-301.	0.9	13
1206	Propagation of torsional surface wave in anisotropic poroelastic medium under initial stress. Wave Motion, 2011, 48, 184-195.	1.0	21
1207	Acoustic emission induced by pore-pressure changes in sandstone samples. Geophysics, 2011, 76, MA21-MA32.	1.4	43
1208	Fabric dependence of quasi-waves in anisotropic porous media. Journal of the Acoustical Society of America, 2011, 129, 3302-3316.	0.5	29
1209	Stochastic theory of dynamic permeability in poroelastic media. Physical Review E, 2011, 84, 026329.	0.8	20
1210	Fast compressional wave attenuation and dispersion due to conversion scattering into slow shear waves in randomly heterogeneous porous media. Journal of the Acoustical Society of America, 2011, 129, 2785-2796.	0.5	20
1211	Numerical simulation of wave-induced dynamic response of saturated silt seabed. , 2011, , .		0
1212	Impact of fluid saturation on the reflection coefficient of a poroelastic layer. Geophysics, 2011, 76, N1-N12.	1.4	44
1213	Mathematical Morphology and Its Applications to Image and Signal Processing. Lecture Notes in Computer Science, 2011, , .	1.0	13

#	Article	IF	Citations
1214	An New Approach for Estimating Critical Injection Pressure and Fault Stability during Fluid Injection into Rock Reservoir. Advanced Materials Research, 2011, 243-249, 3966-3974.	0.3	0
1215	Dynamic Response of an Elastic Foundation on Transversely Isotropic Saturated Soil to Harmonic Torsional Loading. Applied Mechanics and Materials, 2011, 90-93, 764-769.	0.2	0
1216	Thermal Effect on Elastic Waves of Anisotropic Saturated Porous Solid. Modelling and Simulation in Engineering, 2011, 2011, 1-5.	0.4	0
1217	Imaging using crossâ€hole seismoelectric tomography. , 2011, , .		Ο
1218	A Nonlinear Biphasic Fiber-Reinforced Porohyperviscoelastic Model of Articular Cartilage Incorporating Fiber Reorientation and Dispersion. Journal of Biomechanical Engineering, 2011, 133, 081004.	0.6	22
1219	Intrinsic attenuation from inhomogeneous waves in a dissipative anisotropic poroelastic medium. Earth, Planets and Space, 2011, 63, 89-101.	0.9	2
1220	Frequency-dependent seismic reflection coefficient for discriminating gas reservoirs. Journal of Geophysics and Engineering, 2011, 8, 508-513.	0.7	15
1221	Simulation of elastic properties in carbonates. The Leading Edge, 2011, 30, 1400-1407.	0.4	10
1222	Differential form and numerical implementation of Biot's poroelasticity equations with squirt dissipation. Geophysics, 2011, 76, N55-N64.	1.4	74
1223	Propagation of acoustic waves in a one-dimensional macroscopically inhomogeneous poroelastic material. Journal of the Acoustical Society of America, 2011, 130, 1390-1398.	0.5	23
1224	NUMERICAL MODELING OF ELECTROACOUSTIC LOGGING INCLUDING JOULE HEATING. International Journal of Modern Physics C, 2011, 22, 805-823.	0.8	2
1225	Bone Quantitative Ultrasound. , 2011, , .		149
1226	Influence of Experimental Protocols on the Mechanical Properties of the Intervertebral Disc in Unconfined Compression. Journal of Biomechanical Engineering, 2011, 133, 071006.	0.6	17
1227	Normal mode analysis in fluid saturated porous medium. Multidiscipline Modeling in Materials and Structures, 2011, 7, 29-43.	0.6	2
1228	Coupled Porohyperelastic Mass Transport (PHEXPT) Finite Element Models for Soft Tissues Using ABAQUS. Journal of Biomechanical Engineering, 2011, 133, 044502.	0.6	15
1229	Anisotropic P-SV-wave dispersion and attenuation due to inter-layer flow in thinly layered porous rocks. Geophysics, 2011, 76, WA135-WA145.	1.4	74
1230	Energy velocity and quality factor of poroelastic waves in isotropic media. Journal of the Acoustical Society of America, 2011, 129, 2797-2805.	0.5	3
1231	Influence of static compression on mechanical parameters of acoustic foams. Journal of the Acoustical Society of America, 2011, 130, 818-825.	0.5	22

#	Article	IF	CITATIONS
1232	Relationships of quantitative ultrasound parameters with cancellous bone microstructure in human calcaneus in vitro. Journal of the Acoustical Society of America, 2012, 131, 1605-1612.	0.5	65
1233	An application of the Peano series expansion to predict sound propagation in materials with continuous pore stratification. Journal of the Acoustical Society of America, 2012, 132, 208-215.	0.5	17
1234	The Influnce of Velocity for a Moving Load on the Vibration Isolation Using Pile Group. Applied Mechanics and Materials, 0, 204-208, 210-214.	0.2	1
1235	Fast Compressional Wave Scattering from Cylinder in Porous Media. Applied Mechanics and Materials, 2012, 170-173, 537-540.	0.2	0
1236	ON THE INTERFACE LAW BETWEEN A DEFORMABLE POROUS MEDIUM CONTAINING A VISCOUS FLUID AND AN ELASTIC BODY. Mathematical Models and Methods in Applied Sciences, 2012, 22, .	1.7	38
1237	Scattering of acoustic waves by macroscopically inhomogeneous poroelastic tubes. Journal of the Acoustical Society of America, 2012, 132, 477-486.	0.5	4
1238	Vibration Characteristics of Single Pile Embedded in Nearly Saturated Soils Half Space Subjected to Harmonic Vertical Loads. Applied Mechanics and Materials, 0, 226-228, 76-81.	0.2	2
1239	Research of Porous Solid - Fluid Interface Scholte Wave. Advanced Materials Research, 0, 538-541, 2175-2180.	0.3	Ο
1240	Dynamic Response of a Poroelastic Half-Space with Semi-Permeable Surface Subjected to Time-Harmonic Vertical Load. Advanced Materials Research, 0, 594-597, 2757-2762.	0.3	2
1241	Seismic wave propagation modeling in porous media for various frequencies: A case study in carbonate rock. AIP Conference Proceedings, 2012, , .	0.3	2
1242	A Discussion on the Formula Construction of the BISQ Model. Chinese Physics Letters, 2012, 29, 094301.	1.3	0
1243	Elastic waves in layered media: Two-scale homogenization approach. European Journal of Applied Mathematics, 2012, 23, 691-707.	1.4	2
1244	Contrasting behavior between dispersive seismic velocity and attenuation: Advantages in subsoil characterization. Journal of the Acoustical Society of America, 2012, 131, EL170-EL176.	0.5	12
1245	Pore fluid effects on S-wave attenuation caused by wave-induced fluid flow. Geophysics, 2012, 77, L13-L23.	1.4	55
1246	3D FINITE DIFFERENCE SIMULATIONS OF ACOUSTIC LOGS IN TILTED LAYERED POROUS FORMATIONS. Journal of Computational Acoustics, 2012, 20, 1240009.	1.0	6
1247	CO2 Injection into Oil Reservoir Associated with Structural Deformation. , 2012, , .		0
1248	Influence of Water Saturation on Dynamic Responses of a Partially Sealed Tunnel. Applied Mechanics and Materials, 0, 204-208, 1510-1513.	0.2	0
1249	Pore Pressure, Stress Distributions, and Instantaneous Liquefaction of Two-Layer Soil under Waves. Journal of Waterway, Port, Coastal and Ocean Engineering, 2012, 138, 435-450.	0.5	30

#	Article	IF	CITATIONS
1250	Combined photoacoustic and ultrasonic diagnosis of early bone loss and density variations. , 2012, , .		5
1251	Predicting subsurface CO2 movement: From laboratory to field scale. Geophysics, 2012, 77, M27-M37.	1.4	30
1252	Numerical and laboratory measurements of seismic attenuation in partially saturated rocks. , 2012, , .		0
1253	On the propagation of a disturbance in a heterogeneous, deformable, porous medium saturated with two fluid phases. Geophysics, 2012, 77, L25-L44.	1.4	3
1254	Intracranial Biomechanics of Acute Experimental Hydrocephalus in Live Rats. Neurosurgery, 2012, 71, 1032-1040.	0.6	22
1255	CENTRIFUGAL VIBRATION TEST OF RC PILE FOUNDATION. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering (SE/EE)), 2012, 68, I_642-I_651.	0.1	2
1256	Biot Effects for Sound Absorbing Double Porosity Materials. Acta Acustica United With Acustica, 2012, 98, 567-576.	0.8	31
1257	Study on SEM Numerical Simulation of Airgun Signal Propagation. Chinese Journal of Geophysics, 2012, 55, 65-75.	0.2	11
1258	Linear and nonlinear Biot waves in a noncohesive granular medium slab: Transfer function, self-action, second harmonic generation. Journal of the Acoustical Society of America, 2012, 131, 4292-4303.	0.5	18
1259	3D poroviscoelastic rotated staggered finite-difference modeling with PML absorbing boundary conditions. , 2012, , .		2
1260	Joint porosity-permeability stochastic simulation by non-parametric copulas. , 2012, , 235-260.		0
1261	Frequency-dependent reflection properties of diffusive-viscous waves. , 2012, , .		0
1262	Stabilized single-point 4-node quadrilateral element for dynamic analysis of fluid saturated porous media. Acta Geotechnica, 2012, 7, 297-311.	2.9	47
1263	The 2003 Big Bear, California, Earthquake Sequence: A Coulomb Stress Transfer-Related Aftershock Sequence that also Follows Aftershock Diffusion Processes. Bulletin of the Seismological Society of America, 2012, 102, 1908-1912.	1.1	Ο
1264	Rayleigh Waves in Dissipative Poro-Viscoelastic Media. Bulletin of the Seismological Society of America, 2012, 102, 2468-2483.	1.1	19
1265	Numerical analysis of a model of metal solidification, 2D case. Mathematical Models and Computer Simulations, 2012, 4, 440-453.	0.1	2
1266	Molecular Dynamics Simulations of Structural and Mechanical Properties of Muscovite: Pressure and Temperature Effects. Journal of Physical Chemistry C, 2012, 116, 15099-15107.	1.5	65
1267	Plane Waves and Boundary Value Problems in the Theory of Elasticity for Solids with Double Porosity. Acta Applicandae Mathematicae, 2012, 122, 461.	0.5	46

#	Article	IF	CITATIONS
1268	Propagation of normal waves in a porous rod with closed pores on the boundaries. Journal of Mathematical Sciences, 2012, 185, 619-629.	0.1	0
1269	Numerical evidence of gas hydrate detection by means of electroseismics. Journal of Applied Geophysics, 2012, 86, 98-108.	0.9	24
1270	Amplification of in-plane seismic ground motion by group cavities in layered half-space (II): with saturated poroelastic soil layers. Earthquake Science, 2012, 25, 287-298.	0.4	6
1271	Estimation of free gas saturation from seismic reflection surveys by the genetic algorithm inversion of a P-wave attenuation model. Geophysics, 2012, 77, R175-R187.	1.4	33
1272	Investigation of ground vibration due to trains moving on saturated multi-layered ground by 2.5D finite element method. Soil Dynamics and Earthquake Engineering, 2012, 40, 87-98.	1.9	81
1273	Significance of small strain damping and dilation parameters in numerical modeling of free-field lateral spreading centrifuge tests. Soil Dynamics and Earthquake Engineering, 2012, 42, 161-176.	1.9	12
1274	Validity of fully drained, fully undrained and u–p formulations for modeling a poroelastic half-space under a moving harmonic point load. Soil Dynamics and Earthquake Engineering, 2012, 42, 292-301.	1.9	23
1275	Probabilistic model of the human cortical bone with mechanical alterations in ultrasonic range. Mechanical Systems and Signal Processing, 2012, 32, 170-177.	4.4	24
1276	Modeling squirt dispersion and attenuation in fluid-saturated rocks using pressure dependency of dry ultrasonic velocities. Geophysics, 2012, 77, WA157-WA168.	1.4	26
1277	Modeling seismic stimulation: Enhanced non-aqueous fluid extraction from saturated porous media under pore-pressure pulsing at low frequencies. Journal of Applied Geophysics, 2012, 78, 77-84.	0.9	7
1278	Frequency-dependent attenuation as a potential indicator of oil saturation. Journal of Applied Geophysics, 2012, 82, 119-128.	0.9	44
1279	A fluid pressure and deformation analysis for geological sequestration of carbon dioxide. Computers and Geosciences, 2012, 46, 31-37.	2.0	19
1280	Acoustical estimation of parameters of porous road pavement. Acoustical Physics, 2012, 58, 731-739.	0.2	5
1281	Laboratory monitoring of <italic>P</italic> waves in partially saturated sand. Geophysical Journal International, 2012, , .	1.0	14
1282	Steady-state response of a saturated half-space with an overlying dry layer subjected to a moving load. Journal of Zhejiang University: Science A, 2012, 13, 33-43.	1.3	1
1283	Viscoelasticity and poroelasticity in elastomeric gels. Acta Mechanica Solida Sinica, 2012, 25, 441-458.	1.0	127
1284	Drainage subsidence associated with Arctic permafrost degradation. Journal of Geophysical Research, 2012, 117, .	3.3	8
1285	Inference of permeability distribution from injectionâ€induced discrete microseismic events with kernel density estimation and ensemble Kalman filter. Water Resources Research, 2012, 48, .	1.7	24

#	Article	IF	CITATIONS
1286	Wave fields and spectra of Rayleigh waves in poroelastic media in the exploration seismic frequency band. Advances in Water Resources, 2012, 49, 62-71.	1.7	22
1287	Velocity distribution for open channel flows with suspended vegetation. Advances in Water Resources, 2012, 49, 56-61.	1.7	62
1288	Assessing the monitorability of CO2 saturation in subsurface saline aquifers. International Journal of Greenhouse Gas Control, 2012, 7, 244-260.	2.3	14
1289	Torsional surface wave propagation in an initially stressed non-homogeneous layer over a non-homogeneous half-space. Applied Mathematics and Computation, 2012, 219, 3209-3218.	1.4	11
1290	A coupled fluid layer–rigid disk–poroelastic half-space vibration problem. Soil Dynamics and Earthquake Engineering, 2012, 43, 114-123.	1.9	5
1291	An integrated solution of the overland and subsurface flow along a sloping soil layer. Journal of Hydrology, 2012, 460-461, 136-142.	2.3	5
1292	A thermodynamically consistent framework for saturated viscoplastic rock-materials subject to damage. Mechanics Research Communications, 2012, 45, 15-21.	1.0	15
1293	Inverse estimation of the elastic and anelastic properties of the porous frame of anisotropic open-cell foams. Journal of the Acoustical Society of America, 2012, 132, 621-629.	0.5	12
1294	The Vibration of the Raft-Superstructure on the Saturated Soil under Moving Load by Using a Semi-Analysis Method. Applied Mechanics and Materials, 0, 204-208, 1003-1006.	0.2	0
1295	Velocity and attenuation dispersion relations for the effective Biot model: totalâ€field formulation. Near Surface Geophysics, 2012, 10, 197-206.	0.6	1
1296	A pseudo-spectral method for simulating poro-elastic seismic wave propagation in complex borehole environments. , 2012, , .		1
1297	Stiffness Monitoring during Vibratory Compaction of Foundation Soil for Venice Lagoon Restoration Project. , 2012, , .		1
1298	Elastodynamics response of Green's function and influence function in fluid saturated incompressible porous medium. International Journal of Engineering, Science and Technology, 2012, 3, 61-70.	0.3	0
1299	Fluid Pressurization in Cartilages and Menisci in the Normal and Repaired Human Knees. , 0, , .		1
1300	Biomechanical considerations on tooth-implant supported fixed partial dentures. Journal of Dental Biomechanics, 2012, 3, 1758736012462025.	1.2	24
1301	P-wave attenuation and dispersion in a porous medium permeated by aligned fractures—a new poroelastic approach. Journal of Geophysics and Engineering, 2012, 9, 115-126.	0.7	2
1302	Weak forms for modelling of rotationally symmetric, multilayered structures, including anisotropic poroâ€elastic media. International Journal for Numerical Methods in Engineering, 2012, 90, 1035-1052.	1.5	1
1303	Seismic modeling to monitor CO <sub>2</sub> geological storage: The Atzbach‣chwanenstadt gas field. Journal of Geophysical Research, 2012, 117,	3.3	24
ARTICLE IF CITATIONS # Automated methods for accurate determination of the critical velocity of packed bed 1304 1.3 4 chromatography. Biotechnology Progress, 2012, 28, 740-745. Non-reflecting boundary conditions for plane waves in anisotropic elasticity and poroelasticity. Acta 1.1 Mechanica, 2012, 223, 593-607. 1306 Poroelasticity-III: Conditions on the Interfaces. Transport in Porous Media, 2012, 93, 597-607. 1.2 11 Solution of a Green's function for a saturated porous medium in a half-space subjected to a torsional 1.1 force. Earthquake Engineering and Engineering Vibration, 2012, 11, 133-138. Reflection and refraction of attenuated waves at boundary of elastic solid and porous solid saturated with two immiscible viscous fluids. Applied Mathematics and Mechanics (English Edition), 1308 1.9 20 2012, 33, 797-816. Imaging with cross-hole seismoelectric tomography. Geophysical Journal International, 2012, 188, 1285-1302. 1309 1.0 An equivalent medium model for wave simulation in fractured porous rocks. Geophysical Prospecting, 1310 1.0 3 2012, 60, 940-956. Numerical electroseismic modeling: A finite element approach. Applied Mathematics and Computation, 1311 1.4 14 2012, 218, 6351-6374. Propagation of shear waves in a poroelastic layer constrained between two elastic layers. Applied 1312 2.2 28 Mathematical Modelling, 2012, 36, 3685-3695. Wave propagation in porous solid containing liquid filled bound pores and two-phase fluid in 2.1 connected pores. European Journal of Mechanics, A/Solids, 2012, 36, 53-65. Impact of pore space topology on permeability, cut-off frequencies and validity of wave propagation 1314 1.0 71 theories. Geophysical Journal International, 2012, 189, 481-492. Rayleigh waves in a partially saturated poroelastic solid. Geophysical Journal International, 2012, 189, 1.0 1203-1214. Explosive fragmentation criteria and velocities for vesicular magma. Journal of Volcanology and 1316 0.8 10 Geothermal Research, 2012, 237-238, 81-96. A quantitative ultrasound model of the bone with blood as the interstitial fluid. Mathematical and Computer Modelling, 2012, 55, 2029-2039. 14 Mixture theory-based poroelasticity as a model of interstitial tissue growth. Mechanics of Materials, 1318 32 1.7 2012, 44, 47-57. Role of structural anisotropy of biological tissues in poroelastic wave propagation. Mechanics of Materials, 2012, 44, 174-188. Poromechanics of saturated media based on the logarithmic finite strain. Mechanics of Materials, 1320 1.7 30 2012, 51, 118-136. Transfer functions for a one-dimensional fluid–poroelastic system subject to an ultrasonic pulse. Nonlinear Analysis: Real World Applications, 2012, 13, 1030-1043.

#	Article	IF	CITATIONS
1322	Time harmonic point load and dynamic contact problem of contacting fluid and poroelastic half-spaces. Soil Dynamics and Earthquake Engineering, 2012, 36, 20-31.	1.9	18
1323	Shear wave propagation in a layered poroelastic structure. Wave Motion, 2012, 49, 490-500.	1.0	13
1324	High-performance computer simulation of wave processes in geological media in seismic exploration. Computational Mathematics and Mathematical Physics, 2012, 52, 302-313.	0.2	21
1325	Numerical study of the anisotropy of wave responses from a fractured reservoir using the grid-characteristic method. Mathematical Models and Computer Simulations, 2012, 4, 336-343.	0.1	3
1326	Dynamics of unsaturated poroelastic solids at finite strain. International Journal for Numerical and Analytical Methods in Geomechanics, 2012, 36, 1535-1573.	1.7	90
1327	Dynamic response of an axially loaded rigid sphere embedded in a saturated poroelastic medium. Archive of Applied Mechanics, 2012, 82, 407-421.	1.2	2
1328	Permeability inversion from lowâ€frequency seismoelectric logs in fluidâ€saturated porous formations. Geophysical Prospecting, 2013, 61, 120-133.	1.0	37
1329	Reflection and refraction at an imperfectly bonded interface between poroelastic solid and cracked elasticÂsolid. Journal of Seismology, 2013, 17, 239-253.	0.6	13
1330	A semiâ€analytical solution of surface flow and subsurface flow on a slope land under a uniform rainfall excess. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 893-903.	1.7	5
1331	Surface water flow over a pervious pavement. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 1095-1105.	1.7	8
1332	Compressional and shear wave intrinsic attenuation and velocity in partially saturated soils. Soil Dynamics and Earthquake Engineering, 2013, 51, 1-8.	1.9	15
1333	General shell model for a rotating pretwisted blade. Journal of Sound and Vibration, 2013, 332, 5804-5820.	2.1	74
1334	Constitutive unsaturated hydro-mechanical model based on modified mixture theory with consideration of hydration swelling. International Journal of Solids and Structures, 2013, 50, 3266-3273.	1.3	13
1335	Dynamic Response of a Multilayered Poroelastic Half-Space to Harmonic Surface Tractions. Transport in Porous Media, 2013, 99, 229-249.	1.2	15
1336	Biot constitutive relation and porosity perturbation equation. Geophysics, 2013, 78, L57-L67.	1.4	27
1337	Damping and microstructure of fly ash-based geopolymers. Journal of Materials Science, 2013, 48, 3128-3137.	1.7	28
1338	Love waves in the fiber-reinforced layer over a gravitating porous half-space. Acta Geophysica, 2013, 61, 1170-1183.	1.0	38
1339	One-dimensional flow of a fluid through a porous skeleton with consideration of the Darcy and frontal pressure interaction forces. Moscow University Mechanics Bulletin, 2013, 68, 21-24.	0.0	0

ARTICLE IF CITATIONS Mixture Theories for Rock Properties. AGU Reference Shelf, 0, , 205-228. 0.6 243 1340 Analytical solution for vertical profile of streamwise velocity in open-channel flow with submerged 1341 vegétation. Environmental Fluid Mechanics, 2013, 13, 389-402. Stoneley Wave Properties in a Fracture Filled with Viscous Fluid., 2013, , . 0 1342 3D dynamic Green's functions in a multilayered poroelastic half-space. Applied Mathematical 2.2 1343 Modélling, 2013, 37, 10203-10219. The influence of mesoscopic flow on the P-wave attenuation and dispersion in a porous media 1344 0.3 2 permeated by aligned fractures. Studia Geophysica Et Geodaetica, 2013, 57, 482-506. Propagation of plane wave in non-homogeneously saturated soils. Science China Technological Sciences, 2013, 56, 430-440. 1345 Two parabolic equations for propagation in layered poro-elastic media. Journal of the Acoustical 1346 0.5 3 Society of America, 2013, 134, 246-256. Ground vibrations produced by surface and near-surface explosions. Applied Acoustics, 2013, 74, 1347 1.7 1279-1296. Embedded-bound method for estimating the change in bulk modulus under either fluid or solid 1348 1.4 34 substitution. Geophysics, 2013, 78, L87-L99. Effect of local fluid flow on reflection of plane elastic waves at the boundary of a double-porosity 1349 1.7 medium. Advances in Water Resources, 2013, 61, 62-73. Coupled thermo-hydro-mechanical model with consideration of thermal-osmosis based on modified 1350 2.7 24 mixture theory. International Journal of Engineering Science, 2013, 64, 1-13. LAMB WAVES IN A POROELASTIC PLATE. Journal of Computational Acoustics, 2013, 21, 1350001. 1.0 Effect of fracture fill on seismic attenuation and dispersion in fractured porous rocks. Geophysical 1352 1.0 51 Journal International, 2013, 195, 1679-1688. 3D Diffraction of obliquely incident SH waves by twin infinitely long cylindrical cavities in layered poroelastic half-space. Earthquake Science, 2013, 26, 395-406. 0.4 Mixed variational principles for dynamic response of thermoelastic and poroelastic continua. 1354 1.3 34 International Journal of Solids and Structures, 2013, 50, 642-650. Wave propagation in poroelastic hollow cylinder immersed in fluid with seismoelectric effect. Journal of Sound and Vibration, 2013, 332, 5014-5028. Estimation of wave responses from subvertical macrofracture systems using a grid characteristic 1356 0.1 13 method. Mathematical Models and Computer Simulations, 2013, 5, 479-491. A continuum model for deformable, second gradient porous media partially saturated with 2.3 compressible fluids. Journal of the Mechanics and Physics of Solids, 2013, 61, 2196-2211.

#	Article	IF	CITATIONS
1358	Modeling Momentum and Mass Transport in Cellular Biological Media: From the Molecular to the Tissue Scale. , 2013, , 1-40.		4
1359	Estimation of fast and slow wave properties in cancellous bone using Prony's method and curve fitting. Journal of the Acoustical Society of America, 2013, 133, 2490-2501.	0.5	13
1360	Reflection and refraction of plane acoustic waves at water-sediment interface. , 2013, , .		0
1361	Wave propagation in a dissipative poroelastic medium. IMA Journal of Applied Mathematics, 2013, 78, 59-69.	0.8	6
1362	A pseudo-spectral method for the simulation of poro-elastic seismic wave propagation in 2D polar coordinates using domain decomposition. Journal of Computational Physics, 2013, 235, 846-864.	1.9	24
1363	Dynamic Green's functions for a poroelastic half-space. Acta Mechanica, 2013, 224, 17-39.	1.1	40
1364	A rock-physical modeling method for carbonate reservoirs at seismic scale. Applied Geophysics, 2013, 10, 1-13.	0.1	13
1365	Compressional waves in fluid-saturated porous solid containing a penny-shaped crack. International Journal of Solids and Structures, 2013, 50, 4292-4304.	1.3	15
1366	Wave diffraction by a line of finite crack in a saturated two-phase medium. International Journal of Solids and Structures, 2013, 50, 1044-1054.	1.3	12
1367	Evaluating the impact of aquifer layer properties on geomechanical response during CO2 geological sequestration. Computers and Geosciences, 2013, 54, 28-37.	2.0	15
1368	Theoretical simulation of the multipole seismoelectric logging while drilling. Geophysical Journal International, 2013, 195, 1239-1250.	1.0	27
1369	Quantitative comparison between simulations of seismic wave propagation in heterogeneous poro-elastic media and equivalent visco-elastic solids for marine-type environments. Geophysical Journal International, 2013, 193, 463-474.	1.0	8
1370	A new Seismic Wave Attenuation Module to experimentally measure lowâ€frequency attenuation in extensional mode. Geophysical Prospecting, 2013, 61, 302-314.	1.0	45
1371	Wave-induced multi-layered seabed response around a buried pipeline. Ocean Engineering, 2013, 72, 195-208.	1.9	36
1372	Homogenization via formal multiscale asymptotics and volume averaging: How do the two techniques compare?. Advances in Water Resources, 2013, 62, 178-206.	1.7	123
1373	Possibility of Love wave propagation in a porous layer under the effect of linearly varying directional rigidities. Applied Mathematical Modelling, 2013, 37, 6652-6660.	2.2	21
1374	Unsaturated hydro-mechanical-chemo coupled constitutive model with consideration of osmotic flow. Computers and Geotechnics, 2013, 54, 94-103.	2.3	21
1375	Vertical vibration of a rigid disc embedded in a poroelastic half-space in contact with a fluid half-space. Wave Motion, 2013, 50, 363-373.	1.0	7

#	Article	IF	CITATIONS
1376	Numerical simulation of ambient seismic wavefield modification caused by pore-fluid effects in an oil reservoir. Geophysics, 2013, 78, T41-T52.	1.4	14
1377	Krauklis Wave Initiation in Fluid-Filled Fractures by a Passing Body Wave. , 2013, , .		5
1378	Dynamic modeling of a multilayer rotating blade via quadratic layerwise theory. Composite Structures, 2013, 99, 276-287.	3.1	20
1379	Iterative dynamic analysis of linear and nonlinear fully saturated porous media considering edge-based smoothed meshfree techniques. Computer Methods in Applied Mechanics and Engineering, 2013, 253, 73-88.	3.4	15
1380	Horizontal vibration of a rigid disk buried in a poroelastic half-space in contact with a fluid half-space. Soil Dynamics and Earthquake Engineering, 2013, 44, 38-41.	1.9	19
1381	Exact solutions to one-dimensional transient response of incompressible fluid-saturated single-layer porous media. Applied Mathematics and Mechanics (English Edition), 2013, 34, 75-84.	1.9	7
1382	Synchrotron-based X-ray tomographic microscopy for rock physics investigations. Geophysics, 2013, 78, D53-D64.	1.4	88
1383	Reply: Davies etÂal. (2012), Hydraulic fractures: How far can they go?. Marine and Petroleum Geology, 2013, 43, 519-521.	1.5	14
1384	A self-adjoint variational principle for anisotropic viscoelastic Biot's equations. International Journal of Engineering Science, 2013, 63, 71-83.	2.7	3
1385	Numerical simulation of coupled waves in borehole drilling through a BSR. Marine and Petroleum Geology, 2013, 44, 34-40.	1.5	2
1386	The Role of Microarchitecture on Absorption and Scattering of Ultrasound Waves in Trabecular Bone. , 2013, , .		1
1387	A System of Periodically Alternating Solid and Viscous Fluid Layers: an Exactly Solvable Example of a Biot Medium. , 2013, , .		0
1388	Engine block soundproofing: on meta-models of poroelastic materials for acoustic absorption and head injury criterion. International Journal of Vehicle Design, 2013, 62, 72.	0.1	0
1389	Experimental Study on Monitoring CO2 Sequestration by Conjoint Analysis of the P-Wave Velocity and Amplitude. Environmental Science & Technology, 2013, 47, 10071-10077.	4.6	15
1390	P-wave Propagation in Double-Porosity Materials Saturated with Dual-Fluid. , 2013, , .		0
1391	Development of a poroelastic dynamic mechanical analysis technique for biphasic media. , 2013, , .		2
1392	Fluid substitution with dynamic fluid modulus: Facing the challenges in heterogeneous rocks. , 2013, ,		2
1393	On the Field Variables of the Biot Theory and Modeling of Seismic Wave Propagation. , 2013, , .		0

#	Article	IF	CITATIONS
1394	Evaluation of Effective Soil Density in Resonant Column Tests. , 2013, , .		1
1395	Effect of the Fracture Fill on the Dispersion and Attenuation of Elastic Waves in a Porous Rock with Aligned Fractures. , 2013, , .		0
1396	Slow Shear Waves in Poroelasticity and the Concept of Dynamic Permeability. , 2013, , .		2
1397	Elastic wave propagation and attenuation in a generalized thermoporoelastic model. Multidiscipline Modeling in Materials and Structures, 2013, 9, 256-267.	0.6	5
1398	Vibroacoustic response sensitivity due to relative alignment of two anisotropic poro-elastic layers. Journal of the Acoustical Society of America, 2013, 133, EL426-EL430.	0.5	6
1399	On relation of development of speed of ultrasound in hardening polyurethane coldbox binders. International Journal of Cast Metals Research, 2013, 26, 279-282.	0.5	0
1400	Analysis on Induced Stress Field by Pore Pressure Change of Sandstone Reservoir. Advanced Materials Research, 2013, 853, 582-589.	0.3	0
1401	Rateâ€dependent model of structural concrete incorporating kinematics of ambient water subjected to highâ€cycle loads. Engineering Computations, 2013, 30, 825-841.	0.7	35
1402	Shear wave speed dispersion and attenuation in granular marine sediments. Journal of the Acoustical Society of America, 2013, 134, 144-155.	0.5	20
1403	Tortuosity and the Averaging of Microvelocity Fields in Poroelasticity. Journal of Applied Mechanics, Transactions ASME, 2013, 80, 0209061-209065.	1.1	7
1404	The Elasto-Plastic Waves of Solids with Dilatancy Effect. Applied Mechanics and Materials, 2013, 353-356, 108-111.	0.2	0
1405	Dynamic Interaction between the Raft-Superstructure and the Saturated Soil under Moving Load. Applied Mechanics and Materials, 0, 405-408, 445-449.	0.2	0
1406	Study of Soil Liquefaction Analysis Based on the P-Z Model. Applied Mechanics and Materials, 0, 438-439, 1185-1189.	0.2	0
1407	Finite difference modelling of dipole acoustic logs in a poroelastic formation with anisotropic permeability. Geophysical Journal International, 2013, 192, 359-374.	1.0	28
1408	Dynamic Response of Multiple Holes in Half Space Saturated Soil to the Effect of the P Waves. Advanced Materials Research, 2013, 639-640, 648-651.	0.3	0
1409	Dynamic Interaction between the Pile Groups and Layered Poroelastic Half Space to Harmonic Axial Loads. Applied Mechanics and Materials, 0, 405-408, 790-794.	0.2	0
1410	Biot's Slow Wave and Effective Hydraulic Conductivity in Random Media. , 2013, , .		2
1411	Analysis of Individual Contribution of Two Compression Waves in Vertical Vibration of Water-Saturated Soils, Applied Mechanics and Materials, 0, 477-478, 582-587	0.2	0

#	Article	IF	Citations
1412	A Multi-Scale and Level Set Algorithm for the Inverse Problem of Wave Equation. Applied Mechanics and Materials, 0, 275-277, 413-416.	0.2	0
1413	Analysis of Transient Dynamic Behaviour of Spherical Cavity in Viscoelastic Soil Medium. ISRN Mechanical Engineering, 2013, 2013, 1-10.	0.9	4
1414	On Poro-Elasticity in Finite-Element Geomechanical Simulations: Theory and Implementation. , 2013, , .		0
1415	Do seismic waves sense fracture connectivity?. Geophysical Research Letters, 2013, 40, 692-696.	1.5	91
1416	Frequency-dependent effective hydraulic conductivity of strongly heterogeneous media. Physical Review E, 2013, 88, 042119.	0.8	9
1417	Acoustic waves in unsaturated soils. Water Resources Research, 2013, 49, 5674-5684.	1.7	30
1418	Reflection and transmission of attenuated waves at the boundary between two dissimilar poroelastic solids saturated with two immiscible viscous fluids. Geophysical Prospecting, 2013, 61, 1035-1055.	1.0	27
1419	Wave-current-induced soil response in marine sediments. Theoretical and Applied Mechanics Letters, 2013, 3, 012002.	1.3	3
1420	Measurements of seismic attenuation and transient fluid pressure in partially saturated Berea sandstone: evidence of fluid flow on the mesoscopic scale. Geophysical Journal International, 2013, 195, 342-351.	1.0	103
1421	A time-domain numerical modeling of two-dimensional wave propagation in porous media with frequency-dependent dynamic permeability. Journal of the Acoustical Society of America, 2013, 134, 4610-4623.	0.5	25
1422	Vibration transmissibility and damping behaviour for auxetic and conventional foams under linear and nonlinear regimes. Smart Materials and Structures, 2013, 22, 084010.	1.8	58
1423	Theory and simulation of time-fractional fluid diffusion in porous media. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 345501.	0.7	38
1424	High-Resolution Finite Volume Modeling of Wave Propagation in Orthotropic Poroelastic Media. SIAM Journal of Scientific Computing, 2013, 35, B176-B206.	1.3	33
1425	A Semi-Analytical Solution to the Dynamic Response of Saturated Multi-Layer Porous Media under Progressive Waves. , 2013, , .		0
1426	Flow through Porous Media: Seepage. , 2013, , 345-430.		0
1427	A Comparison of Seismic Attenuation Models for Unconsolidated Surficial Sediments: Evidence from Multi-Frequency Sonic Logs. , 2013, , .		0
1428	Q factor of elastic wave propagation in poroelastic medium. , 2013, , .		0
1429	Ultrasonic Measurement of Evolving Microstructure in Hydrating Mortar. , 2013, , .		0

#	Article	IF	CITATIONS
1430	Assessment of Cancellous Bone Microarchitecture from Poroelastic Ultrasound (PEUS) Theory. , 2013, , .		0
1431	Challenges in Poroelasticity and Solid-Fluid Mixtures Development. , 2013, , .		1
1432	Wave Analysis for Two-Dimensional General Anisotropic Fluid-Saturated Porous Solid using Convolution Quadrature Time-Domain Boundary Element Method. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2013, 69, I_203-I_213.	0.1	0
1433	Computer Simulations on the Effects of Desaturation on Soil Liquefaction Resistance. , 2013, , .		4
1434	Relaxation shift in rocks containing viscoelastic pore fluids. Geophysics, 2013, 78, M19-M28.	1.4	16
1435	Microstructure-Based Numerical Modeling of the Solid-Fluid Coupling Interaction in Acoustic Foams. , 2013, , .		0
1436	Porosity perturbations and poroelastic compressibilities. Geophysics, 2013, 78, A7-A11.	1.4	13
1437	Assimilation of Microseismic Data into Coupled Flow and Geomechanical Reservoir Models with Ensemble Kalman Filter. , 2013, , .		13
1438	On the propagation of a disturbance in a smoothly varying heterogeneous porous medium saturated with three fluid phases. Geophysics, 2013, 78, L1-L26.	1.4	3
1439	The inverse correlations between methane content and elastic parameters of coal-bed methane reservoirs. Geophysics, 2013, 78, D237-D248.	1.4	16
1440	Transient Responses of Porous Media under Moving Source Excitations. , 2013, , .		0
1441	Modeling Seismic Attenuation Due to Wave-Induced Fluid Flow in the Mesoscopic Scale to Interpret Laboratory Measurements. , 2013, , .		2
1442	Effects of fracture connectivity on S-wave attenuation caused by wave-induced fluid flow. , 2013, , .		0
1443	Full-Waveform Simulation of Multipole Seismoelectric Logging While Drilling in a Fluid-Saturated Porous Formation. , 2013, , .		0
1444	Extension of split perfectly matched absorbing layer for 2D wave propagation in porous transversely isotropic media. Exploration Geophysics, 2013, 44, 25-30.	0.5	2
1445	The frequency-angle-dependent reflection of P-wave in fluid-saturated porous rock. , 2013, , .		1
1446	Acoustic Velocity and Attenuation in Porous Rocks. AGU Reference Shelf, 0, , 20-34.	0.6	54
1447	Using Microseismicity to Estimate Formation Permeability for Geological Storage of CO <sub><b>2</b></sub> . ISRN Geophysics, 2013, 2013, 1-7.	0.7	6

ARTICLE IF CITATIONS Propagation and Attenuation of Elastic Waves in a Double Porosity Medium. ISRN Geophysics, 2013, 1448 0.7 1 2013, 1-10. Fabric Dependence in Dynamic Poroelasticity., 2013,,. 1449 Effects of crack-dilatancy on Rayleigh waves in fluid-saturated porous media. International Journal of 1450 0.3 0 Engineering, Science and Technology, 2014, 6, 77-87. On the correlation between material structure and seismic attenuation anisotropy in porous media. 1451 Journal of Geophysical Research: Solid Earth, 2014, 119, 2848-2870. Characterisation of structural properties of soil using ultrasonic waves., 2014,,. 1453 0 Partially saturated soil causing significant variability in near surface seismic signals. Near Surface Geophysics, 2014, 12, 467-480. 1454 Reflection of attenuated waves at the surface of a fractured porous solid saturated with two 1455 0.6 6 immiscible viscous fluids. Latin American Journal of Solids and Structures, 2014, 11, 1206-1237. Can we use seismic waves to detect hydraulic connectivity between fractures?., 2014,,. 1456 Velocity and attenuation characteristics of P-waves in periodically fractured media as inferred from 1457 2 numerical creep and relaxation tests., 2014,,. 1458 Estimation of fluid contact in terms of attenuation., 2014, , . Seismic Reflectivity in Carbon Dioxide Accumulations: A Review., 0, , . 1459 1 TIME-SPACE DOMAIN HIGH-ORDER STAGGERED-GRID FINITE DIFFERENCE METHOD FOR POROUS MEDIA. 1.0 1460 Journal of Porous Media, 2014, 17, 785-795. Application of plasma-wave detectors for ultra-short pulse terahertz radiation., 2014,,. 1462 0 Seismoacoustic signatures of fracture connectivity. Journal of Geophysical Research: Solid Earth, 1463 1.4 2014, 119, 2252-2271. Finite Volume Modeling of Poroelastic-Fluid Wave Propagation with Mapped Grids. SIAM Journal of 1464 12 1.3 Scientific Computing, 2014, 36, B396-B426. Seismic wave simulation by velocity–stress wave equations in two-phase anisotropic media. Journal of 1465 Geophysics and Engineering, 2014, 11, 015008. Estimation of aquifer dimensions from passive seismic signals with approximate wave propagation 1466 1.0 12 models. Inverse Problems, 2014, 30, 015003. On reconstruction of dynamic permeability and tortuosity from data at distinct frequencies. Inverse 1467 Problems, 2014, 30, 095002.

#	ARTICLE Seismic modelling study of P-waye attenuation and velocity dispersion in patchy-saturated porous	IF	Citations
1468	media. Journal of Geophysics and Engineering, 2014, 11, 065010.	0.7	5
1469	A NUMERICAL STUDY ON SOIL–GROUP-PILE–BRIDGE-PIER INTERACTION UNDER THE EFFECT OF EARTHQUAK LOADING. Journal of Earthquake and Tsunami, 2014, 08, 1350037.	<sup>се</sup> о.7	8
1470	Numerical modeling and laboratory measurements of seismic attenuation in partially saturated rock. Geophysics, 2014, 79, L13-L20.	1.4	28
1471	Torsion of a Non-Homogeneous Saturated Soil. , 2014, , .		0
1472	Tilting While Lifting a Large Object from a Rigid Porous Seabed. Journal of Engineering Mechanics - ASCE, 2014, 140, 04014004.	1.6	0
1473	Transient Dynamic Analysis of Gradient-Saturated Viscoelastic Porous Media. Journal of Engineering Mechanics - ASCE, 2014, 140, .	1.6	2
1474	Wave attenuation in partially saturated porous rocks — New observations and interpretations across scales. The Leading Edge, 2014, 33, 606-614.	0.4	5
1475	Analytical Solutions of a Covering Formed by Two Porous Layers: Reflected and Transmitted Energy Reductions. Acta Acustica United With Acustica, 2014, 100, 1001-1012.	0.8	0
1476	An energy-based approach to estimate seismic attenuation due to wave-induced fluid flow. , 2014, , .		1
1477	Reflection and transmission coefficients of a single layer in poroelastic media. Journal of the Acoustical Society of America, 2014, 135, 3151-3162.	0.5	20
1478	Difficulties arising from different definitions of tortuosity for wave propagation in saturated poroelastic media models. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 694-704.	0.9	1
1479	Effective viscosity in a wave propagation model for ultrasonic particle sizing in non-dilute suspensions. Journal of the Acoustical Society of America, 2014, 136, 1583-1590.	0.5	3
1480	Electro-osmotic flow in disordered porous and fractured media. Physical Review E, 2014, 89, 033007.	0.8	9
1481	Seismic attenuation: effects of interfacial impedance on wave-induced pressure diffusion. Geophysical Journal International, 2014, 199, 1677-1681.	1.0	22
1482	Fundamental Solutions in the Theory of Thermoelasticity for Solids with Double Porosity. Journal of Thermal Stresses, 2014, 37, 727-748.	1.1	33
1483	Aboveâ€zone pressure monitoring and geomechanical analyses for a fieldâ€scale CO <sub>2</sub> injection project in Cranfield, MS. , 2014, 4, 81-98.		57
1484	A general methodology for inverse estimation of the elastic and anelastic properties of anisotropic open-cell porous materials—with application to a melamine foam. Journal of Applied Physics, 2014, 115, .	1.1	21
1486	Dynamic response to fluid extraction from a poroelastic halfâ $\in$ space. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 661-678.	1.7	3

		CITATION REPORT		
#	ARTICLE Kraublis wave initiation in fluid-filled fractures by seismic body waves. Geophysics, 2014, 79	9 T27-T35	IF	CITATIONS
1487	Kraukiis wave initiation in huid-med fractures by seismic body waves. Geophysics, 2014, 7	<i>י</i> , 127-133.	1.4	38
1488	Dynamic analysis of slab track on multi-layered transversely isotropic saturated soils subject train loads. Earthquake Engineering and Engineering Vibration, 2014, 13, 731-740.	ted to	1.1	16
1489	Frequency-dependent seismic attenuation in shales: experimental results and theoretical a Geophysical Journal International, 2014, 198, 504-515.	nalysis.	1.0	53
1491	Poro-viscoelasticity modelling based on upscaling quasistatic fluid-saturated solids. Compu Geosciences, 2014, 18, 883-895.	tational	1.2	9
1492	Symplectic stereomodelling method for solving elastic wave equations in porous media. Ge Journal International, 2014, 196, 560-579.	ophysical	1.0	18
1493	Analysis of the Attenuation Characteristics of an Elastic Wave Due to the Wave-Induced Fle Fractured Porous Media. Chinese Physics Letters, 2014, 31, 044301.	uid Flow in	1.3	3
1494	Effective governing equations for poroelastic growing media. Quarterly Journal of Mechani Applied Mathematics, 2014, 67, 69-91.	cs and	0.5	86
1495	A hybrid finite difference/control volume method for the three dimensional poroelastic wav equations in the spherical coordinate system. Journal of Computational and Applied Mathe 2014, 255, 812-824.	e matics,	1.1	4
1496	A novel semi-analytical approach for non-uniform vegetated flows. Advances in Water Resc 2014, 64, 1-8.	ources,	1.7	5
1497	Efficient modeling of seismic signature of patchy saturation for time lapse monitoring of ca sequestrated deep saline reservoirs. Applied Energy, 2014, 114, 445-455.	arbon	5.1	5
1498	Finite difference modeling of ultrasonic propagation (coda waves) in digital porous cores w un-split convolutional PML and rotated staggered grid. Journal of Applied Geophysics, 2014	/ith ł, 104, 75-89.	0.9	20
1499	Material Point Method for Coupled Hydromechanical Problems. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	1	1.5	136
1500	A frequency domain boundary element formulation for dynamic interaction problems in poroviscoelastic media. Computational Mechanics, 2014, 53, 215-237.		2.2	3
1501	Finite-difference modeling with variable grid-size and adaptive time-step in porous media. E Science, 2014, 27, 169-178.	arthquake	0.4	4
1502	Nonclassical Regularization of the Multicomponent Euler System. Journal of Mathematical 2014, 196, 322-345.	Sciences,	0.1	8
1503	Plane Waves and Uniqueness Theorems in the Coupled Linear Theory of Elasticity for Solids Double Porosity. Journal of Elasticity, 2014, 114, 55-68.	with	0.9	44
1504	General coupling of porous flows and hyperelastic formulations—From thermodynamics µ to energy balance and compatible time schemes. European Journal of Mechanics, B/Fluids, 82-96.	principles 2014, 46,	1.2	48
1505	Acoustoelastic theory for fluid-saturated porous media. Acta Mechanica Solida Sinica, 2014	4, 27, 41-53.	1.0	10

#	Article	IF	CITATIONS
1506	Pore pressure stress coupling in 3D and consequences for reservoir stress states and fault reactivation. Geothermics, 2014, 52, 195-205.	1.5	57
1507	Modeling of dynamic response of poroelastic soil layers under wave loading. Frontiers of Structural and Civil Engineering, 2014, 8, 1-18.	1.2	2
1508	Uniqueness theorems in the theory of thermoelasticity for solids with double porosity. Meccanica, 2014, 49, 2099-2108.	1.2	37
1509	A poroelastic medium saturated by a two-phase capillary fluid. Continuum Mechanics and Thermodynamics, 2014, 26, 619-638.	1.4	7
1510	Sensitivity of S-wave attenuation to the connectivity of fractures in fluid-saturated rocks. Geophysics, 2014, 79, WB15-WB24.	1.4	62
1511	Estimation of Oil Production Rates in Reservoirs Exposed to Focused Vibrational Energy. , 2014, , .		4
1512	Incorporating capillarity into models for P-wave attenuation and dispersion in partially saturated rocks. , 2014, , .		1
1513	Stability and liquefaction analysis of porous seabed subjected to cnoidal wave. Applied Ocean Research, 2014, 48, 250-265.	1.8	18
1514	A 3D staggered-grid finite difference scheme for poroelastic wave equation. Journal of Applied Geophysics, 2014, 109, 281-291.	0.9	12
1515	Seismic attenuation and velocity dispersion in fractured rocks: The role played by fracture contact areas. Geophysical Prospecting, 2014, 62, 1278-1296.	1.0	9
1516	Wave-induced dynamic response of saturated multi-layer porous media: Analytical solutions and validity regions of various formulations in non-dimensional parametric space. Soil Dynamics and Earthquake Engineering, 2014, 66, 352-367.	1.9	12
1517	Analytical solutions for flow of horizontal well in compressible, three-dimensional unconsolidated formations. Journal of Geophysics and Engineering, 2014, 11, 045002.	0.7	3
1518	The MLPG applied to porous materials with variable stiffness and permeability. Meccanica, 2014, 49, 2359-2373.	1.2	3
1519	Acoustic propagation in a random saturated medium: the biphasic case. Applicable Analysis, 2014, 93, 676-697.	0.6	6
1520	Solution of coupled poroelastic/acoustic/elastic wave propagation problems using automatic <mml:math <br="" altimg="si24.gif" display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML">overflow="scroll"&gt;<mml:mi>h</mml:mi><mml:mi>p</mml:mi>-adaptivity. Computer Methods in Applied Mechanics and Engineering, 2014, 281, 54-80.</mml:math>	3.4	29
1521	Effect of Local Fluid Flow on Rayleigh Waves in a Double Porosity Solid. Bulletin of the Seismological Society of America, 2014, 104, 2633-2643.	1.1	12
1522	Acoustic design of porous media with dimensionless numbers: redesign for new applications. Meccanica, 2014, 49, 2307-2322.	1.2	0
1523	Attenuation and Shock Waves in Linear Hereditary Viscoelastic Media; Strick–Mainardi, Jeffreys–Lomnitz–Strick and Andrade Creep Compliances. Pure and Applied Geophysics, 2014, 171, 2097-2109.	0.8	7

#	Article	IF	CITATIONS
1524	Seismic swarms, fluid flow and hydraulic conductivity in the forearc offshore North Costa Rica and Nicaragua. International Journal of Earth Sciences, 2014, 103, 1789-1799.	0.9	6
1525	Formulation of thermo-hydro-mechanical coupling behavior of unsaturated soils based on hybrid mixture theory. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 559-568.	1.5	4
1526	Frequency domain fundamental solutions for a poroelastic half-space. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 206-213.	1.5	11
1527	Transient responses of porous media under moving surface impulses. International Journal of Solids and Structures, 2014, 51, 660-672.	1.3	8
1528	The Generalized Reflection and Transmission Matrix Method for Wave Propagation in Stratified Fluid-Saturated Porous Media. Transport in Porous Media, 2014, 102, 185-206.	1.2	5
1529	Velocity field of wave-induced local fluid flow in double-porosity media. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1020-1030.	2.0	12
1530	Poroelastic finite-difference modeling for ultrasonic waves in digital porous cores. Earthquake Science, 2014, 27, 285-299.	0.4	2
1531	A microchannel flow model for soft tissue elasticity. Physics in Medicine and Biology, 2014, 59, 4443-4457.	1.6	48
1532	Modelling acoustic scattering by suspended flocculating sediments. Continental Shelf Research, 2014, 88, 81-91.	0.9	36
1533	Wave and current induced seabed response around a submarine pipeline in an anisotropic seabed. Ocean Engineering, 2014, 75, 112-127.	1.9	35
1534	Uncertainty quantification for the impact of injection rate fluctuation on the geomechanical response of geological carbon sequestration. International Journal of Greenhouse Gas Control, 2014, 20, 160-167.	2.3	9
1535	On effective characteristic of Rayleigh surface wave propagation in porous fluid-saturated media at low frequencies. Soil Dynamics and Earthquake Engineering, 2014, 57, 94-103.	1.9	8
1536	Convolution quadrature time-domain boundary element method for 2-D fluid-saturated porous media. Applied Mathematical Modelling, 2014, 38, 3724-3740.	2.2	16
1537	Numerical study of variation in Biot's coefficient with respect to microstructure of rocks. Tectonophysics, 2014, 610, 159-171.	0.9	47
1538	On the relative importance of global and squirt flow in cracked porous media. Acta Geodaetica Et Geophysica, 2014, 49, 105-123.	0.7	3
1539	Wave propagation in unsaturated porous media. Acta Mechanica, 2014, 225, 2435-2448.	1.1	26
1540	Numerical study of dynamic fracture aperture during production of pressure-sensitive reservoirs. International Journal of Rock Mechanics and Minings Sciences, 2014, 70, 229-239.	2.6	13
1541	Solution of dynamic Green× <sup>3</sup> s function for unsaturated soil under internal excitation. Soil Dynamics and Earthquake Engineering, 2014, 64, 63-84.	1.9	45

CITATION REPORT ARTICLE IF CITATIONS Vertical dynamic response of a pipe pile in saturated soil layer. Computers and Geotechnics, 2014, 61, 1542 2.3 46 57-66. Modeling attenuation and dispersion of acoustic waves due to inmiscible fluids in macroscopic 1545 porous media., 2014,,. A finite–element model for simulation of carbon dioxide sequestration. Environmental Geotechnics, 1546 1.3 8 2014, 1, 152-160. Hydrocarbon indicators on seismic data: Insights from poroviscoelastic modeling, amplitude, and 1547 frequency variation with offsets from the Drake Point gas field, Western Arctic Islands, Canada. 0.5 Interpretation, 2014, 2, SP45-SP59. Poroelastic Theory of Consolidation in Unsaturated Soils. Vadose Zone Journal, 2014, 13, 1-12. 1548 19 1.3Consolidation of a poroelastic sphere: Numerical investigations of Cryer's problem. Proceedings in 1549 0.2 Applied Mathematics and Mechanics, 2014, 14, 505-506. Theory of CBM AVO: I. Characteristics of anomaly and why it is so. Geophysics, 2014, 79, D55-D65. 1550 1.4 11 Dynamic Stress Responses to Traffic Moving Loading in the Saturated Poroelastic Ground., 2014,,. 1551 1552 Dynamic Response of a Saturated Half-Space with Impeded Boundary to a Moving Load., 2014, , . 0 Wave-Induced Response of Submarine Pipeline Embedded in Porous Seabed., 2014,,. A Novel 3D Viscoelastic Acoustic Wave Equation Based Update Method for Reservoir History 1554 0 Matching., 2014,,. Phase-field modeling of a fluid-driven fracture in a poroelastic medium. Computational Geosciences, 1.2 133 2015, 19, 1171-1195. Wave propagation across the imperfectly bonded interface between cracked elastic solid and porous 1556 solid saturated with two immiscible viscous fluids. International Journal of Solids and Structures, 1.3 8 2015, 75-76, 299-308. A porosity-based Biot model for acoustic waves in snow. Journal of Glaciology, 2015, 61, 789-798. 1.1 23 A parametric analysis of waves propagating in a porous solid saturated by a three-phase fluid. Journal 1558 0.56 of the Acoustical Society of America, 2015, 138, 3033-3042. Wellbore Stability of Deviated Wells in Depleted Reservoir., 2015, , . (De)compaction of porous viscoelastoplastic media: Model formulation. Journal of Geophysical 1560 102 1.4 Research: Solid Earth, 2015, 120, 4146-4170.

1561	Numerical Simulation of Earthquake Induced Soil Liquefaction: Validation against Centrifuge Experimental Results. , 2015, , .	11
------	--	----

#

#	Article	IF	CITATIONS
1562	Spatiotemporal pore pressure evolution due to solid-force point sources in poroelastic halfspace. , 2015, , .		0
1563	Changes in P-wave velocity with different full waveform sonic transmitter centre frequency. Exploration Geophysics, 2015, 46, 192-205.	0.5	0
1564	Aligned fractures modeled as boundary conditions within saturated porous media and induced anisotropy. A finite element approach. , 2015, , .		0
1565	Attenuation Properties of Fontainebleau Sandstone During True-Triaxial Deformation using Active and Passive Ultrasonics. Rock Mechanics and Rock Engineering, 2015, 48, 2551-2566.	2.6	43
1566	Numerical simulation of centrifuge tests to evaluate the performance of desaturation by air injection on liquefiable foundation soil of light structures. Soils and Foundations, 2015, 55, 1388-1399.	1.3	20
1567	Migration of earthquakes with a small stress drop in the Tanzawa Mountains, Japan. Earth, Planets and Space, 2015, 67, .	0.9	9
1568	STUDY ON SEISMIC RESPONSE OF ENGINEERED BARRIER SYSTEM. Journal of Japan Society of Civil Engineers Ser A1 (Structural Engineering & Earthquake Engineering (SE/EE)), 2015, 71, I_963-I_973.	0.1	0
1569	Time-domain solution of poroelastic wave equation with dynamic permeability. , 2015, , .		0
1570	An Analytical Approximation for Dynamic Soil Response of a Porous Seabed due to Combined Wave and Current Loading. Journal of Coastal Research, 2015, 315, 1120-1128.	0.1	20
1571	Torsional surface waves in an inhomogeneous layer over a gravitating anisotropic porous half-space. Journal of Physics: Conference Series, 2015, 662, 012008.	0.3	0
1572	Mixed Convolved Action Principles for Dynamics of Linear Poroelastic Continua. , 2015, , .		1
1573	Two-Dimensional Fractional Order Generalized Thermoelastic Porous Material. Latin American Journal of Solids and Structures, 2015, 12, 1415-1431.	0.6	22
1574	Poroelastic responses of confined aquifers to subsurface strain and their use for volcano monitoring. Solid Earth, 2015, 6, 1207-1229.	1.2	14
1575	Reflection/refraction at the interface of an elastic solid and a partially saturated porous solid containing liquid filled bound pores and a connected pore space saturated by two-phase fluid. Latin American Journal of Solids and Structures, 2015, 12, 1870-1900.	0.6	5
1576	Modeling and Simulation of the Interstitial Medium Deformation Induced by the Needle Manipulation During Acupuncture. Communications in Computational Physics, 2015, 18, 850-867.	0.7	7
1580	In-Plane Vibration Response of the Periodic Viaduct on Saturated Soil under Rayleigh Surface Wave. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	1
1581	Comparison of <i>P</i> â€wave attenuation models of waveâ€induced flow. Geophysical Prospecting, 2015, 63, 378-390.	1.0	24
1582	A homogenization approach for characterization of the fluid–solid coupling parameters in Biot× <sup>3</sup> s equations for acoustic poroelastic materials. Journal of Sound and Vibration, 2015, 351, 251-267.	2.1	15

ARTICLE IF CITATIONS Experimental evaluations of the microchannel flow model. Physics in Medicine and Biology, 2015, 60, 1583 29 1.6 4227-4242. Physics of Porous Media: Fluid Flow Through Porous Media., 2015, , 19-41. 1584 Earthquake Hydrology., 2015, , 305-328. 1585 53 One-dimensional flow of a fluid through a plane porous layer under finite strains. Moscow 1586 0.0 University Mechanics Bulletin, 2015, 70, 38-41. Seismic reflection dispersion due to wave-induced fluid flow in heterogeneous reservoir rocks. 1587 1.4 57 Geophysics, 2015, 80, D221-D235. Propagation of Love Wave in Sandy Layer Under Initial Stress Above Anisotropic Porous Half-Space Under Gravity. Transport in Porous Media, 2015, 109, 297-316. 1588 1.2 Measurements of elastic and electrical properties of an unconventional organic shale under 1589 1.4 28 differential loading. Geophysics, 2015, 80, D363-D383. Scattering of monochromatic longitudinal waves on a planar crack of arbitrary shape in a 1590 1.6 fluid-saturated poroelastic medium. Waves in Random and Complex Media, 2015, 25, 170-196. Inversion of reservoir porosity, saturation, and permeability based on a robust hybrid genetic 1591 1.4 13 algorithm. Geophysics, 2015, 80, R265-R280. Propagation and attenuation of P-waves in patchy saturated porous media. Applied Geophysics, 2015, 12, 1592 0.1 401-408. Energy dissipation of P- and S-waves in fluid-saturated rocks: An overview focusing on hydraulically 1593 1.1 8 connected fractures. Journal of Earth Science (Wuhan, China), 2015, 26, 785-790. Homogenization of a Model for the Propagation of Sound in the Lungs. Multiscale Modeling and 0.6 Simulation, 2015, 13, 43-71. P-wave velocity prediction in porous medium with liquid-pocket patchy saturation. Applied 1595 1.9 3 Mathematics and Mechanics (English Edition), 2015, 36, 1427-1440. Seismoelectric couplings in a poroelastic material containing two immiscible fluid phases. 1596 1.0 Geophysical Journal International, 2015, 202, 850-870. 1597 Penny-Shaped Crack in a Poroelastic Plate. Journal of Computational Acoustics, 2015, 23, 1550012. 1.0 0 Relaxation of strains in fibrillar porous carbon dioxide saturated media near their critical point. 1598 Russian Journal of Physical Chemistry B, 2015, 9, 1095-1102. Poroelastic model-based time-lapse modeling of the Quest carbon storage project in Alberta., 2015, , . 1599 0 Estimation of aquifer dimensions from passive seismic signals in the presence of material and source uncertainties. Geophysical Journal International, 2015, 200, 1662-1675.

#	Article	IF	CITATIONS
1601	Effects of fluid-shear resistance and squirt flow on velocity dispersion in rocks. Geophysics, 2015, 80, D99-D110.	1.4	18
1602	Acoustics of Partially Saturated Rocks: Theory and Experiments. , 2015, , 45-75.		1
1603	A stabilized single-point finite element formulation for three-dimensional dynamic analysis of saturated soils. Computers and Geotechnics, 2015, 66, 126-141.	2.3	31
1604	Effect of local fluid flow on the propagation of elastic waves in a transversely isotropic double-porosity medium. Geophysical Journal International, 2015, 200, 1423-1435.	1.0	10
1605	Uncertainty quantification for the reliability of the analytical analysis for the simplified model of CO <sub>2</sub> geological sequestration. , 2015, 5, 141-151.		1
1606	Torsional wave in an initially stressed layer lying between two inhomogeneous media. Meccanica, 2015, 50, 1775-1789.	1.2	16
1607	Numerical simulation of liquefaction in porous media using nonlinear fluid flow law. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 229-250.	1.7	6
1609	Wave Propagation and Attenuation in Heterogeneous Reservoir Rocks. , 2015, , 9-43.		0
1610	Frequencyâ€dependent anisotropy of porous rocks with aligned fractures. Geophysical Prospecting, 2015, 63, 141-150.	1.0	52
1611	Seismic attenuation due to heterogeneities of rock fabric and fluid distribution. Geophysical Journal International, 2015, 202, 1843-1847.	1.0	34
1612	Enhanced heavy oil recovery for carbonate reservoirs integrating cross-well seismic – A synthetic Wafra case study. Journal of Petroleum Science and Engineering, 2015, 134, 1-13.	2.1	3
1613	Recovery-based error estimation in the dynamic analysis of offshore wind turbine monopile foundations. Computers and Geotechnics, 2015, 70, 24-40.	2.3	2
1614	Modelling the initiation of dust eruptions. Journal of Volcanology and Geothermal Research, 2015, 299, 54-67.	0.8	2
1616	Evaluation of a structural mechanics model to predict the effect of inserts in the bed support of chromatographic columns. Chemical Engineering Science, 2015, 129, 25-33.	1.9	8
1617	Physical and Mathematical Foundation. , 2015, , 39-63.		0
1618	Ion-Mediated Gelation of Aqueous Suspensions of Cellulose Nanocrystals. Biomacromolecules, 2015, 16, 2455-2462.	2.6	173
1619	Practical Investigation into Two Types of Analyses in Predicting Ground Displacements Due to Dewatering and Excavation. Journal of Aerospace Engineering, 2015, 28, .	0.8	14
1620	History Matching for Steam Drive Heavy Oil Reservoirs Using Ensemble Based Techniques - A synthetic Wafra Oil Field Case Study. , 2015, , .		0

#	Article	IF	CITATIONS
1621	Multiscale Coupled-Hygromechanistic Approach to the Life-Cycle Performance Assessment of Structural Concrete. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	30
1622	Changes of Elastic Constants and Anisotropy Patterns in Trabecular Bone During Disuse-Induced Bone Loss Assessed by Poroelastic Ultrasound. Journal of Biomechanical Engineering, 2015, 137, .	0.6	4
1623	Two-dimensional lift-up problem for a rigid porous bed. Physics of Fluids, 2015, 27, .	1.6	5
1624	A numerical model for nonlinear large deformation dynamic analysis of unsaturated porous media including hydraulic hysteresis. Computers and Geotechnics, 2015, 69, 411-423.	2.3	38
1626	Effect of viscous cross coupling between two immiscible fluids on elastic wave propagation and attenuation in unsaturated porous media. Advances in Water Resources, 2015, 83, 207-222.	1.7	7
1627	Dynamic Green× <sup>3</sup> s function for a three-dimensional concentrated load in the interior of a poroelastic layered half-space using a modified stiffness matrix method. Engineering Analysis With Boundary Elements, 2015, 60, 51-66.	2.0	18
1628	Mathematical model of the effect of ischemia–reperfusion on brain capillary collapse and tissue swelling. Mathematical Biosciences, 2015, 263, 111-120.	0.9	30
1629	Cnoidal wave induced seabed response around a buried pipeline. Ocean Engineering, 2015, 101, 118-130.	1.9	13
1630	Determination of effective stress parameters for effective CO2 permeability in deep saline aquifers: An experimental study. Journal of Natural Gas Science and Engineering, 2015, 24, 64-79.	2.1	30
1631	The IBIEM Solution to the Scattering of Plane SV Waves around a Canyon in Saturated Poroelastic Half-Space. Journal of Earthquake Engineering, 2015, 19, 956-977.	1.4	20
1632	A mixture model of poroelastic materials. European Journal of Mechanics, A/Solids, 2015, 53, 121-130.	2.1	2
1633	Effect of water content and soil texture on consolidation in unsaturated soils. Advances in Water Resources, 2015, 82, 51-69.	1.7	20
1634	Body Force and Fluid Source Equivalents for Dynamic Dislocations in Fluid-Saturated Porous Media. Transport in Porous Media, 2015, 107, 1-12.	1.2	6
1635	Body Waves in Composite Solid Matrix Containing Two Immiscible Fluids. Transport in Porous Media, 2015, 108, 531-554.	1.2	5
1637	An analytical study of seismoelectric signals produced by 1-D mesoscopic heterogeneities. Geophysical Journal International, 2015, 201, 329-342.	1.0	13
1638	Including poroelastic effects in the linear slip theory. Geophysics, 2015, 80, A51-A56.	1.4	19
1639	Propagation of pore pressure diffusion waves in saturated porous media. Journal of Applied Physics, 2015, 117, .	1.1	31
1640	Modeling attenuation and dispersion in porous heterogeneous rocks with dynamic fluid modulus. Geophysics, 2015, 80, D183-D194.	1.4	21

#	Article	IF	CITATIONS
1641	Simulation of the onset of flow through a PTMSP-based polymer membrane during nanofiltration of water-methanol mixture. Petroleum Chemistry, 2015, 55, 347-362.	0.4	6
1642	Stresses induced in saturated asphalt pavements by moving wheel pressure. IES Journal Part A: Civil and Structural Engineering, 0, , 1-8.	0.4	1
1643	Estimating Geoacoustic Properties of Surficial Sediments in the North Mien-Hua Canyon Region With a Chirp Sonar Profiler. IEEE Journal of Oceanic Engineering, 2015, 40, 222-236.	2.1	22
1644	A parallel computing tool for large-scale simulation of massive fluid injection in thermo-poro-mechanical systems. Philosophical Magazine, 2015, 95, 3078-3102.	0.7	11
1645	Semianalytical Solution for a Flow over Multilayered Soils. Journal of Engineering Mechanics - ASCE, 2015, 141, 06015001.	1.6	0
1646	Induced seismicity in geothermal reservoirs: A review of forecasting approaches. Renewable and Sustainable Energy Reviews, 2015, 52, 1473-1490.	8.2	131
1647	Soil density, elasticity, and the soil-water characteristic curve inverted from field-based seismic P- and S-wave velocity in shallow nearly saturated layered soils. Geophysics, 2015, 80, WB11-WB19.	1.4	8
1648	Deformation Mechanics of a Non-Linear Hyper-Viscoelastic Porous Material, Part II: Porous Material Micro-Scale Model. Journal of Dynamic Behavior of Materials, 2015, 1, 249-258.	1.1	6
1649	An efficient staggered time-marching procedure for porodynamics. Computer Methods in Applied Mechanics and Engineering, 2015, 297, 1-17.	3.4	4
1650	Constitutive relations for wave propagation in a double porosity solids. Mechanics of Materials, 2015, 91, 263-276.	1.7	15
1651	Theoretical study on the amplitude ratio of the seismoelectric field to the Stoneley wave and the formation tortuosity estimation from seismoelectric logs. Geophysical Journal International, 2015, 203, 2277-2286.	1.0	9
1652	Does wettability influence seismic wave propagation in liquid-saturated porous rocks?. Geophysical Journal International, 2015, 203, 2182-2188.	1.0	18
1653	Impact of synovial fluid flow on temperature regulation in knee cartilage. Journal of Biomechanics, 2015, 48, 370-374.	0.9	26
1655	Biot Theory for Porous Media. , 2015, , 299-420.		2
1656	Seismic attenuation in fractured media. Journal of Geophysics and Engineering, 2015, 12, 26-32.	0.7	8
1657	Dynamic responses of a saturated poroelastic half-space generated by a moving truck on the uneven pavement. Soil Dynamics and Earthquake Engineering, 2015, 69, 172-181.	1.9	32
1658	Bending of a porous piezoelectric cylinder under a thermal load. Engineering Analysis With Boundary Elements, 2015, 51, 136-145.	2.0	6
1659	Modelling Techniques for Vibro-Acoustic Dynamics of Poroelastic Materials. Archives of Computational Methods in Engineering, 2015, 22, 183-236.	6.0	18

#	Article	IF	CITATIONS
1660	Finite element simulation of an intraplate earthquake setting—Implications for the Virginia earthquake of 23 August 2011. , 2015, , .		2
1661	Propagation and attenuation of Rayleigh waves in a partially-saturated porous solid with impervious boundary. European Journal of Mechanics, A/Solids, 2015, 49, 158-168.	2.1	13
1662	Simplification of the Delany–Bazley approach for modelling the acoustic properties of a poroelastic foam. Applied Acoustics, 2015, 88, 146-152.	1.7	19
1663	Propagation of torsional wave in a composite layer overlying an anisotropic heterogeneous half-space with initial stress. JVC/Journal of Vibration and Control, 2015, 21, 1987-1998.	1.5	19
1664	Numerical homogenization of mesoscopic loss in poroelastic media. European Journal of Mechanics, A/Solids, 2015, 49, 382-395.	2.1	47
1665	Semianalytical Solution to the Wave-Induced Dynamic Response of Saturated Layered Porous Media. Journal of Waterway, Port, Coastal and Ocean Engineering, 2015, 141, .	0.5	9
1666	Studies and modelling the effect of porosity on the microstructure and properties of cancellous bone by the ultrasound method. International Journal of Microstructure and Materials Properties, 2016, 11, 435.	0.1	0
1667	Propagation of pore pressure diffusion waves in saturated dual-porosity media (II). Journal of Applied Physics, 2016, 119, 154901.	1.1	7
1668	Reflection and Refraction of Waves at the Boundary of a Non-Viscous Porous Solid Saturated with Single Fluid and a Porous Solid Saturated with Two Immiscible Fluids. Latin American Journal of Solids and Structures, 2016, 13, 1299-1324.	0.6	12
1669	Rock physics research with application to CO <sub>2</sub> geological storage II: Relationship between CO <sub>2</sub> saturation and P-wave velocity in a porous sandstone BUTSURI-TANSA(Geophysical Exploration), 2016, 69, 195-214.	0.0	1
1670	Explicit Solutions of the Boundary Value Problems for an Ellipse with Double Porosity. Advances in Mathematical Physics, 2016, 2016, 1-11.	0.4	5
1671	Comparison of mean shear wave velocity of the top 30 m using downhole, MASW and bender elements methods. Obras Y Proyectos, 2016, , 6-15.	0.2	1
1672	Time-harmonic Analytic Solution for an Acoustic Plane Wave Scattering off an Isotropic Poroelastic Cylinder: Convergence and Form Function. Journal of Computational Acoustics, 2016, 24, 1550017.	1.0	0
1673	Three-dimensional investigation of multiple stage hydraulic fracturing in unconventional reservoirs. Journal of Petroleum Science and Engineering, 2016, 146, 1063-1078.	2.1	47
1674	Propagation of Rayleigh waves in fluidâ€saturated nonâ€homogeneous soils with the graded solid skeleton distribution. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 1513-1530.	1.7	15
1675	A rational series approach for solving poroelastic wave equation with dynamic permeability. , 2016, , .		0
1676	Mixed Convolved Action Variational Methods for Poroelasticity. Journal of Applied Mechanics, Transactions ASME, 2016, 83, .	1.1	2
1677	Fluid pressure diffusion effects on the seismic reflectivity of a single fracture. Journal of the Acoustical Society of America, 2016, 140, 2554-2570.	0.5	21

#	Article	IF	CITATIONS
1678	Rock Physics Complete Session. , 2016, , .		0
1679	Acoustic analysis of anisotropic poroelastic multilayered systems. Journal of Applied Physics, 2016, 119, 084907.	1.1	11
1680	Seismic Modeling Complete Session. , 2016, , .		0
1681	Spatial Laplace transform for complex wavenumber recovery and its application to the analysis of attenuation in acoustic systems. Journal of Applied Physics, 2016, 120, .	1.1	23
1682	Propagation of wave in a viscous fluid-saturated porous solid and study of reflection and transmission from a boundary. , 2016, , .		0
1683	Analytical analysis of slow and fast pressure waves in a two-dimensional cellular solid with fluid-filled cells. Journal of the Acoustical Society of America, 2016, 139, 3332-3340.	0.5	3
1684	Lifting a large object from an anisotropic porous bed. Physics of Fluids, 2016, 28, 093601.	1.6	6
1685	Laboratory evidence for Krauklis-wave resonance in fractures and implications for seismic coda wave analysis. Geophysics, 2016, 81, T285-T293.	1.4	9
1686	Numerical Simulation in Applied Geophysics. Lecture Notes in Geosystems Mathematics and Computing, 2016, , .	0.4	7
1687	Analytical solution and flow behaviour of horizontal well in stress-sensitive naturally fractured reservoirs. International Journal of Oil, Gas and Coal Technology, 2016, 11, 350.	0.1	6
1688	Optimal implicit 2-D finite differences to model wave propagation in poroelastic media. Geophysical Journal International, 2016, 206, 1111-1125.	1.0	30
1689	Wave-Induced Flow of Pore Fluid in a Double-Porosity Solid Under Liquid Layer. Transport in Porous Media, 2016, 113, 531-547.	1.2	12
1690	Estimating frame bulk and shear moduli of two double porosity layers by ultrasound transmission. Ultrasonics, 2016, 70, 211-220.	2.1	11
1691	Dynamic stress-intensity factors of an in-plane shear crack in saturated porous medium. Theoretical and Applied Fracture Mechanics, 2016, 85, 345-354.	2.1	10
1692	Time-harmonic response of saturated porous transversely isotropic half-space under surface tractions. Journal of Hydrology, 2016, 537, 61-73.	2.3	43
1693	A model for wave propagation in a porous solid saturated by a three-phase fluid. Journal of the Acoustical Society of America, 2016, 139, 693-702.	0.5	6
1694	Characterization of acoustic-absorbing inter/intra-ply hybrid laminated composites under dynamic loading. Fibers and Polymers, 2016, 17, 439-452.	1.1	11
1695	Generalized Continua as Models for Classical and Advanced Materials. Advanced Structured Materials, 2016, , .	0.3	12

#	Article	IF	CITATIONS
1696	Variational Theories of Two-Phase Continuum Poroelastic Mixtures: A Short Survey. Advanced Structured Materials, 2016, , 377-394.	0.3	8
1698	Rayleigh waves in orthotropic fluid-saturated porous media. Wave Motion, 2016, 61, 73-82.	1.0	13
1699	Ultrasonic Shear Wave Reflection Method for Direct Determination of Porosity and Shear Modulus in Early-Age Cement Paste and Mortar. Journal of Engineering Mechanics - ASCE, 2016, 142, .	1.6	5
1700	Dynamic 2.5-D green× <sup>3</sup> s function for a poroelastic half-space. Engineering Analysis With Boundary Elements, 2016, 67, 96-107.	2.0	29
1701	Poroviscoelasticity. Theory and Applications of Transport in Porous Media, 2016, , 573-597.	0.4	2
1702	Poroelastodynamics. Theory and Applications of Transport in Porous Media, 2016, , 475-571.	0.4	0
1703	Reflection and Refraction of Attenuated Waves at the Interface Between Cracked Poroelastic Medium and Porous Solid Saturated with Two Immiscible Fluids. Transport in Porous Media, 2016, 113, 405-430.	1.2	10
1704	L gradient estimate for elliptic equations with high-contrast conductivities in <mmi:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"&gt;<mml:msup><mml:mrow><mml:mi mathvariant="double-struck"&gt;R</mml:mi </mml:mrow><mml:mrow><mml:mi>n</mml:mi></mml:mrow><mml:mi></mml:mi></mml:msup></mmi:math 	1.1 msup> <td>5 1ml:math&gt;.</td>	5 1ml:math>.
1705	Numerical upscaling in 2â€D heterogeneous poroelastic rocks: Anisotropic attenuation and dispersion of seismic waves. Journal of Geophysical Research: Solid Earth, 2016, 121, 6698-6721.	1.4	61
1706	A new rock-physical modeling based on dynamic-equivalent-medium-approach. , 2016, , .		0
1707	A novel high-pressure vessel for simultaneous observations of seismic velocity and in situ CO2 distribution in a porous rock using a medical X-ray CT scanner. Journal of Applied Geophysics, 2016, 135, 67-76.	0.9	5
1708	Rayleigh limits for effective wavenumbers of randomly distributed porous cylinders. Comparison of explicit and implicit methods. Wave Motion, 2016, 66, 106-117.	1.0	3
1709	A generalized effective anisotropic poroelastic model for periodically layered media accounting for both Biot's global and interlayer flows. Geophysical Prospecting, 2016, 64, 1135-1148.	1.0	10
1710	Effective stress law for the permeability of clayâ€bearing sandstones by the Modified Clay Shell model. , 2016, 6, 752-774.		8
1711	Seismic velocity inversion for patchy and homogeneous fluid-distribution conditions in shallow, unconsolidated sands. Geophysics, 2016, 81, U51-U60.	1.4	2
1712	Does Biot's theory have predictive power?. Pure and Applied Geophysics, 2016, 173, 2671-2686.	0.8	2
1713	Interactive computer for teaching biot poroelasticity modeling in civil engineering. Computer Applications in Engineering Education, 2016, 24, 5-15.	2.2	6
1714	An energy-based approach to estimate seismic attenuation due to wave-induced fluid flow in heterogeneous poroelastic media. Geophysical Journal International, 2016, 207, 823-832.	1.0	22

#	Article	IF	Citations
1715	Tuning tissue growth with scaffold degradation in enzyme-sensitive hydrogels: a mathematical model. Soft Matter, 2016, 12, 7505-7520.	1.2	63
1716	Ultrasonic wave velocity in the restructuring of disperse media. Acoustical Physics, 2016, 62, 187-193.	0.2	4
1717	On spatiotemporal wave–induced radiation distribution in a porous medium under impulsive transverse loadings. International Journal of Solids and Structures, 2016, 102-103, 89-99.	1.3	2
1718	Phononic crystals of poroelastic spheres. Physical Review B, 2016, 94, .	1.1	13
1719	A coupled thermal-hydro-mechanical simulation for carbon dioxide sequestration. Environmental Geotechnics, 2016, 3, 312-324.	1.3	12
1720	Generalized poroviscoelastic model based on effective Biot theory and its application to borehole guided wave analysis. Geophysical Journal International, 2016, 207, 1472-1483.	1.0	16
1721	Remote monitoring of the mechanical instability induced by fluid substitution and water weakening in the laboratory. Physics of the Earth and Planetary Interiors, 2016, 261, 69-87.	0.7	19
1722	Study on monitoring and estimating soil physical properties using piezoceramic transducer. Proceedings of SPIE, 2016, , .	0.8	0
1723	Large Deformations of a Soft Porous Material. Physical Review Applied, 2016, 5, .	1.5	111
1724	An effective anisotropic poroelastic model for elastic wave propagation in finely layered media. Geophysics, 2016, 81, T175-T188.	1.4	4
1725	Macroscopic framework for viscoelasticity, poroelasticity, and wave-induced fluid flows — Part 2: Effective media. Geophysics, 2016, 81, D405-D417.	1.4	10
1726	Rock-physics models for heterogeneous creeping rocks and viscous fluids. Geophysics, 2016, 81, D427-D440.	1.4	25
1727	A Transverse Dynamic Deflection Model for Thin Plate Made of Saturated Porous Materials. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 943-948.	0.7	4
1728	Effect of Corrugation and Reinforcement on the Dispersion of SH-wave Propagation in Corrugated Poroelastic Layer Lying over a Fibre-reinforced Half-space. Acta Geophysica, 2016, 64, 1340-1369.	1.0	9
1729	Ultrasonic waves in an orthorhombic porous piezo-thermoelastic laminated structure immersed in a fluid. Smart Materials and Structures, 2016, 25, 115025.	1.8	4
1730	Shear wave dispersion behaviors of soft, vascularized tissues from the microchannel flow model. Physics in Medicine and Biology, 2016, 61, 4890-4903.	1.6	17
1731	Applications of the Noise and Vibration Simulation and Its Constitutive Modeling for the Rubber Material. Nippon Gomu Kyokaishi, 2016, 89, 254-258.	0.0	0
1732	Numerical modeling of 2D seismic wave propagation in fluid saturated porous media using graphics processing unit (GPU): Study case of realistic simple structural hydrocarbon trap. AIP Conference Proceedings, 2016, , .	0.3	1

#	Article	IF	CITATIONS
1733	Three-Dimensional Mapped-Grid Finite Volume Modeling of Poroelastic-Fluid Wave Propagation. SIAM Journal of Scientific Computing, 2016, 38, B808-B836.	1.3	10
1734	M9 Tohoku Earthquake Hydro- and Seismic Response in the Caucasus and North Turkey. Acta Geophysica, 2016, 64, 567-588.	1.0	4
1735	Variational principle, uniqueness and reciprocity theorems in porous magneto-piezothermoelastic medium. Cogent Mathematics, 2016, 3, 1231947.	0.4	3
1736	Three-dimensional time-harmonic fundamental solutions for a fluid-saturated poroelastic half-space with partially permeable free surface. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 1903-1935.	1.7	12
1737	Modeling of the coseismic electromagnetic fields observed during the 2004 <i>M<sub>w</sub></i> 6.0 Parkfield earthquake. Geophysical Research Letters, 2016, 43, 620-627.	1.5	44
1738	Properties of lowâ€frequency trapped mode in viscousâ€fluid waveguides. Geophysical Prospecting, 2016, 64, 1335-1349.	1.0	4
1739	Validation of the boundary conditions to model the seismic response of fractures. Geophysical Prospecting, 2016, 64, 1149-1165.	1.0	7
1740	Reflection and Refraction of P Wave at the Interface Between Thermoelastic and Porous Thermoelastic Medium. Transport in Porous Media, 2016, 113, 1-27.	1.2	21
1741	Disturbance Due to Thermomechanical Sources in Porothermoelastic Medium. Strength of Materials, 2016, 48, 315-332.	0.2	1
1742	Synergizing Crosswell Seismic and Electromagnetic Techniques for Enhancing Reservoir Characterization. SPE Journal, 2016, 21, 909-927.	1.7	12
1743	A simple hydromechanical approach for simulating squirt-type flow. Geophysics, 2016, 81, D335-D344.	1.4	45
1744	Unsaturated hydro-mechanical–chemical constitutive coupled model based on mixture coupling theory: Hydration swelling and chemical osmosis. International Journal of Engineering Science, 2016, 104, 97-109.	2.7	28
1745	Quantitative study on coal permeability evolution with consideration of shear dilation. Journal of Natural Gas Science and Engineering, 2016, 36, 1199-1207.	2.1	10
1746	A numerical hydro-geotechnical model for marine gravity structures. Computers and Geotechnics, 2016, 79, 105-129.	2.3	26
1747	New micromechanics model for saturated porous media with connected pores. Archive of Applied Mechanics, 2016, 86, 1579-1590.	1.2	2
1748	On wave propagation characteristics in fluid saturated porous materials by a nonlocal Biot theory. Journal of Sound and Vibration, 2016, 379, 106-118.	2.1	55
1749	Dynamic transverse shear modulus for a heterogeneous fluid-filled porous solid containing cylindrical inclusions. Geophysical Journal International, 2016, 206, 1677-1694.	1.0	13
1750	Influence of anisotropy, porosity and initial stresses on crack propagation due to Loveâ€ŧype wave in a poroelastic medium. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 624-636.	1.7	14

#	Article	IF	CITATIONS
1751	Computational model for the analysis of cartilage and cartilage tissue constructs. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 334-347.	1.3	14
1752	Shear properties of heterogeneous fluid-filled porous media with spherical inclusions. International Journal of Solids and Structures, 2016, 83, 154-168.	1.3	24
1753	Numerical Simulation of Consolidation Settlement of Pervious Concrete Pile Composite Foundation under Road Embankment. International Journal of Geomechanics, 2016, 16, .	1.3	30
1754	Comparison of analytical and numerical approaches for CT-based aberration correction in transcranial passive acoustic imaging. Physics in Medicine and Biology, 2016, 61, 23-36.	1.6	41
1755	In-plane soil–structure interaction in layered, fluid-saturated, poroelastic half-space I: Structural response. Soil Dynamics and Earthquake Engineering, 2016, 81, 84-111.	1.9	19
1756	Recovery of parameters of cancellous bone by acoustic interrogation. Inverse Problems in Science and Engineering, 2016, 24, 284-316.	1.2	5
1757	Meso-hydro-mechanically informed effective stresses and effective pressures for saturated and unsaturated porous media. European Journal of Mechanics, A/Solids, 2016, 59, 24-36.	2.1	4
1758	Three-dimensional modeling and experimental validation of thermomechanical response of FRP composites exposed to one-sided heat flux. Materials and Design, 2016, 99, 565-573.	3.3	10
1759	Scattering of SH-wave for a non-welded contact fluid saturated natural fracture. Waves in Random and Complex Media, 2016, 26, 131-141.	1.6	4
1760	An analytical method for evaluating highway embankment responses with consideration of dynamic wheel–pavement interactions. Soil Dynamics and Earthquake Engineering, 2016, 83, 135-147.	1.9	30
1761	Theory of wave propagation in partially saturated double-porosity rocks: a triple-layer patchy model. Geophysical Journal International, 2016, 205, 22-37.	1.0	27
1762	A mathematical model for wave propagation in a composite solid matrix containing two immiscible fluids. Acta Mechanica, 2016, 227, 1453-1467.	1.1	3
1763	A visco-poroelastic model of functional adaptation in bones reconstructed with bio-resorbable materials. Biomechanics and Modeling in Mechanobiology, 2016, 15, 1325-1343.	1.4	94
1764	Application of Carrera Unified Formulation to study the effect of porosity on natural frequencies of thick porous–cellular plates. Composites Part B: Engineering, 2016, 91, 361-370.	5.9	99
1765	Seismic and aseismic motions generated by fluid injections. Geomechanics for Energy and the Environment, 2016, 5, 42-54.	1.2	77
1766	Effect of loosely bonded undulated boundary surfaces of doubly layered half-space on the propagation of torsional wave. Mechanics Research Communications, 2016, 73, 91-106.	1.0	18
1767	An indirect boundary element method to model the 3-D scattering of elastic waves in a fluid-saturated poroelastic half-space. Engineering Analysis With Boundary Elements, 2016, 66, 91-108.	2.0	32
1768	Seismic Performance of Shallow Founded Structures on Liquefiable Ground: Validation of Numerical Simulations Using Centrifuge Experiments. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	65

#	Article	IF	CITATIONS
1769	The diffraction of Rayleigh waves by a fluid-saturated alluvial valley in a poroelastic half-space modeled by MFS. Computers and Geosciences, 2016, 91, 33-48.	2.0	12
1770	One-dimensional consolidation in unsaturated soils under cyclic loading. Advances in Water Resources, 2016, 91, 122-137.	1.7	19
1771	Influence of frame inelasticity on poroviscoelastic reflections from a gas–water contact. Journal of Applied Geophysics, 2016, 124, 83-90.	0.9	0
1772	The Elastic Coefficients of Double-Porosity Materials: A Revisit. Transport in Porous Media, 2016, 111, 555-571.	1.2	8
1773	Computational homogenization of sound propagation in a deformable porous material including microscopic viscous-thermal effects. Journal of Sound and Vibration, 2016, 365, 119-133.	2.1	10
1774	The unsteady hydrodynamic force during the collision of two spheres in a viscous fluid. Acta Mechanica, 2016, 227, 565-580.	1.1	4
1775	Propagation of crack in a pre-stressed inhomogeneous poroelastic medium influenced by shear wave. Engineering Fracture Mechanics, 2016, 154, 191-206.	2.0	9
1776	Dynamic Interaction Between an Embedded Disc and a Nonhomogeneous Saturated Stratum Under Torsional Excitation. Geotechnical and Geological Engineering, 2016, 34, 323-332.	0.8	1
1777	Macroscopic framework for viscoelasticity, poroelasticity, and wave-induced fluid flows — Part 1: General linear solid. Geophysics, 2016, 81, L1-L13.	1.4	22
1778	On the Use of Transfer Approaches to Predict the Vibroacoustic Response of Poroelastic Media. Journal of Computational Acoustics, 2016, 24, 1550020.	1.0	4
1779	Rise of the main meniscus in rectangular capillaries: Experiments and modeling. Journal of Colloid and Interface Science, 2016, 461, 195-202.	5.0	18
1780	Propagation of Torsional surface waves in an inhomogeneous anisotropic fluid saturated porous layered half space under initial stress with varying properties. Applied Mathematical Modelling, 2016, 40, 1300-1314.	2.2	15
1781	Analytical Model to Predict Dynamic Responses of Railway Subgrade due to High-Speed Trains Considering Wheel–Track Interaction. International Journal of Geomechanics, 2016, 16, .	1.3	19
1782	Prediction of Ground Vibration from High Speed Trains Using a Vehicle–Track–Ground Coupling Model. International Journal of Structural Stability and Dynamics, 2016, 16, 1550051.	1.5	12
1783	Anomalous distribution of microearthquakes in the Newberry Geothermal Reservoir: Mechanisms and implications. Geothermics, 2016, 63, 62-73.	1.5	28
1784	Elastic waves in thermoelastic saturated porous medium. Meccanica, 2016, 51, 593-609.	1.2	10
1785	Potential Method for 3D Wave Propagation in a Poroelastic Medium and Its Applications to Lamb's Problem for a Poroelastic Half-Space. International Journal of Geomechanics, 2016, 16, .	1.3	6
1786	Numerical and Centrifuge Modeling of Seismic Soil–Foundation–Structure Interaction on Liquefiable Ground. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142,	1.5	79

#	Article	IF	CITATIONS
1787	Modeling of porous piezoelectric structures by the meshless local Petrov-Galerkin method. Mechanics of Advanced Materials and Structures, 2016, 23, 233-247.	1.5	3
1788	Generation of SH-type waves in a poroelastic layer sandwiched between prestressed orthotropic and nonhomogeneous mantles. Mechanics of Advanced Materials and Structures, 2017, 24, 64-72.	1.5	2
1789	Modeling of a non-local stimulus for bone remodeling process under cyclic load: Application to a dental implant using a bioresorbable porous material. Mathematics and Mechanics of Solids, 2017, 22, 1790-1805.	1.5	42
1790	An inverse-source problem for maximization of pore-fluid oscillation within poroelastic formations. Inverse Problems in Science and Engineering, 2017, 25, 832-863.	1.2	8
1791	Interaction of multiple courses of waveâ€induced fluid flow in layered porous media. Geophysical Prospecting, 2017, 65, 1037-1052.	1.0	5
1792	Comparative analysis on spatiotemporal pore pressure evolution under surface–wave perturbations. Soil Dynamics and Earthquake Engineering, 2017, 92, 596-603.	1.9	3
1793	Fundamental solutions of a multi-layered transversely isotropic saturated half-space subjected to moving point forces and pore pressure. Engineering Analysis With Boundary Elements, 2017, 76, 40-58.	2.0	63
1794	On the effect of coupled solid-fluid deformation on natural frequencies of fluid saturated porous plates. European Journal of Mechanics, A/Solids, 2017, 63, 99-109.	2.1	27
1795	Measurement of Biot's coefficient for COx argillite using gas pressure technique. International Journal of Rock Mechanics and Minings Sciences, 2017, 92, 72-80.	2.6	18
1796	Dynamic stress intensity factor (Mode I) of a permeable penny-shaped crack in a fluid-saturated poroelastic solid. International Journal of Solids and Structures, 2017, 110-111, 127-136.	1.3	24
1797	Extension of the classical linear slip model for fluidâ€saturated fractures: Accounting for fluid pressure diffusion effects. Journal of Geophysical Research: Solid Earth, 2017, 122, 1302-1323.	1.4	18
1798	Poroelastodynamic response of a borehole in a non-hydrostatic stress field. International Journal of Rock Mechanics and Minings Sciences, 2017, 93, 82-93.	2.6	15
1799	Frequency―and angleâ€dependent poroelastic seismic analysis for highly attenuating reservoirs. Geophysical Prospecting, 2017, 65, 1630-1648.	1.0	7
1800	Mechanism of the Two-Phase Flow Model for Water and Gas Based on Adsorption and Desorption in Fractured Coal and Rock. Rock Mechanics and Rock Engineering, 2017, 50, 571-586.	2.6	27
1801	Acoustic characterization of a porous absorber based on recycled sugarcane wastes. Applied Acoustics, 2017, 120, 90-97.	1.7	26
1802	Dispersion Study of Propagation of Torsional Surface Wave in a Layered Structure. Journal of Mechanics, 2017, 33, 303-315.	0.7	4
1803	Application of a Precoated Permeable Layer to a Pipeline Partially Buried in a Porous Seabed. Journal of Engineering Mechanics - ASCE, 2017, 143, 04017025.	1.6	1
1804	Analyses of dynamic characteristics of a fluid-filled thin rectangular porous plate with various boundary conditions. Acta Mechanica Solida Sinica, 2017, 30, 87-97.	1.0	10

#	Article	IF	CITATIONS
1805	Multirate Coupling for Flow and Geomechanics Applied to Hydraulic Fracturing Using an Adaptive Phase-Field Technique. , 2017, , .		15
1806	Modelling the effects of porous media deformation on the propagation of water-table waves in a sandy unconfined aquifer. Hydrogeology Journal, 2017, 25, 287-295.	0.9	2
1807	Propagation of Love waves in a void medium over a sandy half space under gravity. Acta Geophysica, 2017, 65, 269-274.	1.0	1
1808	Poroelastic theory of consolidation in unsaturated soils incorporating gravitational body forces. Advances in Water Resources, 2017, 106, 121-131.	1.7	13
1809	Determination of a Transversely Isotropic Medium Equivalent to a Fractured Fluid-Saturated Poroelastic Medium. A Finite Element Approach. SIAM Journal of Scientific Computing, 2017, 39, B244-B271.	1.3	1
1810	Analysis of Dynamic Fracture Compliance Based on Poroelastic Theory. Part I: Model Formulation and Analytical Expressions. Pure and Applied Geophysics, 2017, 174, 2103-2120.	0.8	9
1811	Passive Wedge Formation and Limiting Lateral Pressures on Large Foundations during Lateral Spreading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	18
1812	Wave propagation in double-porosity dual-permeability materials: Velocity and attenuation. Advances in Water Resources, 2017, 106, 132-143.	1.7	15
1813	Viscous second gradient porous materials for bones reconstructed with bio-resorbable grafts. Extreme Mechanics Letters, 2017, 13, 141-147.	2.0	81
1814	Effect of fracture fill on frequencyâ€dependent anisotropy of fractured porous rocks. Geophysical Prospecting, 2017, 65, 1649-1661.	1.0	31
1815	Inhomogeneous waves in porous piezo-thermoelastic solids. Acta Mechanica, 2017, 228, 1891-1907.	1.1	6
1816	Dynamic 2.5-D Green's function for a point load or a point fluid source in a layered poroelastic half-space. Engineering Analysis With Boundary Elements, 2017, 77, 123-137.	2.0	22
1817	A local artificialâ€boundary condition for simulating transient wave radiation in fluidâ€saturated porous media of infinite domains. International Journal for Numerical Methods in Engineering, 2017, 112, 529-552.	1.5	17
1818	Homogenized modeling for vascularized poroelastic materials. Meccanica, 2017, 52, 3321-3343.	1.2	36
1819	Numerical analysis on the seismic behavior of a large metro subway tunnel in liquefiable ground. Tunnelling and Underground Space Technology, 2017, 66, 91-106.	3.0	66
1820	Normal compression wave scattering by a permeable crack in a fluid-saturated poroelastic solid. Acta Mechanica Sinica/Lixue Xuebao, 2017, 33, 356-367.	1.5	22
1821	Effect of compressible parameters on vertical vibration of an elastic pile in multilayered poroelastic media. Computers and Geotechnics, 2017, 89, 195-202.	2.3	23
1822	From velocity and attenuation tomography to rock physical modeling: Inferences on fluidâ€driven earthquake processes at the Irpinia fault system in southern Italy. Geophysical Research Letters, 2017, 44, 6752-6760.	1.5	39

#	Article	IF	CITATIONS
1823	Rayleigh-type wave propagation through liquid layer over corrugated substrate. Applied Mathematics and Mechanics (English Edition), 2017, 38, 851-866.	1.9	5
1824	Dynamic Performance Characteristics of Pervious Concrete Pile Composite Foundations under Earthquake Loads. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	13
1825	Sonic <i>Q</i> <sub>P</sub> / <i>Q</i> <sub>S</sub> ratio as diagnostic tool for shale gas saturation. Geophysics, 2017, 82, MR97-MR103.	1.4	32
1826	Green's function of multi-layered poroelastic half-space for models of ground vibration due to railway traffic. Earthquake Engineering and Engineering Vibration, 2017, 16, 311-328.	1.1	14
1827	Broadband focusing of underwater sound using a transparent pentamode lens. Journal of the Acoustical Society of America, 2017, 141, 4408-4417.	0.5	85
1828	Finite-difference modeling of surface waves in poroelastic media and stress mirror conditions. Applied Geophysics, 2017, 14, 105-114.	0.1	6
1829	Plane strain dynamic responses of a multi-layered transversely isotropic saturated half-space. International Journal of Engineering Science, 2017, 119, 55-77.	2.7	38
1830	Inverting Glacial Isostatic Adjustment signal using Bayesian framework and two linearly relaxing rheologies. Geophysical Journal International, 2017, 209, 1126-1147.	1.0	31
1831	Fracture toughness of wet and dry particulate materials comprised of colloidal sized particles: role of plastic deformation. Soft Matter, 2017, 13, 4746-4755.	1.2	6
1832	Site Response in Liquefiable Layered Deposits Considering Spatial Variability in Hydraulic Conductivity. , 2017, , .		2
1833	"Fast―and "slow―pressure waves electrically induced by nonlinear coupling in Biot-type porous medium saturated by a nematic liquid crystal. Zeitschrift Fur Angewandte Mathematik Und Physik, 2017, 68, 1.	0.7	14
1834	Mechanical response of holographic photopolymers. Proceedings of SPIE, 2017, , .	0.8	0
1835	Propagation characteristics of interface waves between a porous medium and a sediment-containing two-phase fluid. Ultrasonics, 2017, 81, 73-80.	2.1	2
1836	Poroelastodynamic potential method for transversely isotropic fluid-saturated poroelastic media. Applied Mathematical Modelling, 2017, 50, 177-199.	2.2	33
1837	Scattering of plane P 1 waves and dynamic stress concentration by a lined tunnel in a fluid-saturated poroelastic half-space. Tunnelling and Underground Space Technology, 2017, 67, 71-84.	3.0	35
1838	Truncated transparent boundary conditions for second order hyperbolic systems. Applied Numerical Mathematics, 2017, 120, 115-124.	1.2	2
1839	Development of an Effective Cell Seeding Technique: Simulation, Implementation, and Analysis of Contributing Factors. Tissue Engineering - Part C: Methods, 2017, 23, 485-496.	1.1	16
1840	The effective stress concept and the evaluation of changes in pore air pressure under jacketed isotropic compression tests for dry sand based on the 2â€phase porous theory. International Journal for Numerical and Analytical Methods in Geomechanics, 2017, 41, 1894-1907.	1.7	4

#	Article	IF	Citations
1841	Effects of Irregularity, Porosity, Reinforcement and Initial Stress on the Propagation of SH-wave in a Self-reinforced Layer Lying over an Initially Stressed Porous Half-space. Procedia Engineering, 2017, 173, 1154-1161.	1.2	0
1842	Rock anelasticity due to patchy saturation and fabric heterogeneity: A double doubleâ€porosity model of wave propagation. Journal of Geophysical Research: Solid Earth, 2017, 122, 1949-1976.	1.4	179
1843	The Seafloor. , 2017, , 469-552.		4
1844	Modelling of CO <sub>2</sub> diffusion and related poro-elastic effects in a smectite-rich cap rock above a reservoir used for CO <sub>2</sub> storage. Geological Society Special Publication, 2017, 454, 155-173.	0.8	9
1845	Numerical analysis of longitudinal ultrasonic attenuation in sintered materials using a simplified two-phase model. Journal of the Acoustical Society of America, 2017, 141, 1226-1237.	0.5	5
1846	Effective medium modeling of velocity dispersion and attenuation in isotropic rocks. Geophysics, 2017, 82, D135-D156.	1.4	8
1847	Determination of elastic moduli of composite medium containing bimaterial matrix and non-uniform inclusion concentrations. Applied Mathematics and Mechanics (English Edition), 2017, 38, 15-28.	1.9	9
1848	Mechanical-Damage Characterization in Proppant Packs by Use of Acoustic Measurements. SPE Production and Operations, 2017, 32, 168-176.	0.4	3
1849	Numerical Analysis of Velocity Dispersion in Multi-Phase Fluid-Saturated Porous Rocks. Pure and Applied Geophysics, 2017, 174, 1219-1235.	0.8	1
1850	A fully coupled flow and geomechanics model for a tight gas reservoir: Implications for compaction, subsidence and faulting. Journal of Natural Gas Science and Engineering, 2017, 38, 257-271.	2.1	4
1851	Wave-induced seabed response around an offshore pile foundation platform. Ocean Engineering, 2017, 130, 567-582.	1.9	31
1852	Sound insulation properties in low-density, mechanically strong and ductile nanoporous polyurea aerogels. Journal of Non-Crystalline Solids, 2017, 476, 36-45.	1.5	34
1853	An investigation into the contact between soft elastic and poroelastic bodies rotating under load. Tribology - Materials, Surfaces and Interfaces, 2017, 11, 193-201.	0.6	7
1854	Modeling Forced Imbibition Processes and the Associated Seismic Attenuation in Heterogeneous Porous Rocks. Journal of Geophysical Research: Solid Earth, 2017, 122, 9031-9049.	1.4	10
1855	A discontinuous Galerkin method for poroelastic wave propagation: The two-dimensional case. Journal of Computational Physics, 2017, 350, 690-727.	1.9	32
1856	Anistropy Complete Session. , 2017, , .		0
1857	Diffraction Imaging and Modeling and Seismic Modeling Complete Session. , 2017, , .		0
1858	Rock Physics I Complete Session. , 2017, , .		0

#	Article	IF	CITATIONS
1859	An efficient method for predicting train-induced vibrations from a tunnel in a poroelastic half-space. Engineering Analysis With Boundary Elements, 2017, 85, 43-56.	2.0	31
1860	Inverse poroelasticity as a fundamental mechanism in biomechanics and mechanobiology. Nature Communications, 2017, 8, 1002.	5.8	69
1861	Mobility Effect on Poroelastic Seismic Signatures in Partially Saturated Rocks With Applications in Time‣apse Monitoring of a Heavy Oil Reservoir. Journal of Geophysical Research: Solid Earth, 2017, 122, 8872-8891.	1.4	28
1862	A multi-scale approach for the analysis of the mechanical effects of salt crystallisation in porous media. International Journal of Solids and Structures, 2017, 126-127, 225-239.	1.3	12
1863	Long-wave anisotropic behavior of highly heterogeneous-fractured Biot media. , 2017, , .		0
1864	The method of fundamental solution for elastic wave scattering and dynamic stress concentration in a fluid-saturated poroelastic layered half-plane. Engineering Analysis With Boundary Elements, 2017, 84, 154-167.	2.0	6
1865	Numerical Investigation of the Effective Skempton Coefficient in Porous Rock Containing Fluid-Filled Fracture Networks. , 2017, , .		0
1866	Elastic properties of two VTI shale samples as a function of uniaxial stress: Experimental results and application of the porosity-deformation approach. Geophysics, 2017, 82, C201-C210.	1.4	15
1867	Layer-element analysis of multilayered saturated soils subject to axisymmetric vertical time-harmonic excitation. Applied Mathematics and Mechanics (English Edition), 2017, 38, 1295-1312.	1.9	11
1868	Slow Waves in a Poroelastic Solid Saturated by Multiphase Fluids. , 2017, , .		0
1869	Mechanical characterization of compressible chromatographic particles. Powder Technology, 2017, 320, 213-222.	2.1	2
1870	Modeling of viscoelastic properties of nonpermeable porous rocks saturated with highly viscous fluid at seismic frequencies at the core scale. Journal of Geophysical Research: Solid Earth, 2017, 122, 6067-6086.	1.4	19
1871	Analysis of Fracture Induced Anisotropy in a Biot Medium as Function of Effective Pressure. , 2017, , .		0
1872	Dynamic Response of circular tunnelunder Elastic medium. Materials Today: Proceedings, 2017, 4, 1691-1700.	0.9	0
1873	Dynamic Soil Models for Backcalculation of Material Properties from Falling Weight Deflectometer Deflection Data. Procedia Engineering, 2017, 189, 152-157.	1.2	7
1874	Near-wellbore permeability alteration in depleted, anisotropic reservoirs. Journal of Petroleum Science and Engineering, 2017, 157, 302-311.	2.1	11
1875	Nonlinear wave propagation in porous materials based on the Biot theory. Journal of the Acoustical Society of America, 2017, 142, 756-770.	0.5	19
1876	Stressâ€dependent permeability and wave dispersion in tight cracked rocks: Experimental validation of simple effective medium models. Journal of Geophysical Research: Solid Earth, 2017, 122, 6180-6201.	1.4	57

щ.		15	CITATIONS
Ŧ	ARTICLE	IF	CHATIONS
1877	homogenization method. Mechanics of Solids, 2017, 52, 212-223.	0.3	5
1878	Analytical and Experimental Studies on Biot Flow–Induced Damping in Saturated Soil Specimens in Resonant Column Tests. International Journal of Geomechanics, 2017, 17, 06017004.	1.3	1
1879	Seismoelectric wave propagation modeling in a borehole in water-saturated porous medium having an electrochemical interface. Chinese Physics B, 2017, 26, 124301.	0.7	10
1880	Local and global fluid effects on sonic wave modes. Geophysics, 2017, 82, D369-D381.	1.4	4
1881	Prediction of Physical-Mechanical Properties and In-Situ Stress State of Hydrocarbon Reservoirs from Experimental Data and Theoretical Modeling. , 2017, , .		6
1882	Mathematical Modeling of Proppant Embedment and Its Effect on Conductivity of Hydraulic Fracture. , 2017, , .		2
1883	Features of acoustic waves in media with large porosity values in the framework of the Biot theory. Acoustical Physics, 2017, 63, 711-715.	0.2	0
1884	Finite-Difference Modeling of the Seismoelectric Logging in Fluid-Saturated Porous Formations. , 2017,		0
1885	An integrated approach to quantify geologic controls on carbonate pore types and permeability, Puguang gas field, China. Interpretation, 2017, 5, T545-T561.	0.5	13
1886	Monitoring field scale CO2 injection from time-lapse seismic and well log, integrating with advanced rock physics model at Cranfield EOR site. Acta Geophysica, 2017, 65, 1207-1218.	1.0	2
1887	Pressure and temperature dependence of acoustic wave speeds in bitumen-saturated carbonates: Implications for seismic monitoring of the Grosmont Formation. Geophysics, 2017, 82, MR133-MR151.	1.4	19
1888	Rayleigh Surface Wave in a Porothermoelastic Solid Half-Space. , 2017, , .		5
1889	Response of a circular tunnel embedded in saturated soil to a series of equidistant moving loads. Acta Mechanica, 2017, 228, 3675-3693.	1.1	5
1890	Shear wave in a pre-stressed poroelastic medium diffracted by a rigid strip. Journal of Sound and Vibration, 2017, 407, 16-31.	2.1	6
1891	A locally conservative stabilized continuous Galerkin finite element method for two-phase flow in poroelastic subsurfaces. Journal of Computational Physics, 2017, 347, 78-98.	1.9	12
1892	Simulation of seismic wave propagation in 2-D poroelastic media using weighted-averaging finite difference stencils in the frequency–space domain. Geophysical Journal International, 2017, 208, 148-161.	1.0	21
1893	Propagation and attenuation of inhomogeneous waves in double-porosity dual-permeability materials. Geophysical Journal International, 2017, 208, 737-747.	1.0	6
1894	Finite element modeling of soil-pile response subjected to liquefaction-induced lateral spreading in a large-scale shake table experiment. Soil Dynamics and Earthquake Engineering, 2017, 92, 573-584.	1.9	41

#	Article	IF	CITATIONS
1895	Study on the ratio of pore-pressure/stress changes during fluid injection and its implications for CO2 geologic storage. Journal of Petroleum Science and Engineering, 2017, 149, 138-150.	2.1	14
1896	Investigation of the effects of the microstructure on the sound absorption performance of polymer foams using a computational homogenization approach. European Journal of Mechanics, A/Solids, 2017, 61, 330-344.	2.1	28
1897	A 2.5-D coupled FE–BE model for the dynamic interaction between saturated soil and longitudinally invariant structures. Computers and Geotechnics, 2017, 82, 211-222.	2.3	44
1898	Displacement ring load Green's functions for saturated porous transversely isotropic triâ€material fullâ€space. International Journal for Numerical and Analytical Methods in Geomechanics, 2017, 41, 359-381.	1.7	19
1899	Normal impact response of a saturated porous cylinder with a penny-shaped crack. Theoretical and Applied Fracture Mechanics, 2017, 87, 1-10.	2.1	5
1900	Clay squirt: Local flow dispersion in shale-bearing sandstones. Geophysics, 2017, 82, MR51-MR63.	1.4	2
1901	Ground Motion Intensity Measures to Evaluate II: The Performance of Shallow-Founded Structures on Liquefiable Ground. Earthquake Spectra, 2017, 33, 277-298.	1.6	33
1902	Effects of fracture intersections on seismic dispersion: theoretical predictions versus numerical simulations. Geophysical Prospecting, 2017, 65, 1264-1276.	1.0	53
1903	Pseudo Rayleigh wave in a partially saturated non-dissipative porous solid. Journal of Seismology, 2017, 21, 425-434.	0.6	0
1904	Sensitivity of Seismic Attenuation and Phase Velocity to Intrinsic Background Anisotropy in Fractured Porous Rocks: A Numerical Study. Journal of Geophysical Research: Solid Earth, 2017, 122, 8181-8199.	1.4	16
1905	Mathematical Modeling of Proppant Embedment and Its Effect on Conductivity of Hydraulic Fracture (Russian). , 2017, , .		0
1906	Dynamic response and long-term settlement of a metro tunnel in saturated clay due to moving train load. Soils and Foundations, 2017, 57, 1059-1075.	1.3	35
1907	A study on acoustic metamaterial to control reflection sound. Transactions of the JSME (in Japanese), 2017, 83, 17-00310-17-00310.	0.1	1
1908	Prediction of Physical-Mechanical Properties and In-Situ Stress State of Hydrocarbon Reservoirs from Experimental Data and Theoretical Modeling (Russian). , 2017, , .		7
1909	Shale Gas in Poland. , 2017, , .		7
1910	Wave attenuation and velocity dispersion in layered double-porosity media. , 2017, , .		0
1911	A Review of Mixture Theory for Deformable Porous Media and Applications. Applied Sciences (Switzerland), 2017, 7, 917.	1.3	28
1912	Roller-Integrated Acoustic Wave Detection Technique for Rockfill Materials. Applied Sciences (Switzerland), 2017, 7, 1118.	1.3	17

#	Article	IF	CITATIONS
1913	Asphaltic Material in the Context of Generalized Porothermoelasticity. International Journal on Soft Computing, 2017, 8, 27-43.	0.1	3
1914	Biot's Theory in the Finite Element Method. , 2017, , 119-153.		1
1916	On Permeability Estimation from Borehole Acoustic and Electromagnetic Flexural Waves. , 2017, , .		0
1917	Influence of Poroelasticity of the Surface Layer on the Surface Love Wave Propagation. Journal of Applied Mechanics, Transactions ASME, 2018, 85, .	1.1	11
1918	Numerical analysis of the impact of variable porosity on trailing-edge noise. Computers and Fluids, 2018, 167, 66-81.	1.3	18
1919	Deep convolutional neural networks for estimating porous material parameters with ultrasound tomography. Journal of the Acoustical Society of America, 2018, 143, 1148-1158.	0.5	45
1920	Numerical analysis of interaction between seabed and mono-pile subjected to dynamic wave loadings considering the pile rocking effect. Ocean Engineering, 2018, 155, 173-188.	1.9	17
1921	Quantitative Understanding on the Amplitude Decay Characteristic of the Evanescent Electromagnetic Waves Generated by Seismoelectric Conversion. Pure and Applied Geophysics, 2018, 175, 2853-2879.	0.8	13
1922	Sound Transmission Loss Enhancement in an Inorganicâ€Organic Laminated Wall Panel Using Multifunctional Lowâ€Density Nanoporous Polyurea Aerogels: Experiment and Modeling. Advanced Engineering Materials, 2018, 20, 1700937.	1.6	15
1923	Analytical model for vibration prediction of two parallel tunnels in a full-space. Journal of Sound and Vibration, 2018, 423, 306-321.	2.1	31
1924	Surface waves in a cylindrical borehole through partially-saturated porous solid. Journal of Earth System Science, 2018, 127, 1.	0.6	2
1926	A phase-field modeling approach of fracture propagation in poroelastic media. Engineering Geology, 2018, 240, 189-203.	2.9	259
1927	Vertical vibrations of rigid foundations of arbitrary shape in a multi-layered poroelastic medium. Computers and Geotechnics, 2018, 100, 121-134.	2.3	27
1928	Scattering problem for a spherical inclusion in poroelastic media: Application of the asymptotic expansion method. International Journal of Engineering Science, 2018, 128, 187-207.	2.7	7
1929	A transverse isotropic equivalent fluid model combining both limp and rigid frame behaviors for fibrous materials. Journal of the Acoustical Society of America, 2018, 143, 2089-2098.	0.5	3
1930	Dynamic characteristics of a largeâ€diameter pile in saturated soil and its application. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 1255-1269.	1.7	20
1931	Dynamic response of an elastic plate on a cross-anisotropic poroelastic half-plane to a load moving on its surface. Soil Dynamics and Earthquake Engineering, 2018, 107, 292-302.	1.9	36
1932	Longâ€wave equivalent viscoelastic solids for porous rocks saturated by twoâ€phase fluids. Geophysical Journal International, 2018, 214, 302-314.	1.0	3

#	Article	IF	CITATIONS
1933	Reflection and transmission characteristics of a layer obeying the two-pressure field poroelastic phenomenological model of Berryman and Wang. Ultrasonics, 2018, 87, 71-81.	2.1	2
1934	Variable-Order Finite Difference Scheme for Numerical Simulation in 3-D Poroelastic Media. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2991-3001.	2.7	28
1935	An Entropy Generation on Viscous Fluid in the Inclined Deformable Porous Medium. Differential Equations and Dynamical Systems, 2022, 30, 211-234.	0.5	4
1936	An analytical poroelastic model for ultrasound elastography imaging of tumors. Physics in Medicine and Biology, 2018, 63, 025031.	1.6	14
1937	Influence of Pavement Roughness on Dynamic Stresses in Saturated Subsoil Subjected to Moving Traffic Loading. International Journal of Geomechanics, 2018, 18, .	1.3	22
1938	Identifying gas hydrate occurrence state by seismic P-wave attenuation in northern South China Sea. Geosciences Journal, 2018, 22, 445-452.	0.6	3
1939	Squirt-Flow in Fluid-Saturated Porous Media: Propagation of Rayleigh Waves. Transport in Porous Media, 2018, 122, 25-42.	1.2	2
1940	A combined method to predict the long-term settlements of roads on soft soil under cyclic traffic loadings. Acta Geotechnica, 2018, 13, 1215-1226.	2.9	26
1941	A 3D numerical model for investigation of hydraulic fracture configuration in multilayered tight sandstone gas reservoirs. Journal of Petroleum Exploration and Production, 2018, 8, 1413-1424.	1.2	11
1942	Seismic Attenuation and Stiffness Modulus Dispersion in Porous Rocks Containing Stochastic Fracture Networks. Journal of Geophysical Research: Solid Earth, 2018, 123, 125-143.	1.4	45
1943	The modeling and analysis of frequency-dependent characteristics in fractured porous media. Journal of Geophysics and Engineering, 2018, 15, 1943-1952.	0.7	8
1944	Effect of soil particle and pore orientations on sound velocity. Innovative Infrastructure Solutions, 2018, 3, 1.	1.1	0
1945	Numerical study of pile group effect on wave-induced seabed response. Applied Ocean Research, 2018, 76, 148-158.	1.8	20
1946	State-of-the-Art Modelling of Soil Behaviour Under Blast Loading. Geotechnical and Geological Engineering, 2018, 36, 3331-3355.	0.8	6
1948	Transient dynamic response of multilayered saturated media subjected to impulsive loadings. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 1154-1171.	1.7	9
1949	Convergence analysis of fixed stress split iterative scheme for anisotropic poroelasticity with tensor Biot parameter. Computational Geosciences, 2018, 22, 1219-1230.	1.2	19
1950	Dynamic behaviour of an infinite saturated transversely isotropic porous media under fluid-phase excitation. Soil Dynamics and Earthquake Engineering, 2018, 107, 390-406.	1.9	12
1951	Estimation of dispersion attributes at seismic frequency—a case study from the Frigg-Delta reservoir, North sea. Journal of Geophysics and Engineering, 2018, 15, 1799-1810.	0.7	2

# 1952	ARTICLE Effect of vertical seismic motion on the dynamic response and instantaneous liquefaction in a two-layer porous seabed. Computers and Geotechnics, 2018, 99, 165-176.	IF 2.3	CITATIONS 27
1953	A review of foundations of offshore wind energy convertors: Current status and future perspectives. Renewable and Sustainable Energy Reviews, 2018, 88, 16-36.	8.2	180
1954	Analytical method for calculation of ground vibration from a tunnel embedded in a multi-layered half-space. Computers and Geotechnics, 2018, 99, 149-164.	2.3	47
1955	Application example: Field Velocity Resistivity Probe (FVRP) for predicting pore pressure parameter B. Soil Dynamics and Earthquake Engineering, 2018, 107, 214-217.	1.9	1
1956	Numerical analysis on random wave-induced porous seabed response. Marine Georesources and Geotechnology, 2018, 36, 974-985.	1.2	13
1957	Rayleigh wave at the surface of a general anisotropic poroelastic medium: derivation of real secular equation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170589.	1.0	8
1958	Attenuation and dispersion of SH-waves in a loosely bonded sandwiched fluid saturated porous layer. Soil Dynamics and Earthquake Engineering, 2018, 107, 350-362.	1.9	14
1959	Dynamic responses of unsaturated halfâ€space soil to a moving harmonic rectangular load. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 1057-1077.	1.7	43
1960	Mixed finite element formulation for dynamics of porous media. International Journal for Numerical Methods in Engineering, 2018, 115, 141-171.	1.5	17
1961	Momentary liquefaction of porous seabed under vertical seismic action. Applied Ocean Research, 2018, 73, 80-87.	1.8	12
1962	The torsional surface wave in a prestressed anisotropic intermediate poroelastic layer of varying heterogeneities. JVC/Journal of Vibration and Control, 2018, 24, 1687-1706.	1.5	5
1963	The Diffraction of Rayleigh Waves by Twin Circular Cavities in a Poroelastic Half-Space. Journal of Earthquake Engineering, 2018, 22, 970-987.	1.4	5
1964	Propagation of longitudinal viscoelastic stress waves in a fluid saturated Voigt porous medium. Ain Shams Engineering Journal, 2018, 9, 2357-2362.	3.5	0
1965	An analytical study on the free vibration of moderately thick fluid-infiltrated porous annular sector plates. JVC/Journal of Vibration and Control, 2018, 24, 4130-4144.	1.5	21
1966	The Burgers/squirt-flow seismic model of the crust and mantle. Physics of the Earth and Planetary Interiors, 2018, 274, 14-22.	0.7	15
1967	Effective Biot theory and its generalization to poroviscoelastic models. Geophysical Journal International, 2018, 212, 1255-1273.	1.0	29
1968	Acoustic performances of silicone foams for sound absorption. Journal of Cellular Plastics, 2018, 54, 651-670.	1.2	17
1969	Solid-fluid-gas coupling prediction of harmful gas eruption in shield tunneling. Tunnelling and Underground Space Technology, 2018, 71, 126-137.	3.0	7
# 1970	ARTICLE Thermal effects in landslide mobility. Geotechnique, 2018, 68, 528-545.	IF 2.2	Citations
-----------	---	-----------	-----------
1971	Reflection–refraction of attenuated waves at the interface between a thermo-poroelastic medium and a thermoelastic medium. Waves in Random and Complex Media, 2018, 28, 570-587.	1.6	19
1972	Simulation of three-dimensional viscoelastic deformation coupled to porous fluid flow. Tectonophysics, 2018, 746, 695-701.	0.9	46
1973	3D dynamic analysis of the soil–foundation–superstructure system considering the elastoplastic finite deformation of both the soil and the superstructure. Bulletin of Earthquake Engineering, 2018, 16, 1909-1939.	2.3	9
1974	Time-dependent fracture of mode-I cracks in poroviscoelastic media. European Journal of Mechanics, A/Solids, 2018, 69, 78-87.	2.1	13
1975	Dynamic impedance functions for a rigid strip footing resting on a multi-layered transversely isotropic saturated half-space. Engineering Analysis With Boundary Elements, 2018, 86, 31-44.	2.0	25
1976	Inversion for Biot-consistent material properties in subresonant oscillation experiments with fluid-saturated porous rock. Geophysics, 2018, 83, MR67-MR79.	1.4	16
1977	Evaluation of train-induced settlement for metro tunnel in saturated clay based on an elastoplastic constitutive model. Underground Space (China), 2018, 3, 109-124.	3.4	24
1978	Stress and pressure fields around two wellbores in a poroelastic medium. Meccanica, 2018, 53, 639-657.	1.2	5
1979	An analytical solution for integrity detection of a floating pile embedded in saturated viscoelastic half-space. International Journal of Distributed Sensor Networks, 2018, 14, 155014771880331.	1.3	4
1980	Investigation on the structure and mechanical properties of acoustic-absorbing composite laminates. IOP Conference Series: Materials Science and Engineering, 2018, 382, 022084.	0.3	1
1981	Reflection of plane seismic waves at the surface of double-porosity dual-permeability materials. Petroleum Science, 2018, 15, 521-537.	2.4	18
1982	Variational Principles in Numerical Practice. , 2018, , 1-8.		0
1985	Fluid-pressure diffusion in deformable porous media. , 2018, , .		2
1986	ENTROPY GENERATION ANALYSIS FOR MHD FLOW THROUGH A VERTICAL DEFORMABLE POROUS LAYER. Journal of Porous Media, 2018, 21, 523-538.	1.0	10
1988	Upscaling Effective Biot Theory to Poro-Viscoelastic Models. , 2018, , .		0
1989	Sensitivity analysis of geotechnical site conditions effect on the seismic response of a saturated inhomogeneous poroviscoelastic soil profile. World Journal of Engineering, 2018, 15, 661-677.	1.0	2
1990	Rayleigh waves in anisotropic porous media and the polarization vector method. Wave Motion, 2018, 83, 202-213.	1.0	5

#	Article	IF	Citations
1991	Dynamic response of the 3D pavement–transversely isotropic poroelastic ground system to a rectangular moving load. Soil Dynamics and Earthquake Engineering, 2018, 115, 394-401.	1.9	12
1992	THE STUDY OF RADIAL TEARS IN INTERVERTEBRAL DISC BY THE POROELASTIC SIMULATION: METHODOLOGY AND THE COMPRESSIVE CASE. Biomedical Engineering - Applications, Basis and Communications, 2018, 30, 1850039.	0.3	0
1993	Influence of anisotropic properties on vertical vibrations of circular foundation on saturated elastic layer. Mechanics Research Communications, 2018, 94, 102-109.	1.0	24
1994	Long-term creep tests and viscoelastic constitutive modeling of lower Paleozoic shales from the Baltic Basin, N Poland. International Journal of Rock Mechanics and Minings Sciences, 2018, 112, 139-157.	2.6	25
1995	Finite element analysis of biological soft tissue surrounded by a deformable membrane that controls transmembrane flow. Theoretical Biology and Medical Modelling, 2018, 15, 21.	2.1	10
1996	Gravity effect on consolidation in poroelastic soils under saturated and unsaturated conditions. Journal of Hydrology, 2018, 566, 99-108.	2.3	6
1997	Seismogenic Index of Underground Fluid Injections and Productions. Journal of Geophysical Research: Solid Earth, 2018, 123, 7983-7997.	1.4	22
1998	Squirt flow due to interfacial water films in hydrate bearing sediments. Solid Earth, 2018, 9, 699-711.	1.2	13
1999	Numerical Simulation of a Sandy Seabed Response to Water Surface Waves Propagating on Current. Journal of Marine Science and Engineering, 2018, 6, 88.	1.2	7
2000	An Analytical Model of Tumors With Higher Permeability Than Surrounding Tissues for Ultrasound Elastography Imaging. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2018, 1, .	0.3	4
2001	Numerical investigation of fluid-driven debonding fracture propagation along wellbore interfaces during hydraulic fracturing. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1215-1225.	1.2	9
2002	Dynamic Analysis of a Three-Dimensional Poroelastic Beam Using the Boundary-Element Method. Key Engineering Materials, 0, 769, 329-335.	0.4	0
2004	Wave-Induced Dynamic Response in a Poroelastic Seabed. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	13
2005	Water absorption and shrinkage behaviour of early-age cement in wellbore annulus. Journal of Petroleum Science and Engineering, 2018, 169, 205-219.	2.1	18
2006	Dynamic stress concentration in pre-stressed poroelastic media due to moving punch influenced by shear wave. Journal of Seismology, 2018, 22, 1263-1274.	0.6	10
2007	A Compact Upwind Flux With More Physical Insight for Wave Propagation in 3-D Poroelastic Media. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5794-5801.	2.7	20
2008	The influence of boundaries on sound insulation of the multilayered aerospace poroelastic composite structure. Aerospace Science and Technology, 2018, 80, 452-471.	2.5	47
2009	The method of fundamental solution for 3â€D wave scattering in a fluidâ€saturated poroelastic infinite domain. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 1866-1889.	1.7	8

#	Article	IF	CITATIONS
2010	Possibility of useful mechanical energy from noise: the solitary wave train problem in the granular chain revisited. Granular Matter, 2018, 20, 1.	1.1	4
2011	Modelling of waves in fluidâ€saturated porous media with high contrast heterogeneity: homogenization approach. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2018, 98, 1699-1733.	0.9	4
2012	Bayesian inference for the ultrasonic characterization of rigid porous materials using reflected waves by the first interface. Journal of the Acoustical Society of America, 2018, 144, 210-221.	0.5	14
2013	Dynamic wave responses near surface in unsaturated porous media. Advances in Water Resources, 2018, 119, 84-94.	1.7	6
2014	Evaluation of coupled porewater pressure and stress-strain constitutive model in granular soils. DYNA (Colombia), 2018, 85, 248-256.	0.2	1
2015	Pressure and pressure derivative interpretation for horizontal wells in compressible formations. Journal of Geophysics and Engineering, 2018, 15, 1551-1560.	0.7	4
2016	Volume integral equations of the scattering problem of poroelasticity and their properties. Mathematical Methods in the Applied Sciences, 2018, 41, 3605-3621.	1.2	0
2017	Introduction to Wave Propagation. , 2018, , 19-41.		0
2018	Petro-elastic modelling and characterization of solid-filled reservoirs: Comparative analysis on a Triassic North Sea reservoir. Journal of Applied Geophysics, 2018, 154, 29-36.	0.9	2
2019	Mathematical model of coupled dual chemical osmosis based on mixture-coupling theory. International Journal of Engineering Science, 2018, 129, 145-155.	2.7	15
2020	Seismic analysis of rigid walls retaining a cross-anisotropic poroelastic soil layer over bedrock. Soil Dynamics and Earthquake Engineering, 2018, 114, 615-624.	1.9	4
2021	A fast multipole accelerated indirect boundary element method for broadband scattering of elastic waves in a fluidâ€saturated poroelastic domain. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 2133-2160.	1.7	8
2022	An approach for predicting multi-support seismic underground motions in layered saturated soil under surface water. Soil Dynamics and Earthquake Engineering, 2018, 115, 104-118.	1.9	5
2023	Modelling of ground vibration from tunnels in a poroelastic half-space using a 2.5-D FE-BE formulation. Tunnelling and Underground Space Technology, 2018, 82, 211-221.	3.0	29
2024	Tuned liquid dampers with porous media. Ocean Engineering, 2018, 167, 55-64.	1.9	16
2025	The effect of water saturation on P-wave dispersion in a fractured porous medium with two immiscible fluids. Journal of Geophysics and Engineering, 2018, 15, 2556-2565.	0.7	5
2026	Nonlocal scale effect on Rayleigh wave propagation in porous fluid-saturated materials. International Journal of Mechanical Sciences, 2018, 148, 459-466.	3.6	15
2027	Finite element modelling of complex movements during self-sealing of ring incisions in leaves of Delosperma cooperi. Journal of Theoretical Biology, 2018, 458, 184-206.	0.8	14

#	Article	IF	CITATIONS
2028	Causality relations and mechanical interpretation of band-limited seismic attenuation. Geophysical Journal International, 2018, 215, 1622-1632.	1.0	5
2029	Seismic Dispersion and Attenuation in Saturated Porous Rock With Aligned Slit Cracks. Journal of Geophysical Research: Solid Earth, 2018, 123, 6890-6910.	1.4	36
2030	Numerical analysis of local strain measurements in fluid-saturated rock samples submitted to forced oscillations. Geophysics, 2018, 83, MR309-MR316.	1.4	9
2031	Discrete fracture model for simulating waterflooding processes under fracturing conditions. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 1445-1470.	1.7	18
2032	Poroelastic analysis on mesoscopic flow interactions in layered porous media. Journal of Applied Geophysics, 2018, 155, 78-92.	0.9	2
2033	Effect of pore connectivity on reflection amplitudes of an inhomogeneous wave in a composite porous solid saturated by two immiscible fluids. Journal of Earth System Science, 2018, 127, 1.	0.6	64
2034	Impact of fracture clustering on the seismic signatures of porous rocks containing aligned fractures. Geophysics, 2018, 83, MR295-MR308.	1.4	9
2035	Vertical impedance of a pile in layered saturated viscoelastic half-space considering radial inhomogeneity. Soil Dynamics and Earthquake Engineering, 2018, 112, 107-117.	1.9	16
2036	Initiation Pressure and Corresponding Initiation Mode of Drilling Induced Fracture in Pressure Depleted Reservoir. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	1.4	8
2037	Attenuation mechanisms in fractured fluidâ€saturated porous rocks: a numerical modelling study. Geophysical Prospecting, 2019, 67, 935-955.	1.0	32
2038	Accurate Jacobian Matrix Using the Exact Zoeppritz Equations and Effects on the Inversion of Reservoir Properties in Porous Media. Pure and Applied Geophysics, 2019, 176, 315-333.	0.8	4
2039	Torsional Waves in a Fiber Composite Medium at a Loosely Bonded Interface Constrained Between Dry Sandy Layer and Gravitating Poroelastic Substrate. International Journal of Computational Methods, 2019, 16, 1840030.	0.8	4
2040	An Analytical Poroelastic Model of a Nonhomogeneous Medium Under Creep Compression for Ultrasound Poroelastography Applications—Part I. Journal of Biomechanical Engineering, 2019, 141, .	0.6	6
2041	Mathematical Quantification of the Impact of Microstructure on the Various Effective Properties of Bones. , 2019, , 143-154.		0
2042	Effect of viscosity on pseudo-Scholte wave propagation at liquid/porous medium interface. Journal of the Acoustical Society of America, 2019, 146, 927-936.	0.5	2
2043	Seismic attenuation and dispersion in poroelastic media with fractures of variable aperture distributions. Solid Earth, 2019, 10, 1321-1336.	1.2	18
2044	A discontinuous Galerkin method for wave propagation in orthotropic poroelastic media with memory terms. Journal of Computational Physics, 2019, 397, 108865.	1.9	10
2045	On Variation Models of the Irreversible Processes in Mechanics of Solids and Generalized Hydrodynamics. Lobachevskii Journal of Mathematics, 2019, 40, 896-910.	0.1	4

#	Article	IF	CITATIONS
2046	Analysis of individual contribution of two compression Waves in vertical vibration of water-saturated soils. IOP Conference Series: Earth and Environmental Science, 2019, 218, 012017.	0.2	0
2047	Multifracture response to supercritical CO 2 â€ECS and waterâ€ECS based on thermoâ€hydroâ€mechanical coupling method. International Journal of Energy Research, 2019, 43, 7173.	2.2	11
2048	An Overview of Wellbore Methods of Investigating Stress State of the Upper Layers of the Earth's Crust. Izvestiya, Physics of the Solid Earth, 2019, 55, 311-326.	0.2	4
2049	A theoretical model on the influence of ring joint stiffness on dynamic responses from underground tunnels. Construction and Building Materials, 2019, 223, 69-80.	3.2	10
2050	A New Exact Solution for the Flow of a Fluid through Porous Media for a Variety of Boundary Conditions. Fluids, 2019, 4, 125.	0.8	34
2051	Experimental and elastoplastic model investigation on brittle-ductile transition and hydro-mechanical behaviors of cement mortar. Construction and Building Materials, 2019, 224, 19-28.	3.2	13
2052	A multiple relaxation interpretation of the extended Biot model. Journal of the Acoustical Society of America, 2019, 146, 330-339.	0.5	5
2053	Low-frequency pseudo-Rayleigh and pseudo-Scholte waves at an interface of liquid/soft porous sediment with underlying hard porous sediment substrate. Geophysical Journal International, 2019, 219, 540-552.	1.0	2
2054	Numerical manifold method for dynamic consolidation of saturated porous media with threeâ€field formulation. International Journal for Numerical Methods in Engineering, 2019, 120, 768-802.	1.5	25
2055	Dynamic interaction between multiple rigid strips and transversely isotropic poroelastic layer. Computers and Geotechnics, 2019, 114, 103144.	2.3	19
2056	Error Analysis on Normal Incidence Reflectivity Measurement and Geoacoustic Inversion of Ocean Surficial Sediment. , 2019, , .		0
2057	Physics and Simulation of Wave Propagation in Linear Thermoporoelastic Media. Journal of Geophysical Research: Solid Earth, 2019, 124, 8147-8166.	1.4	58
2058	Numerically quantifying energy loss caused by squirt flow. Geophysical Prospecting, 2019, 67, 2196-2212.	1.0	22
2059	A Brief Overview on Seismic Attenuation. , 2019, , .		0
2060	Saturation Hysteresis Effects on the Seismic Signatures of Partially Saturated Heterogeneous Porous Rocks. Journal of Geophysical Research: Solid Earth, 2019, 124, 11316-11335.	1.4	13
2061	Interaction of a normally-incident plane wave with a nonlinear poroelastic fracture. Journal of the Acoustical Society of America, 2019, 146, 1705-1720.	0.5	1
2062	Bayesian inference of a human bone and biomaterials using ultrasonic transmitted signals. Journal of the Acoustical Society of America, 2019, 146, 1629-1640.	0.5	3
2063	Effect of Dynamic Interaction of Two Neighboring Tunnels on Vibrations from Underground Railways in the Saturated Soil. KSCE Journal of Civil Engineering, 2019, 23, 4651-4661.	0.9	5

#	Article	IF	CITATIONS
2064	Closed form solution for free vibrations analysis of FGPM thick cylinders employing FSDT under various boundary conditions. Composite Structures, 2019, 229, 111403.	3.1	9
2065	Temperature measurement of stored biomass of different types and bulk densities using acoustic techniques. Fuel, 2019, 257, 115986.	3.4	5
2066	Land Surface Temperature Variation Following the 2017 Mw 7.3 Iran Earthquake. Remote Sensing, 2019, 11, 2411.	1.8	6
2067	Effects of non-uniform pore pressure field on hydraulic fracture propagation behaviors. Engineering Fracture Mechanics, 2019, 221, 106682.	2.0	27
2068	Evaluating liquefaction induced settlement of shallow foundation on layered soil deposit. SN Applied Sciences, 2019, 1, 1.	1.5	2
2070	An effective method for shear-wave velocity prediction in sandstones. Marine Geophysical Researches, 2019, 40, 655-664.	0.5	7
2071	Optimally graded porous material for broadband perfect absorption of sound. Journal of Applied Physics, 2019, 126, .	1.1	34
2072	Scattering of elastic waves by a 3-D inclusion in a poroelastic half space. Engineering Analysis With Boundary Elements, 2019, 108, 133-148.	2.0	2
2073	Estimating the material parameters of an inhomogeneous poroelastic plate from ultrasonic measurements in water. Journal of the Acoustical Society of America, 2019, 146, 2596-2607.	0.5	1
2074	1D finite element artificial boundary method for transient response of ocean site under obliquely incident earthquake waves. Soil Dynamics and Earthquake Engineering, 2019, 126, 105787.	1.9	24
2075	Effects of permeability conditions on time-dependent fracture of poroelastic media. Mechanics of Materials, 2019, 138, 103156.	1.7	1
2076	Tutorial: Source simulation for 3D poroelastic wave equations. Geophysics, 2019, 84, W33-W45.	1.4	4
2077	Analysis of ballistic waves in seismic noise monitoring of water table variations in a water field site: added value from numerical modelling to data understanding. Geophysical Journal International, 2019, 219, 1636-1647.	1.0	19
2078	Hydromechanical phenomena at the pore scale and their upscaling — Introduction. Geophysics, 2019, 84, WAi-WAii.	1.4	0
2079	Influence of upscaling on identification of reservoir fluid properties using seismic-scale elastic constants. Scientific Reports, 2019, 9, 13056.	1.6	1
2080	SH wave scattering by a frozen porous inclusion in fluid-saturated porous media using two approaches: wave function expansion and boundary element method. Geophysical Journal International, 2019, 219, 2187-2197.	1.0	2
2081	Dynamic FEM analyses on behavior of SCP improved ground with various geometry. Japanese Geotechnical Journal, 2019, 14, 161-178.	0.0	1
2082	Frequency and Consequences of Acute Kidney Injury in Patients With CKD: A Registry Study in Queensland Australia. Kidney Medicine, 2019, 1, 180-190.	1.0	7

		CITATION REP	ORT	
#	ARTICLE Overburden characterization with formation pore pressure and anisotropic stress field	estimation in	IF	Citations
2083	the Athabasca Basin, Canada. Interpretation, 2019, 7, T761-T771.		0.5	5
2084	Complex dynamics of fault zone deformation under large dam at various time scales. C and Geophysics for Geo-Energy and Geo-Resources, 2019, 5, 437-455.	eomechanics	1.3	4
2085	Numerical simulation of heat and moisture transfer in fibrous porous media dehydratio with ultrasound assisted. International Journal of Heat and Mass Transfer, 2019, 142, 1	n process 18443.	2.5	10
2086	Capturing the Shear and Secondary Compression Waves: High-Frame-Rate Ultrasound Saturated Foams. Physical Review Letters, 2019, 123, 148001.	Imaging in	2.9	4
2087	Acoustic properties of periodic micro-structures obtained by additive manufacturing. A Acoustics, 2019, 148, 322-331.	pplied	1.7	46
2088	Dynamic interaction between elastic plate and transversely isotropic poroelastic mediu of Conferences, 2019, 258, 05016.	ım. MATEC Web	0.1	0
2089	The effect of stress boundary conditions on fluidâ€driven fracture propagation in poro phaseâ€field modeling approach. International Journal for Numerical and Analytical Me Geomechanics, 2019, 43, 1316-1340.	us media using a thods in	1.7	23
2090	Scattering of a plane wave by shallow buried cylindrical lining in a poroelastic half-spac Mathematical Modelling, 2019, 70, 171-189.	e. Applied	2.2	14
2091	Hydrodynamic and seismic response to teleseismic waves of strong remote earthquake Acta Geophysica, 2019, 67, 1-16.	25 in Caucasus.	1.0	5
2092	Exploration of non-planar hydraulic fracture propagation behaviors influenced by pre-ex fractured and unfractured wells. Engineering Fracture Mechanics, 2019, 215, 83-98.	kisting	2.0	43
2093	Stresses Induced by a Moving Load in a Composite Structure with an Incompressible Pe Layer. Journal of Engineering Mechanics - ASCE, 2019, 145, 04019062.	proviscoelastic	1.6	14
2094	Investigating ground vibration induced by moving train loads on unsaturated ground u Soil Dynamics and Earthquake Engineering, 2019, 124, 72-85.	sing 2.5D FEM.	1.9	27
2095	2-D poroelastic wave modelling with a topographic free surface by the curvilinear grid finite-difference method. Geophysical Journal International, 2019, 218, 1961-1982.		1.0	13
2096	A unified poroviscoelastic model with mesoscopic and microscopic heterogeneities. Sc 2019, 64, 1246-1254.	ience Bulletin,	4.3	17
2097	The role of rheology in modelling elastic waves with gas bubbles in granular fluid-satura Journal of Mechanics of Materials and Structures, 2019, 14, 1-24.	ated media.	0.4	1
2098	Transient failure of a borehole excavated in a poroelastic continuum. Mechanics Resear Communications, 2019, 100, 103359.	rch	1.0	2
2100	Analysis for effects of complex fracture network geometries on heat extraction efficien multilateral-well enhanced geothermal system. Applied Thermal Engineering, 2019, 159	ecy of a 9, 113828.	3.0	40
2101	Simulation of spatially variable seismic underground motions in saturated double-phase overlying water excited by SV-wave and difference from P-wave incidence. Soil Dynamic Earthquake Engineering, 2019, 123, 144-161.	e media with cs and	1.9	13

		CITATION RE	PORT	
#	Article		IF	CITATIONS
2102	Wave-induced seabed response in shallow water. Applied Ocean Research, 2019, 89, 211	-223.	1.8	12
2103	Vertical impedance of a tapered pile in inhomogeneous saturated soil described by fraction viscoelastic model. Applied Mathematical Modelling, 2019, 75, 88-100.	bnal	2.2	25
2104	Effect of capillarity and relative permeability on Q anisotropy of hydrocarbon source rock Geophysical Journal International, 2019, 218, 1199-1209.	s.	1.0	7
2105	A comparative analysis due to the effect of point source on generation of SH wave. Journ System Science, 2019, 128, 1.	al of Earth	0.6	0
2106	Pore pressure generation in a poro-elastic soil under moving train loads. Soil Dynamics ar Earthquake Engineering, 2019, 125, 105711.	ıd	1.9	25
2107	Characterising poroelastic materials in the ultrasonic range - A Bayesian approach. Journa and Vibration, 2019, 456, 30-48.	l of Sound	2.1	8
2108	Viscoelastic substitute models for seismic attenuation caused by squirt flow and fracture Geophysics, 2019, 84, WA183-WA189.	leak off.	1.4	3
2109	Propagation of seismic waves in patchyâ€saturated porous media: doubleâ€porosity repr Geophysical Prospecting, 2019, 67, 2147-2160.	esentation.	1.0	6
2110	Fundamental solutions in 3D elastodynamics for the BEM: A review. Engineering Analysis Boundary Elements, 2019, 105, 47-69.	With	2.0	19
2111	Two-dimensional FM-IBEM solution to the broadband scattering of elastic waves in a fluic poroelastic half-space. Engineering Analysis With Boundary Elements, 2019, 104, 300-31	-saturated 9.	2.0	16
2112	Frequency-dependent energy attenuation and velocity dispersion in periodic layered med Geophysica, 2019, 67, 799-811.	ia. Acta	1.0	0
2113	Numerical study on heat extraction performance of a multilateral-well enhanced geother considering complex hydraulic and natural fractures. Renewable Energy, 2019, 141, 950-	nal system 963.	4.3	106
2114	An analytical poroelastic model of a spherical tumor embedded in normal tissue under cre compression. Journal of Biomechanics, 2019, 89, 48-56.	зер	0.9	18
2115	Simulation of Stoneley wave reflection from porous formation in borehole using FDTD mo Geophysical Journal International, 2019, 217, 2081-2096.	ethod.	1.0	10
2116	A discontinuous Galerkin method for seismic wave propagation in coupled elastic and po media. Geophysical Prospecting, 2019, 67, 1392-1403.	roelastic	1.0	17
2117	Elastic potential energy in linear poroelasticity. Geophysics, 2019, 84, W1-W20.		1.4	12
2118	Dynamic response of a segmented tunnel in saturated soil using a 2.5-D FE-BE methodolo Dynamics and Earthquake Engineering, 2019, 120, 386-397.	əgy. Soil	1.9	30
2119	Cavities and cracks subjected to pressure of injected fluid in poroelastic media. Internation of Engineering Science, 2019, 137, 73-91.	onal Journal	2.7	7

#	Article	IF	CITATIONS
2120	Thermoporoelasticity via homogenization: Modeling and formal two-scale expansions. International Journal of Engineering Science, 2019, 138, 1-25.	2.7	10
2121	Numerical investigation of multizone hydraulic fracture propagation in porous media: New insights from a phase field method. Journal of Natural Gas Science and Engineering, 2019, 66, 42-59.	2.1	25
2122	Dynamic responses of shallow buried composite cylindrical lining embedded in saturated soil under incident P wave based on nonlocal-Biot theory. Soil Dynamics and Earthquake Engineering, 2019, 121, 40-56.	1.9	10
2123	Phase-field modeling of fluid-driven dynamic cracking in porous media. Computer Methods in Applied Mechanics and Engineering, 2019, 350, 169-198.	3.4	202
2124	Periodic pile barriers for Rayleigh wave isolation in a poroelastic half-space. Soil Dynamics and Earthquake Engineering, 2019, 121, 75-86.	1.9	63
2125	Frequency-domain FD modeling with an adaptable nearly perfectly matched layer boundary condition for poroviscoelastic waves upscaled from the effective Biot theory. Geophysics, 2019, 84, WA59-WA70.	1.4	7
2126	Modeling wave propagation in cracked porous media with penny-shaped inclusions. Geophysics, 2019, 84, WA141-WA151.	1.4	23
2127	Dynamic 2.5D Green's Function for a Saturated Porous Medium. , 2019, , 69-111.		0
2128	2.5D FE–BE Model for the Prediction of Train-Induced Vibration From a Tunnel in Saturated Soil. , 2019, , 113-143.		0
2129	A multiscale method for wave propagation in 3D heterogeneous poroelastic media. Geophysics, 2019, 84, T237-T257.	1.4	0
2130	Closed-form solutions for one-dimensional consolidation in saturated soils under different waveforms of time-varying external loading. Journal of Hydrology, 2019, 573, 395-405.	2.3	7
2131	Unconventional Reservoir Management Modeling Coupling Diffusive Zone/Phase Field Fracture Modeling and Fracture Probability Maps. , 2019, , .		3
2132	Inverse identification of a higher order viscous parameter of rigid porous media in the high frequency domain. Journal of the Acoustical Society of America, 2019, 145, 1629-1639.	0.5	10
2133	Surface load dynamic solution of saturated transversely isotropic multilayer halfâ€ <b>s</b> pace. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 1655-1685.	1.7	24
2134	A Poroelastic Solution for Dynamics of Laterally Loaded Offshore Monopiles. Ocean Engineering, 2019, 179, 337-350.	1.9	27
2135	A 2.5D equivalent linear model for longitudinal seismic analysis of tunnels in water-saturated poroelastic half-space. Computers and Geotechnics, 2019, 109, 166-188.	2.3	16
2136	A Robust Method to Estimate the Time Constant of Elastographic Parameters. IEEE Transactions on Medical Imaging, 2019, 38, 1358-1370.	5.4	5
2137	A nodal discontinuous Galerkin finite element method for the poroelastic wave equation. Computational Geosciences, 2019, 23, 595-615.	1.2	11

#	Article	IF	CITATIONS
2138	Numerical investigation on heat extraction performance of a multilateral-well enhanced geothermal system with a discrete fracture network. Fuel, 2019, 244, 207-226.	3.4	107
2139	An Analysis of the Error Associated to Single and Double Exponential Approximations of Theoretical Poroelastic Models. Ultrasonic Imaging, 2019, 41, 94-114.	1.4	3
2140	Estimation of Fracture Compliance From Attenuation and Velocity Analysis of Fullâ€Waveform Sonic Log Data. Journal of Geophysical Research: Solid Earth, 2019, 124, 2738-2761.	1.4	28
2141	Effect of Clay and Mineralogy on Permeability. Pure and Applied Geophysics, 2019, 176, 2581-2594.	0.8	12
2142	3D dynamic soil-structure interaction in layered, fluid-saturated, poroelastic half-space. Soil Dynamics and Earthquake Engineering, 2019, 120, 113-126.	1.9	5
2143	Effect of rotation on wave propagation through a poroelastic wet bone with cavity. Multidiscipline Modeling in Materials and Structures, 2019, 16, 53-72.	0.6	1
2144	An Accurate Jacobian Matrix with Exact Zoeppritz for Elastic Moduli of Dry Rock. Applied Sciences (Switzerland), 2019, 9, 5485.	1.3	1
2145	A Macroscopic Analytical Model for Pressure Wave Propagation in the Water of a Variably Saturated Porous Medium. Vadose Zone Journal, 2019, 18, 190067.	1.3	4
2146	Experimental and theoretical studies of tumor growth. Journal of Micromechanics and Molecular Physics, 2019, 04, 1950004.	0.7	3
2147	Dynamic compliances of rigid foundation on layered poroelastic soils. IOP Conference Series: Materials Science and Engineering, 2019, 652, 012030.	0.3	0
2148	Solidification of Binary Alloys and Nonequilibrium Phase Transitions. Doklady Mathematics, 2019, 100, 571-576.	0.1	3
2149	Logarithmic stability of an inverse problem for Biot's consolidation system in poro-elasticity. Journal of Physics Communications, 2019, 3, 115022.	0.5	2
2150	Mechanical waves study in tri-materials bars having sinusoidally interfaces (i.e. Fiber-reinforced,) Tj ETQq0 0 0 rgE	T  Overloo 0.8	:k 10 Tf 50 2
2151	Numerical modeling of hydraulic fracture propagation behaviors influenced by pre-existing injection and production wells. Journal of Petroleum Science and Engineering, 2019, 172, 976-987.	2.1	58
2152	Analysis of radiation patterns for optimized full waveform inversion in fluid-saturated porous media. Geophysical Journal International, 2019, 216, 1919-1937.	1.0	8
2153	Numerical modelling of SH-wave propagation in initially-stressed multilayered composite structures. Engineering Computations, 2019, 36, 271-306.	0.7	2
2154	Theoretical study and applications of self-sensing supercapacitors under extreme mechanical effects. Extreme Mechanics Letters, 2019, 26, 53-60.	2.0	6
2155	Transient response of an infinite row of collinear Griffith cracks in a saturated porous medium. Theoretical and Applied Fracture Mechanics, 2019, 99, 205-216.	2.1	5

#	Article	IF	CITATIONS
2156	An Analytical Poroelastic Model of a Nonhomogeneous Medium Under Creep Compression for Ultrasound Poroelastography Applications—Part II. Journal of Biomechanical Engineering, 2019, 141, .	0.6	5
2157	Coupled thermo-hydro-mechanical modeling on well pairs in heterogeneous porous geothermal reservoirs. Energy, 2019, 171, 631-653.	4.5	57
2158	Quantifying interface responses with seismoelectric spectral ratios. Geophysical Journal International, 2019, 217, 108-121.	1.0	16
2159	Wave simulation in double-porosity media based on the Biot-Rayleigh theory. Geophysics, 2019, 84, WA11-WA21.	1.4	10
2160	A monolithic phase-field model of a fluid-driven fracture in a nonlinear poroelastic medium. Mathematics and Mechanics of Solids, 2019, 24, 1530-1555.	1.5	14
2161	Poroelastodynamic fundamental solutions of transversely isotropic half-plane. Computers and Geotechnics, 2019, 106, 52-67.	2.3	25
2162	Project Management and Engineering Research. Lecture Notes in Management and Industrial Engineering, 2019, , .	0.3	1
2163	Fully hydro-mechanical coupled Plug-in (SUB+) in FEFLOW for analysis of land subsidence due to groundwater extraction. SoftwareX, 2019, 9, 15-19.	1.2	13
2164	Influence of vertical shear stresses due to pile-soil interaction on lateral dynamic responses for offshore monopiles. Marine Structures, 2019, 64, 341-359.	1.6	22
2165	The role of porosity and solid matrix compressibility on the mechanical behavior of poroelastic tissues. Materials Research Express, 2019, 6, 035404.	0.8	24
2166	An experimental parametric study on the liquefaction resistance of sands in spreader dumps of lignite opencast mines. Soil Dynamics and Earthquake Engineering, 2019, 122, 290-309.	1.9	7
2167	Numerical Modeling and Simulation of Shale-Gas Transport with Geomechanical Effect. Transport in Porous Media, 2019, 126, 779-806.	1.2	5
2168	Frequency-domain seismic wave modelling in heterogeneous porous media using the mixed-grid finite-difference method. Geophysical Journal International, 2019, 216, 34-54.	1.0	6
2169	Investigation of the Optimum Height of Railway Embankments during Earthquake Based on Their Stability in Liquefaction. Journal of Earthquake Engineering, 2019, 23, 882-908.	1.4	7
2170	Three-dimensional dynamic response of multilayered poroelastic media. Marine Georesources and Geotechnology, 2019, 37, 424-437.	1.2	16
2171	A FE-IBE method for linearized nonlinear soil-tunnel interaction in water-saturated, poroelastic half-space: I. Methodology and numerical examples. Soil Dynamics and Earthquake Engineering, 2019, 120, 454-467.	1.9	15
2172	Effect of Irregularity on Torsional Surface Waves in an Initially Stressed Porous Layer Sandwiched Between Two Non-homogeneous Half-Spaces. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 171-183.	0.8	3
2173	Dynamic response of a large-diameter pile with variable section in layered saturated soil considering construction disturbance effect. Marine Georesources and Geotechnology, 2019, 37, 339-348.	1.2	11

#	Article	IF	CITATIONS
2174	Ultrasonic characterisation of particle retention by a double porosity medium. Environmental Technology (United Kingdom), 2019, 40, 1166-1177.	1.2	1
2175	Theoretical and Numerical Approach for Simulating Spatially Variable Seismic Underground Motions in Layered Saturated Media. Journal of Earthquake Engineering, 2020, 24, 601-627.	1.4	5
2176	Investigation of sand columns effect on stability of railway embankments overlaid on liquefiable foundations. Journal of Earthquake Engineering, 2020, 24, 845-868.	1.4	2
2177	Numerical modelling of waves in double-porosity Biot medium. Computers and Structures, 2020, 232, 105849.	2.4	7
2178	Numerical study of horizontal hydraulic fracture propagation in multi-thin layered reservoirs stimulated by separate layer fracturing. Geosystem Engineering, 2020, 23, 13-25.	0.7	2
2179	Integral equations of the crack problem of poroelasticity: Discretization by Gaussian approximating functions. International Journal of Solids and Structures, 2020, 184, 63-72.	1.3	3
2180	A porohyperelastic lubrication model for articular cartilage in the natural synovial joint. Tribology International, 2020, 149, 105760.	3.0	13
2181	Rocking vibrations of rigid foundations on multi-layered poroelastic media. Marine Georesources and Geotechnology, 2020, 38, 480-492.	1.2	8
2182	Scattering of plane monochromatic waves from a heterogeneous inclusion of arbitrary shape in a poroelastic medium: An efficient numerical solution. Wave Motion, 2020, 92, 102411.	1.0	5
2183	Reflection and Transmission of Plane Elastic Waves at an Interface Between Two Double-Porosity Media: Effect of Local Fluid Flow. Surveys in Geophysics, 2020, 41, 283-322.	2.1	30
2184	Petro-physics and Rock Physics of Carbonate Reservoirs. , 2020, , .		3
2185	Pressure diffusion wave and shear wave in gels with tunable wave propagation properties. Journal of the Mechanics and Physics of Solids, 2020, 134, 103736.	2.3	0
2186	Dynamics of fluids in layered porous media with anisotropic permeability under a point fluid source. European Journal of Mechanics, B/Fluids, 2020, 79, 324-331.	1.2	2
2187	Dynamic effect of a moving ring load on a cylindrical structure embedded in poroelastic space based on nonlocal Biot theory. Soil Dynamics and Earthquake Engineering, 2020, 128, 105897.	1.9	6
2188	Transient acoustic wave propagation in bone-like porous materials using the theory of poroelasticity and fractional derivative: a sensitivity analysis. Acta Mechanica, 2020, 231, 179-203.	1.1	7
2189	Vertical vibration of a pile in a double-layered stratum under the freezing and thawing processes of saturated porous media. Cold Regions Science and Technology, 2020, 169, 102891.	1.6	8
2190	Extended stiffness matrix method for horizontal vibration of a rigid disk embedded in stratified soils. Applied Mathematical Modelling, 2020, 77, 663-689.	2.2	13
2191	Evaluation of one-dimensional seismic site response due to liquefiable sub-layer. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2020, 173, 133-152.	0.9	2

#	Article	IF	CITATIONS
2192	Wave propagation in a transversely isotropic porous ocean bottom. Marine Georesources and Geotechnology, 2020, 38, 923-938.	1.2	2
2193	Vibration mitigation in saturated soil by periodic pile barriers. Computers and Geotechnics, 2020, 117, 103251.	2.3	40
2194	Modeling of Vehicle-Track-Tunnel-Soil System Considering the Dynamic Interaction between Twin Tunnels in a Poroelastic Half-Space. International Journal of Geomechanics, 2020, 20, .	1.3	10
2195	Low pressure dependent elasticity of porous ceramics. Journal of the American Ceramic Society, 2020, 103, 1312-1320.	1.9	4
2196	Seismic attenuation and dispersion in a cracked porous medium: An effective medium model based on poroelastic linear slip conditions. Mechanics of Materials, 2020, 140, 103229.	1.7	10
2197	Analysis on dynamic interfacial crack impacted by SH-wave in bi-material poroelastic strip. Composite Structures, 2020, 233, 111639.	3.1	27
2198	Dynamic stress intensity factor of a rectangular crack in an infinite saturated porous medium: Mode I problem. Engineering Fracture Mechanics, 2020, 223, 106737.	2.0	6
2199	Constitutive Modelling of Solid Continua. Solid Mechanics and Its Applications, 2020, , .	0.1	8
2200	Analysis of attenuation and dispersion of propagating wave due to the coexistence of three fluid phases in the pore volume. Geophysical Prospecting, 2020, 68, 657-677.	1.0	5
2201	Frequencyâ€dependent PP and PS reflection coefficients in fractured media. Geophysical Prospecting, 2020, 68, 926-940.	1.0	9
2202	Closed-Form Expressions of Plane-Wave Reflection and Transmission Coefficients at a Planar Interface of Porous Media with a Normal Incident Fast P-Wave. Pure and Applied Geophysics, 2020, 177, 2605-2617.	0.8	5
2203	Sound absorption performance of sustainable foam materials: Application of analytical and numerical tools for the optimization of forecasting models. Applied Acoustics, 2020, 161, 107166.	1.7	28
2204	Semi-analytical solution to the problem of frequency dependent anisotropy of porous media with an aligned set of slit cracks. International Journal of Engineering Science, 2020, 147, 103209.	2.7	15
2205	Dynamics anisotropy in a porous solid with aligned slit fractures. Journal of the Mechanics and Physics of Solids, 2020, 137, 103865.	2.3	14
2206	An accurate frequency-domain model for seismic responses of breakwater-seawater-seabed-bedrock system. Ocean Engineering, 2020, 197, 106843.	1.9	21
2207	Seismic-induced dynamic responses in a poro-elastic seabed: Solutions of different formulations. Soil Dynamics and Earthquake Engineering, 2020, 131, 106021.	1.9	42
2208	Local and global fluid-flow effects on dipole flexural waves. Geophysics, 2020, 85, D1-D11.	1.4	2
2209	Wave-Induced Dynamic Response and Liquefaction of Transversely Isotropic Seabed. International Journal of Geomechanics, 2020, 20, .	1.3	5

#	Article	IF	CITATIONS
2210	Seismic low-frequency amplitude analysis for identifying gas reservoirs within thinly layered media. Journal of Geophysics and Engineering, 2020, 17, 175-188.	0.7	7
2211	A weight-adjusted discontinuous Galerkin method for the poroelastic wave equation: Penalty fluxes and micro-heterogeneities. Journal of Computational Physics, 2020, 403, 109061.	1.9	21
2212	3D dynamic responses of a multi-layered transversely isotropic saturated half-space under concentrated forces and pore pressure. Applied Mathematical Modelling, 2020, 80, 859-878.	2.2	38
2213	Diffusion in deformable porous media: Incompressible flow limit and implications for permeability estimation from microseismicity. Geophysics, 2020, 85, A13-A17.	1.4	4
2214	Swelling clay minerals and containment risk assessment for the storage seal of the Peterhead CCS project. International Journal of Greenhouse Gas Control, 2020, 94, 102924.	2.3	12
2215	Force relaxation of a flat indenter on a poroviscoelastic half-space. International Journal of Solids and Structures, 2020, 190, 291-304.	1.3	2
2216	A generalized poroelastic model using FEniCS with insights into the Noordbergum effect. Computers and Geosciences, 2020, 135, 104399.	2.0	15
2217	FEM simulation on elastic parameters of porous silicon with different pore shapes. International Journal of Solids and Structures, 2020, 190, 238-243.	1.3	14
2218	2.5D scattering of obliquely incident seismic waves due to a canyon cut in a multi-layered TI saturated half-space. Soil Dynamics and Earthquake Engineering, 2020, 129, 105957.	1.9	7
2219	Vertical dynamic analysis of a rigid disk embedded in layered saturated soils with compressible fluid. Computers and Geotechnics, 2020, 119, 103347.	2.3	12
2220	An overview of the acoustic studies of bone-like porous materials, and the effect of transverse acoustic waves. International Journal of Engineering Science, 2020, 147, 103189.	2.7	13
2221	Vibration of layered saturated ground with a tunnel subjected to an underground moving load. Computers and Geotechnics, 2020, 119, 103342.	2.3	8
2222	An extension of Biot's theory with molecular influence based on mixture coupling theory: Mathematical model. International Journal of Solids and Structures, 2020, 191-192, 76-86.	1.3	7
2223	Time-harmonic response of transversely isotropic and layered poroelastic half-spaces under general buried loads. Applied Mathematical Modelling, 2020, 80, 426-453.	2.2	35
2224	Stress intensity factors of a Griffith crack in a porous medium subjected to a time-harmonic stress wave. Engineering Fracture Mechanics, 2020, 223, 106801.	2.0	7
2225	Impact of point source on fissured poroelastic medium: Green's function approach. Engineering Computations, 2021, 38, 1869-1894.	0.7	7
2226	Mechanics of Saturated Colloidal Packings: A Comparison of Two Models. Transport in Porous Media, 2020, 135, 457-486.	1.2	5
2227	Strain gradient nonlocal Biot poromechanics. International Journal of Engineering Science, 2020, 156, 103372.	2.7	19

#	Article	IF	CITATIONS
2228	Application of Biot's Poroelasticity to Seismic Analysis of Subway Stations in a Saturated Poroelastic Half-space: Effects of Viscous Coupling. Journal of Earthquake Engineering, 2020, , 1-22.	1.4	0
2229	Wave propagation in materials with double porosity. Mechanics of Materials, 2020, 149, 103558.	1.7	12
2230	Formulation of a constitutive model for three-phase porous materials and the skeleton stress. Soils and Foundations, 2020, 60, 1001-1010.	1.3	1
2231	Benchmarking wave equation solvers using interface conditions: the case of porous media. Geophysical Journal International, 2020, 224, 355-376.	1.0	2
2232	Seismically Induced Unclogging in Fluidâ€Saturated Faults. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020152.	1.4	4
2233	Applying Conservation of Energy to Estimate Earthquake Frequencies from Strain Rates and Stresses. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020186.	1.4	2
2234	A linear viscoelasticity for decadal to centennial time scale mantle deformation. Reports on Progress in Physics, 2020, 83, 106801.	8.1	23
2235	Seismic metasurfaces on porous layered media: Surface resonators and fluid-solid interaction effects on the propagation of Rayleigh waves. International Journal of Engineering Science, 2020, 154, 103347.	2.7	57
2236	A user-defined element for dynamic analysis of saturated porous media in ABAQUS. Computers and Geotechnics, 2020, 126, 103693.	2.3	8
2237	Error analysis on normal incidence reflectivity measurement and geoacoustic inversion of ocean surficial sediment properties. Continental Shelf Research, 2020, 201, 104123.	0.9	2
2238	Gassmann equation and replacement relations in micromechanics: A review. International Journal of Engineering Science, 2020, 154, 103344.	2.7	14
2239	Ocean Bottom Hydrodynamic Pressure due to Vertical Seismic Motion. International Journal of Geomechanics, 2020, 20, .	1.3	5
2240	Model for (De)Compaction and Porosity Waves in Porous Rocks Under Shear Stresses. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019683.	1.4	14
2241	Solution of dynamic boundary value problems for an elastic disk with double porosity. SN Applied Sciences, 2020, 2, 1.	1.5	0
2242	Wave-induced dynamic response in a transversely isotropic and multilayered poroelastic seabed. Soil Dynamics and Earthquake Engineering, 2020, 139, 106365.	1.9	13
2243	Study on the Stability of the Geogrids-Reinforced Earth Slope under the Coupling Effect of Rainfall and Earthquake. Mathematical Problems in Engineering, 2020, 2020, 1-11.	0.6	4
2244	Thermal and Acoustic Numerical Simulation of Foams for Constructions. , 2020, , .		0
2245	Numerical Modelling of Electroacoustic Logging Including Joule Heating. Mathematical Models and Computer Simulations, 2020, 12, 791-802.	0.1	0

#	Article	IF	CITATIONS
2246	Electrokinetic Contributions to Selfâ€Potential Signals From Magmatic Stressing. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009388.	1.0	2
2247	A nondestructive guided wave propagation method for the characterization of moisture-dependent viscoelastic properties of wood materials. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	1.3	27
2248	Riemann and Shock Waves in a Porous Liquid-Saturated Geometrically Nonlinear Medium. Journal of Engineering Physics and Thermophysics, 2020, 93, 1156-1162.	0.2	2
2249	Reflection of inhomogeneous waves at the surface of a cracked porous solid with penny-shaped inclusions. Waves in Random and Complex Media, 2022, 32, 1992-2013.	1.6	8
2250	Analytical Investigation of Transient Wave Propagation in One-Dimensional Unsaturated Poroelastic Materials. Shock and Vibration, 2020, 2020, 1-13.	0.3	0
2251	4D Travel-Time Tomography as a Tool for Tracking Fluid-Driven Medium Changes in Offshore Oil–Gas Exploitation Areas. Energies, 2020, 13, 5878.	1.6	7
2252	Developed Regime of Motion in Hydraulic Fracture in a Double-Porosity Medium. Journal of Engineering Physics and Thermophysics, 2020, 93, 1373-1386.	0.2	0
2253	Reflection of inhomogeneous plane waves at the surface of a thermo-poroelastic medium. Geophysical Journal International, 2020, 224, 1621-1639.	1.0	10
2254	Electro-acoustic excitation of the interface. Advances in Colloid and Interface Science, 2020, 283, 102217.	7.0	4
2255	On the hydraulic fracture of poroelastic media. International Journal of Engineering Science, 2020, 155, 103366.	2.7	7
2256	Scattering of elastic waves by a circular hole in the unsaturated soil. Soil Dynamics and Earthquake Engineering, 2020, 137, 106295.	1.9	2
2257	Train-Induced Vibrations from a Tunnel in a Layered Half-Space with Varied Groundwater Table. International Journal of Geomechanics, 2020, 20, .	1.3	3
2258	Experimental method for creep characterization of polymeric foam materials in media immersion. Mechanics of Time-Dependent Materials, 2020, 24, 421-433.	2.3	4
2259	Frequencyâ€Dependent <i>P</i> Wave Anisotropy Due to Waveâ€Induced Fluid Flow and Elastic Scattering in a Fluidâ€Saturated Porous Medium With Aligned Fractures. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020320.	1.4	17
2260	Seismic Signatures of Fractured Porous Rocks: The Partially Saturated Case. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019960.	1.4	10
2261	Earthquake response analysis of tunnels at a complex saturated site. European Journal of Environmental and Civil Engineering, 2022, 26, 3101-3119.	1.0	3
2262	Sound insulation of complex façades: A complete study combining different numerical approaches. Applied Acoustics, 2020, 169, 107484.	1.7	17
2263	Numerical modeling of mechanical wave propagation. Rivista Del Nuovo Cimento, 2020, 43, 459-514.	2.0	10

#	Article	IF	CITATIONS
2264	Seismic response of monopiles to vertical excitation in offshore engineering. Ocean Engineering, 2020, 216, 108120.	1.9	20
2265	Scattering of elastic wave from poroelastic inclusions located in a fluid. Waves in Random and Complex Media, 2022, 32, 1743-1757.	1.6	3
2266	Frequency response analysis of concrete seawall including soil-structure-seawater interaction. Soil Dynamics and Earthquake Engineering, 2020, 139, 106392.	1.9	1
2268	Seismicity and Stress Associated With a Fluidâ€Driven Fracture: Estimating the Evolving Geometry. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020190.	1.4	1
2269	Propagation characteristic of Love-type wave in different types of functionally graded piezoelectric layered structure. Waves in Random and Complex Media, 2020, , 1-23.	1.6	6
2270	Embedded discontinuity approach for coupled hydromechanical analysis of fractured porous media. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 1880-1902.	1.7	9
2271	Minor Squirt in Unconsolidated Sands versus Strong Squirt in Compressed Glass Beads. Geofluids, 2020, 2020, 1-8.	0.3	3
2272	Formation of Crack on Hydraulic Fracturing of Bed in a Medium with Double Porosity. Journal of Engineering Physics and Thermophysics, 2020, 93, 781-789.	0.2	3
2273	A viscoelastic model for seismic attenuation using fractal mechanical networks. Geophysical Journal International, 2020, 224, 1658-1669.	1.0	6
2274	Comment on "Accelerated Fillâ€Up of the Arbuckle Group Aquifer and Links to U.S. Midcontinent Seismicity―by Ansari et al. (2019). Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018348.	1.4	1
2275	Relationship between Aspect Ratio and Crack Density in Porous-Cracked Rocks Using Experimental and Optimization Methods. Applied Sciences (Switzerland), 2020, 10, 7147.	1.3	5
2276	Simulation of undrained quasi-saturated soil with pore pressure measurements using a discrete element (DEM) algorithm. Soils and Foundations, 2020, 60, 1097-1111.	1.3	12
2278	Tumor shapes effect on metastatic state: A theoretical derivation embedding thermodynamic laws. Chinese Journal of Physics, 2020, 68, 684-698.	2.0	3
2279	Q values and wave inhomogeneity parameters of reflected inhomogeneous P and S waves at the free surface of an effective Biot solid. Geophysical Journal International, 2020, 222, 919-939.	1.0	5
2280	Mathematical theory and simulations of thermoporoelasticity. Computer Methods in Applied Mechanics and Engineering, 2020, 366, 113048.	3.4	2
2281	Numerical investigation into ground treatment to mitigate the permanent train-induced deformation of pile-raft-soft soil system. Transportation Geotechnics, 2020, 24, 100368.	2.0	24
2282	P-wave attenuation and dispersion in a fluid-saturated rock with aligned rectangular cracks. Mechanics of Materials, 2020, 147, 103409.	1.7	9
2283	Wave Propagation in Two-Temperature Porothermoelasticity. International Journal of Thermophysics, 2020, 41, 1.	1.0	1

#	Article	IF	CITATIONS
2284	The role of microscale solid matrix compressibility on the mechanical behaviour of poroelastic materials. European Journal of Mechanics, A/Solids, 2020, 83, 103996.	2.1	23
2285	Mechatronics 4.0. Lecture Notes in Mechanical Engineering, 2020, , .	0.3	0
2286	Equations and fundamental characteristics of transverse waves propagating in fluid-saturated porous materials. International Journal of Engineering Science, 2020, 152, 103292.	2.7	5
2287	Computation of acoustic properties and design guidelines of periodic Biot-modeled foams. Applied Acoustics, 2020, 168, 107428.	1.7	13
2288	Seismoelectromagnetic effects associated with the 2017 February 15 Veracruz earthquake (MwÂ=Â4.8). Geophysical Journal International, 2020, 222, 1405-1422.	1.0	3
2289	Squirt-flow seismic dispersion models: a comparison. Geophysical Journal International, 2020, 222, 2068-2082.	1.0	13
2290	Experimental study on typical characteristics of borehole breathing under different pressure and rock type conditions. Journal of Natural Gas Science and Engineering, 2020, 77, 103241.	2.1	3
2291	Vibration mitigation in saturated soil by periodic in-filled pipe pile barriers. Computers and Geotechnics, 2020, 124, 103633.	2.3	26
2292	Vertical vibration of a rigid circular disc embedded in a transversely isotropic and layered poroelastic half-space. Engineering Analysis With Boundary Elements, 2020, 118, 84-95.	2.0	20
2293	Two-dimensional scattering of plane waves by irregularities in a multi-layered transversely isotropic saturated half-space. Engineering Analysis With Boundary Elements, 2020, 118, 169-187.	2.0	8
2294	The Effect of Mineral Dissolution on the Effective Stress Law for Permeability in a Tight Sandstone. Geophysical Research Letters, 2020, 47, e2020GL088346.	1.5	10
2295	Nonstationary vibration responses of a three-dimensional tunnel-soil system excited by moving stochastic loads. Computers and Geotechnics, 2020, 125, 103658.	2.3	6
2296	Dispersion of Love waves in prestressed double-layered medium over a gravitating half-space. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	3
2297	A frequency-dependent absorbing boundary condition for numerically solving u-U elastic wave equations in layered and fluid-saturated porous media. Soil Dynamics and Earthquake Engineering, 2020, 135, 106189.	1.9	9
2298	Nonmonotonic traveling waves in an unsaturated medium induced by a solid force and fluid mass sources. Advances in Water Resources, 2020, 142, 103633.	1.7	1
2299	Dynamic Green's Functions for an Anisotropic Multilayered Poroelastic Half-Space. Transport in Porous Media, 2020, 133, 293-312.	1.2	3
2300	Three-Dimensional Wave-Induced Dynamic Response in Anisotropic Poroelastic Seabed. Water (Switzerland), 2020, 12, 1465.	1.2	4
2301	Computation of dispersion diagrams for periodic porous materials modeled as equivalent fluids. Mechanical Systems and Signal Processing, 2020, 142, 106749.	4.4	18

	Сіт	ATION REPORT	
#	Article	IF	Citations
2302	Simulation of seismic wave propagation in poroelastic media using vectorized Biot's equations: an application to a CO\$\$_{2}\$\$ sequestration monitoring case. Acta Geophysica, 2020, 68, 435-444.	1.0	5
2303	Green's function of the Lord–Shulman thermo-poroelasticity theory. Geophysical Journal International, 2020, 221, 1765-1776.	1.0	22
2304	Frequencyâ€dependent dynamic behavior of a poroviscoelastic soil layer under cyclic loading. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 1336-1349.	1.7	8
2306	Dynamic response of a circular lined tunnel with an imperfect interface embedded in the unsaturated poroelastic medium under P wave. Computers and Geotechnics, 2020, 122, 103514.	2.3	12
2307	Modeling Approaches and Some Physical Considerations Concerning Thermodynamics and the Theory of Mixtures Applied to Time-Dependent Behaviors in Heterogeneous Materials. Experimental Mechanics 2020, 60, 591-609.	s, 1.1	3
2309	Basic Tools. , 2020, , 1-36.		0
2310	Elasticity and Hooke's Law. , 2020, , 37-120.		1
2311	Seismic Wave Propagation. , 2020, , 121-219.		0
2312	Effective Elastic Media: Bounds and Mixing Laws. , 2020, , 220-308.		0
2313	Granular Media. , 2020, , 309-366.		0
2314	Fluid Effects on Wave Propagation. , 2020, , 367-473.		0
2315	Empirical Relations. , 2020, , 474-524.		1
2316	Flow and Diffusion. , 2020, , 525-576.		0
2317	Electrical Properties. , 2020, , 577-612.		0
2320	Dynamic response and strength failure analysis of bottomhole under balanced drilling condition. Journal of Petroleum Science and Engineering, 2020, 194, 107561.	2.1	8
2321	Identification of Stress States in Compressed Masonry Walls Using a Non-Destructive Technique (NDT). Materials, 2020, 13, 2852.	1.3	11
2322	Underwater Noise Emission Due to Offshore Pile Installation: A Review. Energies, 2020, 13, 3037.	1.6	35
2323	Geometric variational approach to the dynamics of porous medium, filled with incompressible fluid. Acta Mechanica, 2020, 231, 3897-3924.	1.1	5

#	Article	IF	CITATIONS
2324	Aseismic Performance Analysis of Composite Lining Embedded in Saturated Poroelastic Half Space. International Journal of Geomechanics, 2020, 20, 04020156.	1.3	7
2325	Seismic Q of inhomogeneous plane waves in porous media. Geophysics, 2020, 85, T209-T224.	1.4	8
2326	Fracture mechanics approach to the problem of subsidence induced by resource extraction. Engineering Fracture Mechanics, 2020, 236, 107173.	2.0	8
2327	A rock-physics model to determine the pore microstructure of cracked porous rocks. Geophysical Journal International, 2020, 223, 622-631.	1.0	8
2328	Modeling Stress Deformed State Upon Contact with the Bodies of Two-Phase Microstructure. Solid State Phenomena, 0, 299, 124-129.	0.3	10
2329	Compliant-poroelastic lubrication in cartilage-on-cartilage line contacts. Tribology - Materials, Surfaces and Interfaces, 2020, 14, 151-165.	0.6	4
2330	Effective balance equations for poroelastic composites. Continuum Mechanics and Thermodynamics, 2020, 32, 1533-1557.	1.4	11
2331	Permeability inversion using induced microseismicity: A case study for the Longmaxi shale gas reservoir. Interpretation, 2020, 8, SG21-SG31.	0.5	1
2332	Phase field modeling of hydraulic fracture propagation in transversely isotropic poroelastic media. Acta Geotechnica, 2020, 15, 2599-2618.	2.9	39
2333	Fique fibres as a sustainable material for thermoacoustic conditioning. Applied Acoustics, 2020, 164, 107240.	1.7	12
2334	A squirt-flow theory to model wave anelasticity in rocks containing compliant microfractures. Physics of the Earth and Planetary Interiors, 2020, 301, 106450.	0.7	6
2335	Modeling Deep Excavations in OpenSees. , 2020, , .		3
2336	Variational Methods as Versatile Tools in Multidisciplinary Modeling and Computation. , 2020, , 298-326.		0
2337	Effects of Coupling Between Waveâ€Induced Fluid Flow and Elastic Scattering on <i>P</i> â€Wave Dispersion and Attenuation in Rocks With Aligned Fractures. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018685.	1.4	17
2338	A method for the observation of the anelastic behaviour of anisotropic porous materials using digital image correlation. Journal of Sound and Vibration, 2020, 474, 115244.	2.1	2
2339	Effective properties of a porous medium with aligned cracks containing compressible fluid. Geophysical Journal International, 2020, 221, 60-76.	1.0	14
2340	A parametric theory of isotropic consolidation for saturated geomaterials with compressible phases. Computers and Geotechnics, 2020, 121, 103371.	2.3	1
2341	Dynamic Green's functions for an anisotropic poroelastic halfâ€space. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 904-920.	1.7	7

#	ARTICLE	IF	CITATIONS
2342	Experimental and numerical investigations on hydro-mechanical properties of saturated fine-grained sandstone. International Journal of Rock Mechanics and Minings Sciences, 2020, 127, 104222.	2.6	14
2343	Coupled Thermo-Hydro-Mechanical Analysis of Valley Narrowing Deformation of High Arch Dam: A Case Study of the Xiluodu Project in China. Applied Sciences (Switzerland), 2020, 10, 524.	1.3	20
2344	Soil pressure and pore pressure for seismic design of tunnels revisited: considering water-saturated, poroelastic half-space. Earthquake Engineering and Engineering Vibration, 2020, 19, 17-36.	1.1	6
2345	Combination of double and single cyclic pressure alternation technique to increase CO <sub>2</sub> sequestration with heat mining in enhanced geothermal reservoirs by thermoâ€hydroâ€mechanical coupling method. International Journal of Energy Research, 2020, 44, 3478-3496.	2.2	6
2346	Nonlinear acceleration wave propagation in the DKM theory. Mechanics Research Communications, 2020, 104, 103482.	1.0	1
2347	Scattering of Plane <i>P</i> <sub>1</sub> Wave by an Inclusion in a Three-Dimension Poroelastic Half-Space. Mathematical Problems in Engineering, 2020, 2020, 1-16.	0.6	0
2348	Fracture analysis on an infinite row of collinear permeable cracks in a porous medium. Engineering Fracture Mechanics, 2020, 232, 107050.	2.0	4
2349	Rayleigh, Love and Stoneley waves in a transversely isotropic saturated poroelastic media by means of potential method. Soil Dynamics and Earthquake Engineering, 2020, 134, 106139.	1.9	9
2350	Dynamic response of an irregular heterogeneous anisotropic poroelastic composite structure due to normal moving load. Acta Mechanica, 2020, 231, 2303-2321.	1.1	11
2351	Fully-automated adaptive mesh refinement for media embedding complex heterogeneities: application to poroelastic fluid pressure diffusion. Computational Geosciences, 2020, 24, 1101-1120.	1.2	13
2352	Influence of drilling fluid temperature on borehole shrinkage during drilling operation in cold regions. Journal of Petroleum Science and Engineering, 2020, 190, 107050.	2.1	10
2353	An Ontology Framework for Pile Integrity Evaluation Based on Analytical Methodology. IEEE Access, 2020, 8, 72158-72168.	2.6	36
2354	Vertical vibration of a circular foundation in a transversely isotropic poroelastic soil. Computers and Geotechnics, 2020, 122, 103550.	2.3	29
2355	Frequency-dependent anisotropy due to two orthogonal sets of mesoscale fractures in porous media. Geophysical Journal International, 2020, 221, 1450-1467.	1.0	4
2356	Effect of Subsurface Microseisms on the Motion of Dispersed Droplets in Pores. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018783.	1.4	2
2357	Seismoelectric numerical simulation in 2D vertical transverse isotropic poroelastic medium. Geophysical Prospecting, 2020, 68, 1927-1943.	1.0	9
2358	3D seismic responses of a long lined tunnel in layered poro-viscoelastic half-space by a hybrid FE-BE method. Engineering Analysis With Boundary Elements, 2020, 114, 94-113.	2.0	7
2359	Formulation and validation of the shift cell technique for acoustic applications of poro-elastic materials described by the Biot theory. Mechanical Systems and Signal Processing, 2021, 147, 107089.	4.4	11

#	Article	IF	Citations
2360	Numerical simulation of the seismic wave propagation and fluid pressure in complex porous media at the mesoscopic scale. Waves in Random and Complex Media, 2021, 31, 207-227.	1.6	2
2361	Semi-analytical solution of nonlinear dynamic behaviour for fully saturated porous media. European Journal of Environmental and Civil Engineering, 2021, 25, 264-280.	1.0	4
2362	Parametric study of fracture interference effects on fracture geometry for wellbore strengthening. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 1029-1046.	1.2	3
2363	Mathematical modeling of consolidation in unsaturated poroelastic soils under fluid flux boundary conditions. Journal of Hydrology, 2021, 595, 125671.	2.3	7
2364	Dynamic response of saturated multilayered soils with elastic superstrata subjected to vertical impulsive loadings. Applied Mathematical Modelling, 2021, 91, 875-891.	2.2	4
2365	Extended precise integration solution to layered transversely isotropic unsaturated poroelastic media under harmonically dynamic loads. Engineering Analysis With Boundary Elements, 2021, 122, 21-34.	2.0	19
2366	Poroelastic theory of consolidation for a two-layer system with an upper unsaturated soil and a lower saturated soil under fully permeable boundary conditions. Journal of Hydrology, 2021, 596, 125700.	2.3	8
2367	Vertical-rocking-horizontal vibrations of a rigid disk resting on multi-layered soils with groundwater level. Applied Mathematical Modelling, 2021, 89, 1491-1516.	2.2	4
2368	Structure design of weight-on-bit self-adjusting PDC bit based on stress field analysis and experiment evaluation. Journal of Petroleum Science and Engineering, 2021, 196, 107692.	2.1	7
2369	Modeling interactions of natural and two-phase fluid-filled fracture propagation in porous media. Computational Geosciences, 2021, 25, 731-755.	1.2	14
2370	Effects of lateral-well geometries on multilateral-well EGS performance based on a thermal-hydraulic-mechanical coupling model. Geothermics, 2021, 89, 101939.	1.5	22
2371	An anisotropic layered poroelastic half-space subjected to a moving point load. Soil Dynamics and Earthquake Engineering, 2021, 140, 106427.	1.9	6
2372	Seismic dispersion and attenuation in layered porous rocks with fractures of varying orientations. Geophysical Prospecting, 2021, 69, 220-235.	1.0	2
2373	Longitudinal dispersion coefficients of submerged vegetation flow under the effect of surface wind. Environmental Science and Pollution Research, 2021, 28, 12817-12830.	2.7	1
2374	Mandel's problem reloaded. Journal of Sound and Vibration, 2021, 492, 115785.	2.1	9
2375	Homogeneous media with external and internal field sources. , 2021, , 7-49.		0
2376	Volume and surface integral equations for physical fields in heterogeneous media. , 2021, , 51-102.		0
2377	Seismic time–frequency analysis as a robust method to estimate the fluid saturation: A case study of carbonates reservoir, Iran. Geophysical Prospecting, 2021, 69, 236-249.	1.0	3

#	Article	IF	CITATIONS
2378	A wave propagation model with the Biot and the fractional viscoelastic mechanisms. Science China Earth Sciences, 2021, 64, 364-376.	2.3	19
2379	Thermoelastic waves in double porosity materials. European Journal of Mechanics, A/Solids, 2021, 86, 104177.	2.1	6
2380	Potential for geothermal heat mining by analysis of the numerical simulation parameters in proposing enhanced geothermal system at bongor basin, chad. Simulation Modelling Practice and Theory, 2021, 107, 102218.	2.2	7
2381	Fragility assessment of non-ductile RC frame buildings exposed to combined ground shaking and soil liquefaction considering SSI. Engineering Structures, 2021, 229, 111629.	2.6	16
2382	Stability of discrete schemes of Biot's poroelastic equations. Geophysical Journal International, 2021, 225, 354-377.	1.0	8
2383	The stability of poro-elastic wave equations in saturated porous media. Acta Geophysica, 2021, 69, 65-75.	1.0	4
2384	Winkler springs for axial response of suction bucket foundations in cohesionless soil. Soils and Foundations, 2021, 61, 64-79.	1.3	10
2385	Biot effective stress parameter in poroelastic anisotropic media: Static and dynamic case. Geophysical Prospecting, 2021, 69, 530-541.	1.0	3
2386	A new quantitative model and application for overpressure prediction in carbonate formation. Journal of Petroleum Science and Engineering, 2021, 198, 108145.	2.1	2
2387	Biot-pressure system with unilateral displacement constraints. Journal of Mathematical Analysis and Applications, 2021, 497, 124882.	0.5	3
2388	Implications of the principle of effective stress. Acta Geotechnica, 2021, 16, 1939-1947.	2.9	8
2389	Comprehensive assessment of bioactive glass and glass-ceramic scaffold permeability: experimental measurements by pressure wave drop, modelling and computed tomography-based analysis. Acta Biomaterialia, 2021, 119, 405-418.	4.1	21
2390	Dynamic analysis of multilayered unsaturated poroelastic media subjected to a vertical time-harmonic load. Applied Mathematical Modelling, 2021, 90, 394-412.	2.2	26
2391	Vertical Vibration Analysis of a Pile Group in Multilayered Poroelastic Soils with Compressible Constituents. International Journal of Geomechanics, 2021, 21, 04020232.	1.3	5
2392	Dependence of borehole shearâ€horizontalâ€wave seismoelectric response on soil textures. Geophysical Prospecting, 2021, 69, 250-266.	1.0	4
2393	Biot's coefficient determination of carbonate reservoir rocks by using static and dynamic experimental tests at ambient and reservoir temperatures - A case study from Iran carbonate field. Journal of Petroleum Science and Engineering, 2021, 196, 108061.	2.1	2
2394	On the contact law of open-cell poro-granular materials. International Journal of Solids and Structures, 2021, 208-209, 83-92.	1.3	3
2395	Love-Type Wave Propagation in an Inhomogeneous Cracked Porous Medium Loaded by Heterogeneous Viscous Liquid Layer. Journal of Vibration Engineering and Technologies, 2021, 9, 433-448.	1.3	14

	СПАПС	IN REPORT	
#	Article	IF	Citations
2396	The influence of coupled physical swelling and chemical reactions on deformable geomaterials. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 64-82.	1.7	6
2397	Hydraulic Fracture Problem for Poroelastic Medium with Double Porosity. Innovation and Discovery in Russian Science and Engineering, 2021, , 219-231.	0.2	Ο
2398	Reflection and transmission of plane waves at an interface separating two poro-viscoelastic materials with continuity and elastic consistence. Geophysical Journal International, 2021, 225, 829-845.	1.0	5
2400	Wave Simulation in Partially Saturated Porothermoelastic Media. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	3
2401	Linear acoustics in fluids and solids and variational formulations. , 2021, , 117-156.		0
2402	Plane longitudinal waves in a fluid-saturated porous medium with a nonlinear relationship between deformations and displacements of the liquid phase. Computational Continuum Mechanics, 2021, 14, 5-11.	0.1	1
2403	Generalized Thermo-poroelasticity Equations and Wave Simulation. Surveys in Geophysics, 2021, 42, 133-157.	2.1	16
2404	Exact Solution for the Torsional Vibration of an Elastic Pile in a Radially Inhomogeneous Saturated Soil. Journal of Mathematics, 2021, 2021, 1-12.	0.5	0
2406	Spatiotemporal Evolution Characteristics and Transfer Law of Land Subsidence in Sand-Clay Interbed Caused by Exploiting the Groundwater. Arabian Journal for Science and Engineering, 2021, 46, 5733-5753.	1.7	6
2407	Wave Propagation Characteristics in Gas Hydrate-Bearing Sediments and Estimation of Hydrate Saturation. Energies, 2021, 14, 804.	1.6	8
2408	Time-Harmonic Response of an Elastic Pile in a Radially Inhomogeneous Poroelastic Medium. Mathematical Problems in Engineering, 2021, 2021, 1-14.	0.6	0
2409	Diffraction of elastic waves by a fluid-filled crack in a fluid-saturated poroelastic half-space. Geophysical Journal International, 2021, 225, 1530-1553.	1.0	4
2410	Inversion of reservoir fluid mobility from frequency-dependent seismic data — A case study of gas-bearing reservoirs. Interpretation, 2021, 9, T201-T212.	0.5	2
2411	Variations in ultrasonic wave velocities of Miocene carbonate and clastic sedimentary rocks under dry and fully water saturated conditions. Environmental Earth Sciences, 2021, 80, 1.	1.3	2
2412	Effect of local fluid flow and loose boundary on wave propagation through interface between double porosity solid and cracked elastic solid. Waves in Random and Complex Media, 2023, 33, 567-589.	1.6	1
2414	Attenuation and dispersion of P-waves in fluid-saturated porous rocks with a distribution of coplanar cracks $\hat{a} \in$ "Scattering approach. Geophysics, 2021, 86, MR81-MR93.	1.4	4
2415	Finite difference modeling of shear wave propagation in multilayered fractured porous structures. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	6
2416	Heat Transfer Due to Thermoelastic Wave Propagation in a Porous Rod. Journal of Heat Transfer, 2021, 143, .	1.2	1

#	Article	IF	CITATIONS
2417	Negative Unjacketed Pore Modulus in Limestones? Critical Examination of a Peculiar Laboratory Observation. Journal of Geophysical Research: Solid Earth, 2021, 126, .	1.4	1
2418	Theoretical analysis and numerical simulation of acoustic waves in gas hydrate-bearing sediments*. Chinese Physics B, 2021, 30, 024301.	0.7	4
2419	Scattering problems for a rectangular crack in a saturated porous material: application of the Chebyshev's functions. Waves in Random and Complex Media, 0, , 1-30.	1.6	0
2420	HVSR analysis of a layered saturated half-space using diffuse-field theory. Geophysical Journal International, 2021, 226, 270-286.	1.0	3
2421	An analytical solution for self-weight consolidation based on one-dimensional small-strain consolidation wave theory. Geotechnique, 2022, 72, 583-595.	2.2	2
2422	Seismic Methods to Predict and Detect Geopressure. , 2021, , 218-280.		0
2423	Fragility curves of non-ductile RC frame buildings on saturated soils including liquefaction effects and soil–structure interaction. Bulletin of Earthquake Engineering, 2021, 19, 6443-6468.	2.3	11
2424	Stability analysis-based reformulation of wave equations for poro-elastic media saturated with two fluids. Geophysical Journal International, 2021, 226, 327-344.	1.0	2
2426	A semiâ€implicit material point method based on fractionalâ€step method for saturated soil. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1405-1436.	1.7	37
2427	Combined geophysical and rock physics workflow for quantitative CO2 monitoring. International Journal of Greenhouse Gas Control, 2021, 106, 103217.	2.3	12
2428	Recent Advances in Geopressure Prediction and Detection Technology and the Road Ahead. , 2021, , 479-490.		0
2430	Integrating Seismic Imaging, Rock Physics, and Geopressure. , 2021, , 281-309.		0
2431	Theory of Effective Stress in Soil and Rock and Implications for Fracturing Processes: A Review. Geosciences (Switzerland), 2021, 11, 119.	1.0	17
2432	Identification of gas hydrate based on velocity cross plot analysis. Marine Geophysical Researches, 2021, 42, 1.	0.5	3
2433	Sufficient conditions for hyperbolicity and consistency of the dynamic equations for fluid-saturated solids. Archive of Applied Mechanics, 2021, 91, 2569-2579.	1.2	4
2435	Basic Pressure Concepts and Definitions. , 2021, , 1-31.		0
2436	Quantitative Geopressure Analysis Methods. , 2021, , 130-217.		0
2437	Geopressure Detection and Prediction in Real Time. , 2021, , 348-367.		0

#	Article	IF	CITATIONS
2438	Guidelines for Best Practices. , 2021, , 452-478.		0
2439	Geohazard Prediction and Detection. , 2021, , 392-420.		0
2440	Mechanisms of Geopressure. , 2021, , 84-129.		0
2441	Mathematical Model of Destruction of a Thermoporoelastic Medium. Journal of Engineering Physics and Thermophysics, 2021, 94, 365-376.	0.2	1
2442	Confirmation and Perfection of Carcione–Leclaire Three-Phase Theory. Journal of Theoretical and Computational Acoustics, 2022, 30, .	0.5	1
2443	Geopressure Prediction Using Basin History Modeling. , 2021, , 368-391.		0
2444	Methods for Pore Pressure Detection. , 2021, , 310-337.		0
2445	Wave Equations of Porous Media Saturated With Two Immiscible Fluids Based on the Volume Averaging Method. Frontiers in Earth Science, 2021, 9, .	0.8	2
2446	Basic Continuum Mechanics and Its Relevance to Geopressure. , 2021, , 32-83.		0
2448	Analysis of pore collapse and shear-enhanced compaction in hydrocarbon reservoirs using coupled poro-elastoplasticity and permeability. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	4
2449	Wave Propagation in Infinitupleâ€Porosity Media. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021266.	1.4	38
2450	Lateral dynamic response of pile group embedded in unsaturated soil. Soil Dynamics and Earthquake Engineering, 2021, 142, 106559.	1.9	23
2451	Petroleum Geomechanics and the Role of Geopressure. , 2021, , 421-451.		0
2452	Gravity and EM Field Methods Aiding Pore Pressure Prediction. , 2021, , 338-347.		0
2453	Bio-Inspired Design of a Porous Resorbable Scaffold for Bone Reconstruction: A Preliminary Study. Biomimetics, 2021, 6, 18.	1.5	23
2454	The Mechanical Response of a Magma Chamber With Poroviscoelastic Crystal Mush. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB019395.	1.4	17
2455	Lateral free-field responses and kinematic interaction of monopiles to obliquely incident seismic waves in offshore engineering. Computers and Geotechnics, 2021, 132, 103956.	2.3	5
2456	Analytical Model for Vertical Dynamic Interaction between Circular Raft and Saturated Soils. International Journal of Geomechanics, 2021, 21, 06021005.	1.3	3

#	Article	IF	CITATIONS
2457	Surface waves in nonlocal transversely isotropic liquid-saturated porous solid. Archive of Applied Mechanics, 2021, 91, 2881-2892.	1.2	9
2458	Dynamic Response of an Inhomogeneous Elastic Pile in a Multilayered Saturated Soil to Transient Torsional Load. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	0
2459	Transient response of an infinite row of parallel cracks in a saturated porous medium. Theoretical and Applied Fracture Mechanics, 2021, 112, 102819.	2.1	0
2460	On the spectral changes of seismic wave energy by a partially saturated crack due to the hysteresis of liquid bridges phenomenon. Geophysics, 2021, 86, MR133-MR147.	1.4	5
2461	Seismic Wave Attenuation and Dispersion Due to Partial Fluid Saturation: Direct Measurements and Numerical Simulations Based on Xâ€Ray CT. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021643.	1.4	19
2462	Effect of interfacial imperfections on SH-wave propagation in a porous piezoelectric composite. Mechanics of Advanced Materials and Structures, 2022, 29, 4008-4018.	1.5	17
2463	Temperature, differential pressure, and porosity inversion for ultradeep carbonate reservoirs based on 3D rock-physics templates. Geophysics, 2021, 86, M77-M89.	1.4	12
2464	Frequency-dependent anisotropy in porous rocks with aligned cracks containing compressible fluid–a model based on poroelastic spring condition and exact solution of scattering by a circular crack at oblique incidence. Geophysical Journal International, 2021, 226, 1105-1129.	1.0	6
2465	Extended Gassmann equation with dynamic volumetric strain: Modeling wave dispersion and attenuation of heterogeneous porous rocks. Geophysics, 2021, 86, MR149-MR164.	1.4	20
2466	Fractures in Lowâ€Permeability Rocks: Can Poroelastic Effects Associated With Damage Zones Enhance Their Seismic Visibility?. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021155.	1.4	3
2467	Estimates of Individual Fracture Compliances Along Boreholes From Fullâ€Waveform Sonic Log Data. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022015.	1.4	6
2468	Landslide monitoring using seismic ambient noise correlation: challenges and applications. Earth-Science Reviews, 2021, 216, 103518.	4.0	46
2469	Modeling the effects of fracture infill on frequency-dependent anisotropy and AVO response of a fractured porous layer. Petroleum Science, 2021, 18, 758.	2.4	1
2470	Dynamic responses of unsaturated half-space soils to a strip load at different boundary conditions. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	7
2471	Influence of Deformations on the Filtration Coefficient of Materials. Materials Science Forum, 0, 1031, 154-159.	0.3	0
2472	Effect of base shear and moment on lateral dynamic behavior of monopiles. Ocean Engineering, 2021, 228, 108957.	1.9	6
2473	Evolution of Meniscal Biomechanical Properties with Growth: An Experimental and Numerical Study. Bioengineering, 2021, 8, 70.	1.6	6
2474	Coupled thermo-hydro-mechanical response of saturated asphalt pavement. Construction and Building Materials, 2021, 283, 122771.	3.2	13

#	Article	IF	CITATIONS
2475	Vertical Dynamic Response of Rigid Circular Foundation in Multilayered Transversely Isotropic Poroelastic Half-Space. International Journal of Structural Stability and Dynamics, 2021, 21, 2150124.	1.5	9
2476	Vertical–Horizontal–Rocking Vibrations of Rigid Foundations of Arbitrary Shape on Poroelastic Layer. Journal of Vibration Engineering and Technologies, 0, , 1.	1.3	1
2477	An integrated numerical visualization teaching approach for an undergraduate course,ÂFlow in Porous Media: An attempt towardÂsustainable engineering education. Computer Applications in Engineering Education, 2021, 29, 1836-1856.	2.2	7
2478	Fault Triggering Mechanisms for Hydraulic Fracturing-Induced Seismicity From the Preston New Road, UK Case Study. Frontiers in Earth Science, 2021, 9, .	0.8	10
2479	Applicability of a proposed groundwater level determination approach for the Kâ€NET in Japan. Near Surface Geophysics, 2021, 19, 447-463.	0.6	1
2480	A porothermoelasticity theory for anisotropic medium. Continuum Mechanics and Thermodynamics, 2021, 33, 2515-2532.	1.4	1
2481	Dispersion of Elastic Waves Propagating in a Fluid-Saturated Porous Medium with Cavities. Journal of Physics: Conference Series, 2021, 1945, 012073.	0.3	1
2482	Resolving Wave Propagation in Anisotropic Poroelastic Media Using Graphical Processing Units (GPUs). Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021175.	1.4	12
2483	Vehicle–track–tunnel dynamic interaction: a finite/infinite element modelling method. Railway Engineering Science, 2021, 29, 109-126.	2.7	26
2484	A Discontinuous Galerkin Method for Three-Dimensional Poroelastic Wave Propagation: Forward and Adjoint Problems. Computational Methods and Function Theory, 2021, 21, 737-777.	0.8	0
2485	Seismic responses to an earthquake source in stratified transversely isotropic porous media. Geophysical Prospecting, 2021, 69, 1336-1357.	1.0	3
2486	Seismic signatures reveal persistence of soil compaction. Vadose Zone Journal, 2021, 20, e20140.	1.3	11
2487	On the Common Features of Reservoir Water-Level Variations and Their Influence on Earthquake Triggering: An Inherency of Physical Mechanism of Reservoir-Triggered Seismicity. Bulletin of the Seismological Society of America, 2021, 111, 2720-2732.	1.1	6
2488	On the dynamic response of a poroelastic medium subjected to a moving load based on nonlocal Biot theory. Computers and Geotechnics, 2021, 134, 104118.	2.3	5
2489	Diffuse interface approach to modeling wavefields in a saturated porous medium. Applied Mathematics and Computation, 2021, 398, 125978.	1.4	3
2490	On the theory of Biot-patchy-squirt mechanism for wave propagation in partially saturated double-porosity medium. Physics of Fluids, 2021, 33, .	1.6	7
2491	Fundamental solutions to the transversely isotropic poroelastodynamics Mandel's problem. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 2260-2283.	1.7	4
2492	Variational principle and reciprocity theorem on the temperature-rate-dependent poro-thermoelasticity theory. Acta Mechanica, 2021, 232, 3655-3667.	1.1	1

#	Article	IF	CITATIONS
2493	FRACTAL TREELIKE FRACTURE NETWORK MODEL FOR HYDRAULICALLY AND MECHANICALLY INDUCED DYNAMIC CHANGES IN THE NON-DARCY COEFFICIENT DURING THE PROCESS OF MINE WATER INRUSH FROM COLLAPSED COLUMNS. Fractals, 2021, 29, .	1.8	3
2494	The reflection and transmission of waves at an imperfect interface between two nonlocal transversely isotropic liquid-saturated porous half-spaces. Waves in Random and Complex Media, 0, , 1-17.	1.6	4
2495	Nonlocal thermo-hydro-mechanical (THM) coupling dynamic response of saturated porous thermoelastic media with temperature-dependent physical properties. Waves in Random and Complex Media, 0, , 1-23.	1.6	4
2496	Homogenized Balance Equations for Nonlinear Poroelastic Composites. Applied Sciences (Switzerland), 2021, 11, 6611.	1.3	12
2497	Study on Reservoir Internal Stress Variation and Mud Shale Horizontal Section Slippage Induced by Interregional Pore Pressure Based on Stick-Slip Theory. Chemistry and Technology of Fuels and Oils, 2021, 57, 541-551.	0.2	0
2498	Existence and uniqueness of solutions of thermo-poroelasticity. Journal of Mathematical Analysis and Applications, 2021, 499, 124907.	0.5	4
2499	A three-dimensional coupled thermo-hydro-mechanical numerical model with partially bridging multi-stage contact fractures in horizontal-well enhanced geothermal system. International Journal of Rock Mechanics and Minings Sciences, 2021, 143, 104787.	2.6	39
2500	Impedance loading an acoustic source in a borehole located in a fluidâ€saturated porous medium. Geophysical Prospecting, 2021, 69, 1531-1541.	1.0	1
2501	Elastic waves propagation through a liquid-saturated poroelastic interlayer based on the fractional viscoelastic BISQ model. Waves in Random and Complex Media, 0, , 1-29.	1.6	1
2502	Double poroelasticity derived from the microstructure. Acta Mechanica, 2021, 232, 3801-3823.	1.1	6
2503	Runge-Kutta discontinuous Galerkin method for solving wave equations in 2D isotropic and anisotropic poroelastic media at low frequencies. Geophysics, 2021, 86, T261-T275.	1.4	8
2504	Surface wave scattering analysis in an initially stressed stratified media. Engineering Computations, 2021, 38, 3153-3173.	0.7	1
2505	Coupled thermoâ€hydroâ€mechanical analysis of reinforced concrete beams under the effect of frost damage and sustained load. Structural Concrete, 2021, 22, 3430-3445.	1.5	5
2506	On the seismic response of a periodic sequence of three thin layers saturated by two-phase fluids. Geophysics, 2021, 86, T401-T410.	1.4	1
2507	On wave transmission in saturated soil system separated by a nonlinear isolated layer. Computers and Geotechnics, 2021, 136, 104211.	2.3	0
2508	A rock physics analysis based on inversion of poroelastic Brown and Korringa parameters in Vaca Muerta shale: Theoretical aspects and applications. Journal of Petroleum Science and Engineering, 2021, 203, 108615.	2.1	1
2509	Frequencyâ€dependent seismic properties in layered and fractured rocks with partial saturation. Geophysical Prospecting, 2021, 69, 1716.	1.0	2
2510	3D finite-element modeling of effective elastic properties for fracture density and multiscale natural fractures. Journal of Geophysics and Engineering, 2021, 18, 567-582.	0.7	5

#	Article	IF	CITATIONS
2511	Effects of confiningâ€pressure dependent Lame moduli on the frequencyâ€dependent amplification of a poroâ€viscoelastic soil layer under horizontal cyclic loading. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 2408.	1.7	1
2512	Effective viscoelastic representation of gas-hydrate bearing sediments from finite-element harmonic experiments. Computational Geosciences, 0, , 1.	1.2	3
2513	Nonlocal stress analysis of an irregular FGFPM structure imperfectly bonded to fiber-reinforced substrate subjected to moving load. Soil Dynamics and Earthquake Engineering, 2021, 147, 106744.	1.9	16
2514	Correct description of S-wave propagation across material discontinuities in poroelasticity. , 2021, , .		0
2515	Virtual elements for sound propagation in complex poroelastic media. Computational Mechanics, 2022, 69, 347-382.	2.2	3
2516	Simulation of Spatially Correlated Multipoint Ground Motions in a Saturated Alluvial Valley. Shock and Vibration, 2021, 2021, 1-11.	0.3	0
2517	On the low-frequency elastic response of Pierre Shale during temperature cycles. Geophysical Journal International, 2021, 228, 1260-1280.	1.0	5
2518	Numerical prediction of undrained cyclic triaxial experiments on saturated Kasai river sand using two constitutive models of liquefaction. Bulletin of Engineering Geology and the Environment, 2021, 80, 8565-8582.	1.6	6
2519	Effective wave dispersion and attenuation in three-periodic thin poroelastic layers saturated by two-phase fluids. , 2021, , .		0
2520	Effective elastic properties of porous rocks with fluid-filled vugs. Journal of Applied Geophysics, 2021, 192, 104393.	0.9	4
2521	Comparative investigation on the heat extraction performance of an enhanced geothermal system with N2O, CO2 and H2O as working fluids. Applied Thermal Engineering, 2022, 200, 117594.	3.0	21
2522	A low-dispersive padé approximation method for wave propagation in isotropic and anisotropic poroelastic medium. Exploration Geophysics, 0, , 1-16.	0.5	0
2523	Numerical simulation and modeling of a poroelastic media for detection and discrimination of geo-fluids using finite difference method. AEJ - Alexandria Engineering Journal, 2022, 61, 3447-3462.	3.4	9
2524	Fluids Alter Elasticity Measurements: Porous Wave Propagation Accounts for Shear Wave Dispersion in Elastography. Frontiers in Physics, 2021, 9, .	1.0	5
2525	Effects of porosity, orientation and connectivity of microcracks on dispersion and attenuation of fluid-saturated rocks using an upscaling numerical modelling of the squirt flow mechanism. Exploration Geophysics, 2022, 53, 425-438.	0.5	2
2526	An Exact Expression for the Effective Bulk Modulus for Acoustic Wave Propagation in Cylindrical Patchy-Saturation Rocks. Lithosphere, 2021, 2021, .	0.6	2
2527	A mixture theory analysis for reflection phenomenon of homogeneous plane- <i>P</i> 1-wave at the boundary of unsaturated porothermoelastic media. Geophysical Journal International, 2021, 228, 1237-1259.	1.0	13
2528	Case-wise analysis of Love-type wave propagation in an irregular fissured porous stratum coated by aÂsandy layer. Multidiscipline Modeling in Materials and Structures, 2021, 17, 1119-1141.	0.6	5

ARTICLE IF CITATIONS # S-wave propagation across material discontinuities in poroelasticity. Geophysics, 2021, 86, 2529 5 1.4 MR315-MR324. Wave-induced flow of pore fluid in a cracked porous solid containing penny-shaped inclusions. 2.4 Petroleum Science, 2021, 18, 1390-1408. Seismoelectric and Electroseismic Modeling in Stratified Porous Media With a Shallow or Ground 2531 1.4 6 Surface Source. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021950. Study on the ultrasound-assisted drying process of deformable porous materials. Journal of Food Engineering, 2021, 306, 110612. Poroelastodynamic response of layered unsaturated media in the vicinity of a moving harmonic load. 2533 2.3 17 Computers and Geotechnics, 2021, 138, 104358. Effect of stresses on wave propagation in fluid-saturated porous media. International Journal of Engineering Science, 2021, 167, 103519. 2534 2.7 Hysteresis in the ultrasonic parameters of saturated sandstone during freezing and thawing and 2535 correlations with unfrozen water content. Journal of Rock Mechanics and Geotechnical Engineering, 3.7 13 2021, 13, 1078-1092. Modeling biphasic hydrogels under spherical indentation: Application to soft tissues. Mechanics of 2536 1.7 Materials, 2021, 161, 103987. The unified pipe-interface element method for simulating the coupled hydro-mechanical grouting 2537 process in fractured rock with fracture propagation. Engineering Fracture Mechanics, 2021, 256, 2.0 9 107993. High-order X-FEM for the simulation of sound absorbing poro-elastic materials with coupling 2538 2.1 interfaces. Journal of Sound and Vibration, 2021, 510, 116262. Wave-induced seabed momentary liquefaction in shallow water. Applied Ocean Research, 2021, 115, 2539 5 1.8 102819. A Unified Numerical Scheme for Coupled Multiphysics Model. IEEE Transactions on Geoscience and 2540 2.7 Remote Sensing, 2021, 59, 8228-8240. Investigation of long acoustic waveguides for the very low frequency characterization of monolayer 2541 1.7 6 and stratified air-saturated poroelastic materials. Applied Acoustics, 2021, 182, 108200. Stress-dependent fluid dynamics of shale gas reservoirs: A pore network modeling approach. Journal of Natural Gas Science and Engineering, 2021, 95, 104243. 2542 2.1 Actively deforming porous media in an incompressible fluid: A variational approach. Physica D: 2543 1.3 4 Nonlinear Phenomena, 2021, 426, 132984. A special indirect boundary element method for seismic response of a 3D canyon in a saturated layered 2544 half-space subjected to obliquely incident plane waves. Engineering Analysis With Boundary Elements, 2.0 2021, 132, 182-201. Vertical Vibration of Multiple Flexible Strip Foundations on Multilayered Transversely Isotropic 2545 1.39 Poroelastic Soils. International Journal of Geomechanics, 2021, 21, . A critical review on coupled geomechanics and fluid flow in naturally fractured reservoirs. Journal 2546 2.1 of Natural Gas Science and Engineering, 2021, 95, 104150.

#	Δρτιςι ε	IF	CITATIONS
" 2547	Numerical investigations about the sound transmission loss of a fuselage panel section with embedded periodic foams. Applied Acoustics, 2021, 182, 108265.	1.7	16
2548	Guided waves propagation in multi-layered porous materials by the global matrix method and Biot theory. Applied Acoustics, 2021, 184, 108356.	1.7	8
2549	Modeling elastic wave propagation through a partially saturated poroviscoelastic interlayer by fractional order derivatives. Applied Mathematical Modelling, 2021, 100, 612-631.	2.2	9
2550	Green's function analysis of shear wave propagation in heterogeneous poroelastic sandwiched layer influenced by an impulsive source. Wave Motion, 2021, 107, 102821.	1.0	6
2551	Analytical approach to determine the impact of line source on SH-wave propagation in an anisotropic poro-viscoelastic layered structure in the context of Eringen's nonlocal elasticity theory. Soil Dynamics and Earthquake Engineering, 2021, 151, 106987.	1.9	7
2552	Ultrasonic prediction of crack density using machine learning: A numerical investigation. Geoscience Frontiers, 2022, 13, 101277.	4.3	5
2553	Wave dispersion and attenuation due to multi-scale wave-induced fluid flow in layered partially saturated pore-crack media. Journal of Petroleum Science and Engineering, 2022, 208, 109447.	2.1	4
2554	Shear-horizontal transverse-electric seismoelectric waves in cylindrical double layer porous media. Chinese Physics B, 2021, 30, 014301.	0.7	3
2555	Modelling viscoelastic wave phenomenon by homogenisation of the poroelasticity equations. European Journal of Applied Mathematics, 2021, 32, 846-864.	1.4	1
2556	Multiscale Reconstructions, Effective Elastic Properties, and Ultrasonic Responses of Kerogen Matter Based on Digital Organic Shales. IEEE Access, 2021, 9, 43785-43798.	2.6	3
2557	Mathematical Proof of the MandelCryer Effect in Poroelasticity. Multiscale Modeling and Simulation, 2021, 19, 550-567.	0.6	1
2558	3-D NUMERICAL ANALYSIS OF PARTIAL FLOATING SHEET-PILE METHOD AS COUNTERMEASURE FOR LIQUEFACTION. Journal of Japan Society of Civil Engineers, 2021, 9, 138-147.	0.1	0
2559	Static and dynamic characterization and response analysis of soils from northern India. SN Applied Sciences, 2021, 3, 1.	1.5	6
2561	Seismic Wave Propagation in Real Media: Numerical Modeling Approaches. Encyclopedia of Earth Sciences Series, 2021, , 1525-1537.	0.1	0
2562	Poroelasticity. Encyclopedia of Earth Sciences Series, 2021, , 1280-1282.	0.1	0
2564	Efficient modeling of seismic signature of patchy saturation for time lapse monitoring of carbon sequestrated deep saline reservoirs. Applied Energy, 2014, 114, 445-455.	5.1	3
2565	Relationships between Seismic and Hydrological Properties. , 2005, , 253-290.		159
2566	Elastodynamics of porous media. , 1982, , 97-110.		3

#	Article	IF	CITATIONS
2567	Thermodiffusion in Porous Media and Its Consequences. Lecture Notes in Physics, 2002, , 389-427.	0.3	17
2568	Acoustic spectroscopy of aerogel precursors. , 2000, , 325-328.		3
2569	Poroelastic Finite Element Models for Soft Tissue Structures. , 1990, , 66-90.		5
2570	Waves in Residual-Saturated Porous Media. Advances in Mechanics and Mathematics, 2010, , 179-187.	0.2	7
2571	Transversely Isotropic Poroelasticity Arising from Thin Isotropic Layers. The IMA Volumes in Mathematics and Its Applications, 1998, , 37-50.	0.5	12
2572	Acoustic Waves in Marine Sediments. , 1986, , 417-434.		9
2573	Propagator Matrix for Acoustic Wave Propagation through Anisotropic Porous Media. , 1986, , 463-472.		4
2574	Asymptotic Methods in Underwater Acoustics. International Society for Analysis, Applications and Computation, 1998, , 229-240.	0.1	3
2575	Utility of 3-D Seismic Attribute Analysis and VSP for Assessing Potential Carbon Sequestration Targets on the Rock Springs Uplift, Southwest Wyoming. Springer Environmental Science and Engineering, 2013, , 97-150.	0.1	1
2576	Influence of Anisotropy and Soil Structure on Elastic Properties of Sediments. , 1974, , 63-87.		5
2577	Additional Applications. , 2019, , 107-132.		1
2578	Seismic Wave Propagation in Real Media: Numerical Modeling Approaches. Encyclopedia of Earth Sciences Series, 2020, , 1-13.	0.1	4
2579	Porosity and Diffusion in Biological Tissues. Recent Advances and Further Perspectives. Solid Mechanics and Its Applications, 2020, , 311-356.	0.1	10
2580	Seismic Wave Attenuation in Fluid-Saturated Porous Media. , 1988, , 423-432.		10
2581	Triggering of Seismicity by Pore-pressure Perturbations: Permeability-related Signatures of the Phenomenon. , 2003, , 1051-1066.		8
2583	Modeling of Fluid Transport in Geothermal Research. , 2014, , 1-55.		5
2584	Large Deformation Analysis for Costal Geo-Disasters Using Continuum and Discrete Modeling. Springer Geology, 2013, , 13-29.	0.2	1
2585	Modeling of Fluid Transport in Geothermal Research. , 2015, , 1443-1505.		9

#	Article	IF	CITATIONS
2586	A Model of the Leukocyte Migration Through Solid Tissue. , 1994, , 285-328.		3
2587	Boundary Conditions at the Viscous Sliding Interface of Incompressible Porous Deformable Media. , 2000, , 115-124.		1
2588	Coupling between the evolution of a deformable porous medium and the motion of fluids in the connected porosity. , 2002, , 199-225.		4
2589	Recent Developments in Multiscale Problems Coming from Fluid Mechanics. , 2003, , 225-267.		3
2590	On some relaxation processes connected with heterogeneity of continuous media. , 1966, , 862-867.		4
2592	Order and Disorder in Granular Materials. , 1999, , 1-65.		2
2593	Waves in Porous and Granular Materials. , 1999, , 131-185.		20
2594	Modelling and Testing: Implementation of Numerical Models and Their Application in Practice. CISM International Centre for Mechanical Sciences, Courses and Lectures, 1990, , 1-168.	0.3	4
2596	Dynamic Analysis of Vertical Loaded Single Pile in Multilayered Saturated Soils. , 2009, , 761-769.		1
2597	Homogenization Theories and Inverse Problems. , 2011, , 229-263.		1
2598	Determination of Material Parameters of Poroelastic Media. , 1984, , 579-615.		2
2599	Comparison of Measured Compressional and Shear Wave Velocity Values with Predictions from Biot Theory. , 1991, , 121-130.		6
2600	Shear Wave Attenuation in Unconsolidated Laboratory Sediments. , 1991, , 141-147.		16
2601	Rock Acoustics: Relevance of the Porous Viscoelastic Model. , 1991, , 157-166.		1
2602	Dynamics of a rigid strip bonded to a multilayered poroelastic medium. Solid Mechanics and Its Applications, 1996, , 353-369.	0.1	8
2603	The Extraction of Geotechnical Information from High-Resolution Seismic Reflection Data. Advances in Underwater Technology, Ocean Science and Offshore Engineering, 1993, , 215-228.	0.1	7
2604	Physical Mechanisms Contributing to Seismic Attenuation in the Crust. , 1987, , 225-247.		12
2605	Shakedown Analysis of Flexible Pavement on Saturated Subgrade Under Moving Traffic Loading. Lecture Notes in Civil Engineering, 2020. , 879-893.	0.3	4

#	Article	IF	CITATIONS
2606	Analytical Methods for Dynamic Interaction Between Strip Foundations and Poroelastic Soils. Lecture Notes in Civil Engineering, 2020, , 85-101.	0.3	3
2607	The Validity of the Effective Stress Concept in Soil Mechanics. Studies in Applied Mechanics, 1988, , 207-214.	0.4	1
2608	Theory of consolidation. Developments in Geotechnical Engineering, 1989, 48, 324-422.	0.1	1
2609	Modeling wavefields in saturated elastic porous media based on thermodynamically compatible system theory for two-phase solid-fluid mixtures. Computers and Fluids, 2020, 206, 104587.	1.3	17
2610	Analytical solution of soil deformation and fluid pressure change for a two-layer system with an upper unsaturated soil and a lower saturated soil under external loading. Journal of Hydrology, 2020, 588, 124997.	2.3	19
2611	The combined effects of pore structure and pore fluid on the acoustic properties of cracked and vuggy synthetic rocks. Journal of Petroleum Science and Engineering, 2017, 156, 202-211.	2.1	11
2617	Numerical methods for a model for wave propagation in composite anisotropic media. ESAIM: Mathematical Modelling and Numerical Analysis, 1988, 22, 159-176.	0.8	4
2618	Three-Dimensional Frequency-Domain Green's Functions of a Finite Fluid-Saturated Soil Layer Underlain by Rigid Bedrock to Interior Loadings. International Journal of Geomechanics, 2022, 22, .	1.3	21
2619	Laboratory measurement of Biot's coefficient and pore pressure influence on poroelastic rock behaviour. APPEA Journal, 2018, 58, 182.	0.4	12
2620	Elastic waves in porous media saturated with non-wetting fluid. APPEA Journal, 2020, 60, 315.	0.4	4
2621	The role of mechanics in biological and biologically inspired materials. , 2002, 42, 361.		1
2622	Effect ofP-wave scattering on velocity and attenuation in unconsolidated sand saturated with immiscible liquids. Geophysics, 1998, 63, 161-170.	1.4	15
2623	Amplitude variations with offset of pressureâ€seal reflections. Geophysics, 2001, 66, 283-293.	1.4	31
2624	Attenuation and seismoelectric characteristics of dynamically compatible porous media. , 2002, , .		7
2625	Attenuation and dispersion of compressional waves in porous rocks with aligned fractures. , 2003, , .		2
2626	Wave propagation in poroelastic media: A velocityâ€stress staggeredâ€grid finiteâ€difference method with perfectly matched layers. , 2003, , .		4
2627	Seismic attenuation and dispersion due waveâ€included flow in 3â€D inhomogeneous porous rocks. , 2004,		3
2628	Velocityâ $\in$ stressâ $\in$ pressure algorithm for 3D poroelastic wave propagation. , 2004, , .		6

#	Article	IF	CITATIONS
2629	Reservoir characterization using passive seismic monitoring: Physical fundamentals and road ahead. , 2004, , .		3
2630	Poroelastic effective media model for fractured and layered reservoir rock. , 1995, , .		2
2631	Interaction of seismic background noise with oscillating pore fluids causes spectral modifications of passive seismic measurements at low frequencies. , 2007, , .		4
2632	Strong dispersion and attenuation of Pâ€waves in a partially saturated fractured reservoir. , 2007, , .		1
2633	Highâ€contrast finiteâ€differences modeling in heterogeneous poroelastic media. , 2007, , .		1
2634	Amplitudeâ€versusâ€frequency variations in thinly layered porous rocks. , 2008, , .		1
2635	The electric field induced by the fast Pâ€wave and its nonexistence in a dynamically compatible porous medium. , 2009, , .		3
2636	Acoustic signatures of waveâ€induced vorticity diffusion in porous media. , 2010, , .		1
2637	Analysis of mesoscopic loss effects in anisotropic poroelastic media using harmonic finite element simulations. , 2011, , .		3
2638	Effect of local fluid flow on the reflection and transmission of elastic waves at an interface between an elastic solid and a double-porosity medium. Geophysics, 2020, 85, T237-T256.	1.4	5
2639	Elastic wave propagation characteristics in two-phase media with anisotropy induced by cracks. , 2017,		1
2640	Effect of contact line motion on <i>Q <sub>P</sub> </i> and <i>Q <sub>S</sub> </i> for partially saturated rocks. , 2012, , .		3
2641	A simple hydro-mechanical approach to simulate squirt-type flow at any scale. , 2015, , .		2
2642	Anisotropic poroelasticity: Does it apply to shale?. , 2018, , .		3
2643	Estimation of the effective compliance of a set of fractures using full-waveform sonic log data. , 2020, , .		1
2646	Stress and pore pressure dependent anisotropy of elastic waves in porous structures. , 2005, , .		1
2647	Reflection of elastic waves in the layered Biot medium. , 2005, , .		2
2648	Effects of Brain Ventricular Shape on Periventricular Biomechanics: A Finite-element Analysis. Neurosurgery, 1999, 45, 107.	0.6	35
#	Article	IF	CITATIONS
------	--	-----	-----------
2649	Model Tests and Parametric Analysis on Pore Pressure Response in Silty Clay Seabed under Vertical Caisson Breakwater. Journal of Testing and Evaluation, 2019, 47, 20180016.	0.4	1
2650	Porous material effect on gearbox vibration and acoustic behavior. Journal of Theoretical and Applied Mechanics, 0, , 1381.	0.2	2
2651	Acoustic Wave Propagation in a Composite of Two Different Poroelastic Materials with a Very Rough Periodic Interface: a Homogenization Approach. International Journal for Multiscale Computational Engineering, 2003, 1, 431-440.	0.8	9
2652	Modeling High-Frequency Acoustic Velocities in Patchy and Partially Saturated Porous Rock using Differential Effective Medium Theory. International Journal for Multiscale Computational Engineering, 2004, 2, 17.	0.8	7
2653	On uniqueness in dynamic poroelasticity. Bulletin of the Seismological Society of America, 1963, 53, 783-788.	1.1	446
2654	Reflection and refraction of seismic waves incident obliquely at the boundary of a liquid-saturated porous solid. Bulletin of the Seismological Society of America, 1982, 72, 1509-1533.	1.1	49
2655	The Reliability of Core Data as Input to Seismic Reservoir Monitoring Studies. , 2000, , .		28
2658	A Semi-Analytical Model for the Simulation of the Isolation of the Vibration Due to a Harmonic Load Using Pile Rows Embedded in a Saturated Half-Space. Open Civil Engineering Journal, 2010, 4, 38-56.	0.4	4
2659	A NUMERICAL METHOD FOR WAVE SCATTERING IN POROELASTIC MEDIA. Structural Engineering/Earthquake Engineering, 2004, 21, 143s-157s.	0.3	3
2660	An exact solution to the problems of flexo-poro-elastic structures rested on elastic beds acted upon by moving loads. Scientia Iranica, 2019, .	0.3	2
2661	Entropy Generation in Couette Flow Through a Deformable Porous Channel. Applied Mathematics and Nonlinear Sciences, 2019, 4, 575-590.	0.9	10
2662	AGILD Seismic Modeling For Double-porosity Media. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2008, 4, 0-0.	0.4	3
2663	A Review on Factors affecting Seismic Pile Response Analysis: A Parametric Study. Journal of Numerical Methods in Civil Engineering, 2017, 2, 35-51.	0.3	2
2664	Contact Problems for a Porous Composite in the Presence of Friction Forces. Mechanics of Solids, 2020, 55, 1463-1470.	0.3	5
2665	Study on physical parameters of the Biot-Stoll marine sediment model The Journal of the Marine Acoustics Society of Japan, 1995, 22, 54-63.	0.2	7
2666	Nonlinear Seismic Response and Damage of Reinforced Concrete Ducts in Liquefiable Soils. Journal of Advanced Concrete Technology, 2009, 7, 439-454.	0.8	10
2667	Study on a Liquefaction Countermeasure for Flume Structure by Sheet-Pile with Drain. , 2009, , .		6
2668	On the theory of viscoelasticity for materials with double porosity. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 2335-2352.	0.5	22

#	Article	IF	CITATIONS
2669	Effect of Hydrological Properties on the Energy Shares of Reflected Waves at the Surface of a Partially Saturated Porous Solid. AIMS Geosciences, 2017, 3, 67-90.	0.4	5
2670	Considerations of observed spectral anomalies over hydrocarbon reservoirs generated by microtremors. , 2007, , .		1
2671	Sv-Wave And P-Wave High Resolution Seismic Reflection Using Vertical Impacting And Vibrating Sources. , 2008, , .		6
2672	Scientific Strategy to Explain Observed Spectral Anomalies over Hydrocarbon Reservoirs Generated by Microtremors. , 2006, , .		4
2673	Effects of Fluid In Reservoir on Q Factor of P Wave and S Wave. , 2014, , .		1
2674	Analytical Solution for Waves Propagation in Heterogeneous Acoustic/porous Media Part I: the 2D Case. Communications in Computational Physics, 2010, 7, 171-194.	0.7	22
2675	Elimination of LWD (Logging While Drilling) Tool Modes Using Seismoelectric Data. Communications in Computational Physics, 2010, 7, 47-63.	0.7	5
2676	Generalized Porothermoelasticity of Asphaltic Material. Engineering, 2011, 03, 1102-1114.	0.4	3
2677	Mathematical Modeling of Porous Medium for Sound Absorption Simulations II: Wave Propagation and Interface Conditions. Journal of Applied Mathematics and Physics, 2019, 07, 2780-2795.	0.2	1
2678	Characterization of Acoustical Properties of Felt and Carpet Made of Natural and Environmentally Friendly Materials. Open Journal of Acoustics, 2017, 07, 27-38.	0.3	7
2679	Dynamics of Drainage of Power-Law Liquid into a Deformable Porous Material. Open Journal of Fluid Dynamics, 2014, 04, 403-414.	0.3	4
2680	GPU Accelerated 2-D Staggered-grid Finite Difference Seismic Modelling. Journal of Software, 2011, 6, .	0.6	8
2681	Mechanisms of geometrical seismic attenuation. Annals of Geophysics, 2011, 54, .	0.5	7
2682	Ondes dans les milieux poroélastiques - Analyse du modÃ <sup>-</sup> le de Biot. Arima, 0, Volume 5, Special Issue TAM, .	0.0	2
2683	NUMERICAL MODELING OF FLUID FLOWAND TIME-LAPSE SEISMOGRAMS APPLIED TO CO2 STORAGE AND MONITORING. , 0, , .		1
2684	Guided circumferential wave propagation characteristics for porous cylinder immersed in infinite fluid. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 084301.	0.2	1
2685	Love Wave Propagation in Porous Rigid Layer Lying over an Initially Stressed Half-Space. International Journal of Applied Physics and Mathematics, 2013, , 140-142.	0.3	11
2686	Theoretical and Experimental Studies of the Bone Damage Detection by the Ultrasonic Method. Russian Journal of Nondestructive Testing, 2021, 57, 525-540.	0.3	1

#	Article	IF	CITATIONS
2687	Permeability Estimation From stoneley Waves in Carbonate Reservoirs. Türkiye Jeoloji Bülteni / Geological Bulletin of Turkey, 0, , .	0.0	2
2688	Two-Phase Flow Effects on Seismic Wave Anelasticity in Anisotropic Poroelastic Media. Energies, 2021, 14, 6528.	1.6	3
2690	Transmission Loss Analyses on Different Angular Distributions of Periodic Inclusions in a Porous Layer. Aerotecnica Missili & Spazio, 0, , 1.	0.5	3
2691	Scattering of plane waves by a 3D canyon in a transversely isotropic fluid-saturated layered half-space. Soil Dynamics and Earthquake Engineering, 2021, 151, 106997.	1.9	0
2692	Collecting Seismic-Reflection Data From Depths Shallower Than Three Meters. , 2000, , .		2
2694	Implementation of DSC in Computer Procedures. , 2000, , 541-640.		0
2695	Implementation of DSC in Computer Procedures. , 2000, , .		0
2696	Nonlinear Poroelasticity for Liquid Nonsaturated Porous Materials. , 2001, , 1126-1133.		0
2697	Acoustic properties of an overpressured sandstone saturated by immiscible fluids. , 2001, , .		0
2698	Technology of Plasticity. Numerical Analysis of Deformation of Saturated Clay Based on Cosserat Type Elasto-Viscoplastic Model Zairyo/Journal of the Society of Materials Science, Japan, 2001, 50, 585-592.	0.1	2
2699	Finite element modeling of seismic wave propagation in twoâ $\in$ phase anisotropic media. , 2001, , .		0
2702	Vertical and lateral resolution of surface electroseismic data and the thin bed response. , 2003, , .		0
2703	Influence of water saturation on propagation of elastic waves in transversely isotropic nearly saturated soil. Journal of Zhejiang University Science B, 2003, 4, 694.	0.4	0
2704	ACOUSTIC WAVE PROPAGATION IN A COMPOSITE OF TWO DIFFERENT POROELASTIC MATERIALS WITH A VERY ROUGH PERIODIC INTERFACE: A HOMOGENIZATION APPROACH. , 2003, , .		0
2705	Frequency dependent anisotropy of porous rocks with aligned fractures. ASEG Extended Abstracts, 2003, 2003, 1-5.	0.1	0
2706	Insights On Modelling Seismoelectric Effects Of Electrokinetic Origin. , 2004, , .		0
2707	Fluid-Dependent Shear-Wave Splitting in a Poroelastic Medium with Conjugate Fracture Sets. , 2004, , .		0
2708	On the Effective Constants of Inhomogeneous Poroelastic Medium. , 2004, , 107-113.		1

#	Article	IF	CITATIONS
2710	Use of Electromagnetic, Geoelectric and Seismic Tomography Refraction Geophysical Methods To Estimate The Water Content In The Subsoil. , 2005, , .		0
2711	Prestack waveform inversion in the western Nile delta. , 2005, , .		0
2712	Wave propagation modeling in heterogeneous, porous media. , 2005, , .		0
2713	Shape reconstruction of scatterers in poroelastic media using linearized inverse scattering analysis. BUTSURI-TANSA(Geophysical Exploration), 2005, 58, 653-664.	0.0	0
2716	A sÃsmica de refração e o GPR no mapeamento do nÃvel freÃjtico de aqüÃfero não confinado. Uma análise comparativa a partir de um estudo na cidade de São Paulo/Brasil. , 2005, , .		0
2717	On the effective dynamic properties of inhomogeneous poroelastic medium. , 2005, , .		0
2718	On the mechanical equilibrium of the fluid-filled poro-elastic body. , 2005, , .		0
2719	Effective fluid transport properties of deformable rocks. , 2006, , .		0
2720	A LISA Model of the Nonlinear and Hysteretic Response of Interstitial Regions to Applied Stresses. , 2006, , 251-267.		0
2721	Brazos A-105 D-Sand Reservoir Modeling by Integration of Seismic Elastic Inversion Results with Geostatistical Techniques. , 2006, , 269-288.		0
2722	Vertical vibration of pile in saturated soil considering transverse inertial effect. , 2006, , .		0
2723	Microscale modeling of temperatureâ€dependent reflection from poroelastic interface — Application to heavyâ€oil reservoirs. , 2007, , .		0
2724	Dynamic Responses of an Infinite Beam on a Layered Water-Saturated Poroelastic Foundation Under Moving Loads. Lecture Notes in Computer Science, 2007, , 1228-1236.	1.0	0
2725	Low–Frequency Spectral Anomalies of Seismic-Wave Reflections from Poroelastic Layers. 1D Numerical Experiments. , 2007, , .		1
2726	A simple approximation for seismic attenuation and dispersion in a fluidâ€saturated porous rock with aligned fractures. , 2007, , .		0
2727	Solução analÃŧica das equações de Biot e a descrição de algumas propriedades das ondas sÃsmicas com a variação de parâmetros petrofÃsicos. , 2007, , .		0
2728	Low frequency spectral modifications of seismic background noise due to interaction with oscillating fluids entrapped in porous rocks. , 2007, , .		0
2729	Low-frequency anomalies of seismic-wave reflections from poroelastic layers. , 2007, , .		0

#	Article	IF	CITATIONS
2730	Slow wave in fluidâ $\in$ filled fractures: What is missing in Biot's Theory?. , 2007, , .		0
2731	Statistical analysis of the effective velocity and mesoscopic attenuation in patchy saturated porous media. , 2007, , .		1
2732	Solução analÃtica das equações de Biot e a descrição de algumas propriedades das ondas sÃsmicas com a variação de parâmetros petrofÃsicos. , 2007, , .		0
2733	Low frequency spectral modifications of seismic background noise due to interaction with oscillating fluids entrapped in porous rocks. , 2007, , .		0
2734	Considerations of observed spectral anomalies over hydrocarbon reservoirs generated by microtremors. , 2007, , .		0
2736	Dynamic Response of an Offshore Pile, a Poro-Elastic Seabed and Seawater due to Water Waves. Open Civil Engineering Journal, 2008, 2, 99-112.	0.4	0
2737	Deformation analyses of river dike on liquefiable ground affected by different earthquake motions. Journal of Japan Association for Earthquake Engineering, 2009, 9, 1-20.	0.0	0
2738	Fast Pâ€wave conversion scattering into slow Sâ€wave. , 2009, , .		0
2739	Finite Difference Modeling of Near-Surface Electroseismic Coupling. , 2009, , .		0
2740	Frequencyâ€dependent reflections from a layer with attenuation caused by interlayer flow. , 2009, , .		1
2741	Finite Difference Modeling of Nearâ $\in$ Surface Electroseismic Coupling. , 2009, , .		0
2742	EGS: â€~Hydrofracturing' ⇥ â€~Hydrofaulting'. , 2010, , .		0
2743	Numerical Simulation Of Dynamic Responses In Transversely Isotropic Fluid-Saturated Elastic Seabed Under Wave Actions. , 2010, , 462-466.		0
2744	Using Pâ€wave attenuation to locate waterâ€rich limestone in coal seismic survey. , 2010, , .		0
2745	Impact of fluid saturation on the reflection coefficient of a poroelastic layer. , 2010, , .		0
2746	Elastic waves in Maxwell fluid-saturated porous media with the squirt flow mechanism. Wuli Xuebao/Acta Physica Sinica, 2010, 59, 8655.	0.2	8
2747	Responses of Saturated Sand Surrounding A Bucket Foundations Under Horizontal Vibration Loading. The Open Ocean Engineering Journal, 2010, 3, 31-37.	0.2	0
2748	Seismic Wave Propagation in Real Media: Numerical Modeling Approaches. Encyclopedia of Earth Sciences Series, 2011, , 1200-1210.	0.1	1

# 2750	ARTICLE Seismic Response Characteristics of Layered Ground Considering Viscoelastic Effects of Clay. Journal of the Korean Society of Agricultural Engineers, 2011, 53, 19-26.	IF 0.1	Citations 0
2751	Prediction of Gas-Oil Contact from Surface Seismic Exploration. , 2011, , .		0
2753	Governing equations for multiphase geomaterials. , 2012, , 31-54.		0
2754	Bounds for Effective Stress Coefficients in Poroelasticity. , 2012, , .		0
2755	- Governing equations for multiphase geomaterials. , 2012, , 50-73.		0
2756	Quantitative comparison of simulations of seismic wave propagation in heterogeneous poro-elastic media involving fluid-solid interfaces and in equivalent visco-elastic solids. , 2012, , .		0
2757	Dynamic Poroelasticity. , 2013, , 237-262.		0
2759	EXPERIMENTOS COM O FATOR DE MOBILIDADE. , 2013, , .		0
2760	Wavefield propagation characteristics in fracture-induced TTI double-porosity medium. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 139101.	0.2	4
2761	Modeling seismic attenuation due to wave-induced fluid flow in the mesoscopic scale to interpret laboratory measurements. , 2013, , .		0
2762	Time-space domain staggered-grid finite difference method for porous media. , 2013, , .		0
2763	Fluid mobility in reservoir rocks from integrated VSP and openhole data. , 2013, , .		1
2764	THE STABILITY OF THE GENERALISED- $\hat{1}\pm\hat{A}$ METHOD IN SOIL-PORE FLUID COUPLED FORMULATION. , 2014, , .		0
2765	Elastic wave propagation characteristics under anisotropic squirt-flow condition. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 069101.	0.2	2
2766	Effectiveness of the Sheet Pile Wall against House Subsidence and Tilting Induced by Liquefaction. Journal of Japan Association for Earthquake Engineering, 2014, 14, 4_35-4_49.	0.0	0
2767	Dynamic interaction between the infinite beam and the the saturated poro-elastic soil foundation due to moving loads. , 0, , .		0
2769	On the Study of Mechanical Properties of Rocks in Earth Sciences. Zairyo/Journal of the Society of Materials Science, Japan, 1965, 14, 455-463.	0.1	0
2770	Transfer Phenomena in Fluid-Saturated Porous Media. , 1968, , 250-258.		2

#	Article	IF	CITATIONS
2771	Computer-Aided Measurements of Damping in Marine Sediments. , 1984, , 177-187.		0
2773	Tube wave attenuation and dispersion in permeable formations. , 1986, , .		0
2774	Estimating shear velocity from the stoneley wave: Its resolution and depth of investigation. , 1986, , .		1
2775	A Mechanical Description of Saturated Soils. , 1986, , 461-475.		0
2776	The Prediction of Transient Responses of Spinal Motion Segments Using Finite Elements Based on Porous Medium Theory. , 1986, , 799-804.		0
2778	Pore Shape and the Biot-Stoll Model for Saturated Sediments. , 1986, , 435-444.		0
2779	Hierarchical Constitutive Models and Numerical Implementation. , 1987, , 757-770.		0
2780	Poroelastic Models for Biological Structures. , 1988, , 37-40.		0
2781	Fundamentals Of Mechanics Of Saturated Porous Media: Basic Equations And Waves. , 1991, , 71-78.		0
2782	Comments on "Lamb's problem for fluid-saturated porous media― Bulletin of the Seismological Society of America, 1992, 82, 2263-2273.	1.1	6
2783	Measurements of sound speed and attenuation constant of marine sediments by tube method The Journal of the Marine Acoustics Society of Japan, 1993, 20, 217-227.	0.2	0
2784	Dispersion acoustique dans des roches poreuses. Journal De Physique III, 1993, 3, 2071-2086.	0.3	5
2785	Liquefaction of Sandy Ground during Earthquake Japanese Journal of Multiphase Flow, 1995, 9, 188-201.	0.1	0
2787	Boundary Element Approach to Coupled Poroelastodynamic Problems. Solid Mechanics and Its Applications, 1996, , 125-142.	0.1	1
2788	Heterogeneous modelling behaviour at an interface in porous media. , 1996, , .		0
2789	The effects of borehole environment and residual hydrocarbon on stoneley wave amplitude and reflectivity. , 1996, , .		0
2790	Time domain finite difference methods for rangeâ€dependent Biot media. Journal of the Acoustical Society of America, 1996, 100, 2765-2765.	0.5	1
2791	2D numerical simulations of poroelastic wave equations for gas and water saturated zones. , 1997, , .		0

#	Article	IF	CITATIONS
2792	Underwater Acoustics. International Society for Analysis, Applications and Computation, 1998, , 215-228.	0.1	0
2793	Three Dimensional Viscoelasticity in Finite Strain: Formulation of a Rate-Type Constitutive Law Consistent with Dissipation. The IMA Volumes in Mathematics and Its Applications, 1998, , 67-87.	0.5	0
2794	Interference Slow Wave in a Poroacoustic Biot Layer. , 1998, , .		1
2795	Influence of viscous coupling on seismic reflection and transmission in saturated porous media. Bulletin of the Seismological Society of America, 1998, 88, 1289-1299.	1.1	27
2796	Green's function dynamic poroelasticity. , 1999, , .		0
2797	Finite Difference and Finite Element Methods. CISM International Centre for Mechanical Sciences, Courses and Lectures, 1999, , 179-219.	0.3	0
2798	The Peculiarities of Linear Wave Propagation in Double Porous Media. , 1999, , 29-45.		1
2799	MATERIAL POINT METHOD FOR HYDRO-MECHANICAL PROBLEMS AND ITS APPLICATION TO SEEPAGE FAILURE ANALYSES. , 0, , .		0
2800	Liquefaction of a poro-elastoplastic seabed under combined wave and current loading. , 2014, , 1829-1834.		0
2801	Analytical study on levees reinforced by double sheet-piles with partition walls. , 2014, , 711-717.		1
2802	Solid Mechanics and Its Applications. , 2014, , 20-27.		38
2804	Dynamic Response of a Period Viaduct In-plane Vibration Under Spatially Non-uniform Seismic Wave. , 2015, , .		0
2805	DEVELOPMENT OF A FREQUENCY-DOMAIN BOUNDARY ELEMENT METHOD FOR 3-D POROELASTODYNAMICS IN GENERAL ANISOTROPY. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2015, 71, I_255-I_266.	0.1	0
2806	Research on laws of the formation of gas channels of the deep mining space. , 2015, , .		0
2807	The possibility of the monitoring using seismic attenuation for CO <sub>2</sub> geological storage. BUTSURI-TANSA(Geophysical Exploration), 2015, 68, 13-22.	0.0	0
2808	Solution of a 3-D Multilayered Poroelastic Medium Subjected to Moving Load with TRM Method. , 2015,		0
2809	Ultrasonic Technique on Fluid Saturation in Porous Media. International Journal of Petroleum Technology, 2015, 2, 1-6.	0.1	0
2810	A Biot model describing wave propagation in a porous solid saturated by a three-phase fluid. , 2015, , .		0

#	Article	IF	CITATIONS
2811	Poroviscoelastic behaviors of the shale sample in the three-point bending test. , 2015, , .		0
2812	A free surface formulaiton for finite difference modeling of surface waves in porous media. , 2015, , .		1
2813	Homogenization of Acoustic Equations for a Partially Perforated Elastic Material with Slightly Viscous Fluid. Journal of Siberian Federal University - Mathematics and Physics, 2015, 8, 356-370.	0.2	0
2814	Fluid flow effects on the P-wave reflectivity of a single fracture. , 2015, , .		0
2815	A boundary element method for wave scattering in fluid-saturated porous rocks. WIT Transactions on Modelling and Simulation, 2015, , .	0.0	0
2816	Numerical Simulation of Fracture Permeability Change in Production of Pressure-sensitive Reservoirs with In-situ Stress Field. Open Petroleum Engineering Journal, 2015, 8, 440-450.	0.6	0
2818	Offshore Geotechnics. , 2016, , 907-936.		0
2819	Surface waves simulation in porous media by domain decomposition. , 2016, , .		0
2820	REDUCING THE RISK OF DEVELOPMENT OF DISCRETE AND WAVE DEFORMATIONS ON THE TOOTH ENAMEL SURFACE. GISAP Medical Science, Pharmacology, 2016, , .	0.0	0
2821	Sensitivity of seismic attenuation and phase velocity to intrinsic background anisotropy in fractured low-permeability formations. , 2016, , .		0
2822	Technical Program in full - Part II (RC 1 - VSP P1). , 2016, , .		0
2823	Study on reinforcement effect of double sheet-pile wall installed in dyke as the countermeasure against large scale earthquake. Japanese Geotechnical Journal, 2017, 12, 109-122.	0.0	0
2824	Basic Equations and Governing Equations. , 2017, , 1-8.		0
2826	Stress Partitioning in Two-Phase Media: Experiments and Remarks on Terzaghi's Principle. Advanced Structured Materials, 2017, , 115-167.	0.3	0
2827	Variational Multi-phase Continuum Theories of Poroelasticity: A Short Retrospective. Advanced Structured Materials, 2017, , 1-15.	0.3	0
2828	The Linear Isotropic Variational Theory and the Recovery of Biot's Equations. Advanced Structured Materials, 2017, , 75-114.	0.3	0
2829	Fundamental Solutions of Biot Equations for Moving Loads. Springer Proceedings in Mathematics and Statistics, 2017, , 430-436.	0.1	0
2830	3-DIMENSIONAL ANALYSIS FOR LEVEE REINFORCEMENT USING SHEET-PILE STRUCTURE. Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering), 2017, 73, I_138-I_143.	0.0	0

	Сітатіо	n Report	
#	Article	IF	CITATIONS
2831	A Method for estimating shear wave velocity using multi mineral model. , 2017, , .		0
2832	Surface Vibration of a Layered Saturated Ground Subjected to an Embedded Moving Load. , 2018, , 53-65.		0
2833	Effects of pile rows on vibration reduction in nearly saturated soil. Journal of Vibroengineering, 2017, 19, 2713-2725.	0.5	2
2834	On Permeability Estimation by Electroacoustic Logging with Account for Joule Heating. , 2017, , .		0
2835	Effect of capillary pressure on seismic velocities. , 2017, , .		1
2836	Analysis of the influence of fluid saturation on elastic velocities of sandstones and carbonates using laboratory methods and fluid substitution models. , 2017, , .		0
2837	A discontinuous Galerkin method with a modified penalty flux for broadband Biot's equation. , 2017, , .		0
2838	Mathematical Modeling of Porous Medium for Sound Absorption Simulations: Application of Multi-Scales and Homogenization. Journal of Applied Mathematics and Physics, 2018, 06, 2705-2717.	0.2	2
2839	Numerical modeling of poro-viscoelastic wave propagation in effective Biot media using a mixed grid finite-difference frequency-space domain approach. , 2018, , .		0
2840	The Effect of Rheology with Gas Bubbles on Linear Elastic Waves in Fluid-Saturated Granular Media. International Journal of Applied Mechanics and Engineering, 2018, 23, 575-594.	0.3	0
2841	Poroelastic extensional modes with an impermeable radial surface and low-frequency experiments. , 2018, , .		0
2842	Overpressure prediction and elastic-property modeling in carbonate formation using well-logging data. , 2018, , .		0
2843	Time-dependent velocity behavior of clay-bearing sandstone in laboratory measurements: Frio sandstone, onshore oilfield, Texas, USA. , 2018, , .		0
2844	Review of Numerical Models for Studying the Dynamic Response of Deep Foundations for the Design and Project of Wind Turbines. Lecture Notes in Management and Industrial Engineering, 2019, , 173-187.	0.3	0
2845	The method and application of reservoir quality evaluation based on array acoustic logging. , 2018, , .		0
2846	EFFECT OF CAPILLARY PRESSURE ON SEISMIC VELOCITIES AND ATTENUATION. Journal of Porous Media, 2019, 22, 447-466.	1.0	3
2848	Reflection of inhomogeneous waves at the free surface of an effective Biot solid. , 2019, , .		1
2849	Modelling the effects of capillary hysteresis on the normal compliance of individual fractures. , 2019,		0

	Article	IF	CITATIONS
2850	Permeability estimates using Stoneley wave attenuation and NMR: A case study of a post-salt carbonate reservoir in the Campos Basin. , 2019, , .		0
2851	Ultrasonic Scattered Field Distribution of One and Two Cylindrical Solids with Phased Array Technique. Chinese Journal of Mechanical Engineering (English Edition), 2019, 32, .	1.9	2
2853	Poroelasticity. Encyclopedia of Earth Sciences Series, 2020, , 1-4.	0.1	0
2854	Model and calculation of the stress-strain state of a hydrate-containing medium during its partial thawing. Keldysh Institute Preprints, 2020, , 1-23.	0.1	0
2856	Body waves propagation in a fluid-saturated transversely isotropic poroelastic solid with a potential method. Scientia Iranica, 2020, .	0.3	0
2857	Analytical study on suppression effect of pore water pressure and displacement of surrounding ground by vacuum consolidation method. Japanese Geotechnical Journal, 2020, 15, 311-325.	0.0	Ο
2859	Phase field feature of inclined hydraulic fracture propagation in naturally-layered rocks under stress boundaries. IOP Conference Series: Earth and Environmental Science, 2021, 861, 072052.	0.2	0
2860	Multi-scale simulation of wave propagation and liquefaction in a one-dimensional soil column: hybrid DEM and finite-difference procedure. Acta Geotechnica, 2022, 17, 2611-2632.	2.9	3
2861	Permeability Determination from Stoneley Waves in the Ara Group Carbonates, Oman. Geoarabia, 2001, 6, 649-666.	1.6	22
2862	Variational Principles in Numerical Practice. , 2020, , 2662-2670.		0
2862 2863	Variational Principles in Numerical Practice. , 2020, , 2662-2670. Bayesian inference of human bone sample properties using ultrasonic reflected signals. Journal of the Acoustical Society of America, 2020, 148, 3797-3808.	0.5	0
2862 2863 2866	Variational Principles in Numerical Practice. , 2020, , 2662-2670.   Bayesian inference of human bone sample properties using ultrasonic reflected signals. Journal of the Acoustical Society of America, 2020, 148, 3797-3808.   Three-dimensional biomechanical modeling of cylindrical bone-like porous materials subject to acoustic waves. International Journal of Mechanical Sciences, 2022, 213, 106835.	0.5 3.6	0 5 8
2862 2863 2866 2868	Variational Principles in Numerical Practice. , 2020, , 2662-2670.   Bayesian inference of human bone sample properties using ultrasonic reflected signals. Journal of the Acoustical Society of America, 2020, 148, 3797-3808.   Three-dimensional biomechanical modeling of cylindrical bone-like porous materials subject to acoustic waves. International Journal of Mechanical Sciences, 2022, 213, 106835.   Two-Phase Computational Model for Small-Amplitude Wave Propagation in a Saturated Porous Medium. , 2020, , 313-320.	0.5 3.6	0 5 8 1
2862 2863 2866 2868 2869	Variational Principles in Numerical Practice. , 2020, , 2662-2670.Bayesian inference of human bone sample properties using ultrasonic reflected signals. Journal of the Acoustical Society of America, 2020, 148, 3797-3808.Three-dimensional biomechanical modeling of cylindrical bone-like porous materials subject to acoustic waves. International Journal of Mechanical Sciences, 2022, 213, 106835.Two-Phase Computational Model for Small-Amplitude Wave Propagation in a Saturated Porous Medium. , 2020, , 313-320.Sensitivity Analysis of Porous Material Using the Mixed Formulation. Lecture Notes in Mechanical Engineering, 2020, , 105-112.	0.5 3.6 0.3	0 5 8 1 0
2862 2863 2866 2868 2869 2870	Variational Principles in Numerical Practice. , 2020, , 2662-2670.Bayesian inference of human bone sample properties using ultrasonic reflected signals. Journal of the Acoustical Society of America, 2020, 148, 3797-3808.Three-dimensional biomechanical modeling of cylindrical bone-like porous materials subject to acoustic waves. International Journal of Mechanical Sciences, 2022, 213, 106835.Two-Phase Computational Model for Small-Amplitude Wave Propagation in a Saturated Porous Medium. , 2020, , 313-320.Sensitivity Analysis of Porous Material Using the Mixed Formulation. Lecture Notes in Mechanical Engineering, 2020, , 105-112.Numerical Methods for Modelling andÂSimulation of Porous Materials. Topics in Applied Physics, 2021, , 333-366.	0.5 3.6 0.3 0.4	0 5 8 1 0
2862 2863 2866 2868 2869 2870 2871	Variational Principles in Numerical Practice. , 2020, , 2662-2670.Bayesian inference of human bone sample properties using ultrasonic reflected signals. Journal of the Acoustical Society of America, 2020, 148, 3797-3808.Three-dimensional biomechanical modeling of cylindrical bone-like porous materials subject to acoustic waves. International Journal of Mechanical Sciences, 2022, 213, 106835.Two-Phase Computational Model for Small-Amplitude Wave Propagation in a Saturated Porous Medium. , 2020, , 313-320.Sensitivity Analysis of Porous Material Using the Mixed Formulation. Lecture Notes in Mechanical Engineering, 2020, , 105-112.Numerical Methods for Modelling andÂSimulation of Porous Materials. Topics in Applied Physics, 2021, , 333-366.Simulation of cancer prognosis. Journal of Micromechanics and Molecular Physics, 2020, 05, 2050004.	0.5 3.6 0.3 0.4 0.7	0 5 8 1 0 0
2862 2863 2866 2868 2869 2870 2871 2872	Variational Principles in Numerical Practice. , 2020, , 2662-2670.Bayesian inference of human bone sample properties using ultrasonic reflected signals. Journal of the Acoustical Society of America, 2020, 148, 3797-3808.Three-dimensional biomechanical modeling of cylindrical bone-like porous materials subject to acoustic waves. International Journal of Mechanical Sciences, 2022, 213, 106835.Two-Phase Computational Model for Small-Amplitude Wave Propagation in a Saturated Porous Medium. , 2020, , 313-320.Sensitivity Analysis of Porous Material Using the Mixed Formulation. Lecture Notes in Mechanical Engineering, 2020, , 105-112.Numerical Methods for Modelling andÂSimulation of Porous Materials. Topics in Applied Physics, 2021, , 333-366.Simulation of cancer prognosis. Journal of Micromechanics and Molecular Physics, 2020, 05, 2050004.Characterization of damage processes in Montney siltstone under triaxial compression using acoustic emission and diagnostic imaging. Geophysical Journal International, 2021, 228, 2005-2017.	0.5 3.6 0.3 0.4 0.7 1.0	0 5 8 1 0 0 1 1 3

#	Article	IF	Citations
2874	4-D SEISMICS, GAS-HYDRATE DETECTION AND OVERPRESSURE PREDICTION AS A COMBINED METHODOLOGY FOR APPLICATION TO CO2 SEQUESTRATION. , 2006, , 315-323.		0
2875	Acoustics in elastic porous media. , 1987, , 85-102.		0
2879	Modeling wave dispersion and attenuation characteristics of complex porous media containing multi-type and multi-scale heterogeneities. , 2020, , .		0
2880	Dissipation factors of inhomogeneous seismic waves in porous media and their special forms. , 2020, , .		0
2881	Poroelastic effects of the damaged zone on fracture reflectivity and normal compliance. , 2020, , .		0
2882	A study on the influence of salinity interfaces on borehole seismoelectric wavefields. Geophysics, 2020, 85, D167-D180.	1.4	5
2883	POROUS MEDIUM MAGNETOHYDRODYNAMICS. Acta Mathematica Scientia, 1982, 2, 465-481.	0.5	0
2885	Vertical Dynamic Response of a Pile Embedded in Layered Transversely Isotropic Unsaturated Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	1.5	15
2886	A three-dimensional indirect boundary integral equation method for the scattering of seismic waves in a poroelastic layered half-space. Engineering Analysis With Boundary Elements, 2022, 135, 167-181.	2.0	28
2887	THMC constitutive model for membrane geomaterials based on Mixture Coupling Theory. International Journal of Engineering Science, 2022, 171, 103605.	2.7	7
2888	A New Approach to Predict Hydrogeological Parameters Using Shear Waves from the Multichannel Analysis of Surface Waves Method. Journal of Environmental and Engineering Geophysics, 2021, 26, 195-208.	1.0	0
2889	Numerical Simulation of Acoustic Scattering by a Cylinder Based on the Enhanced Optimized Scheme. Journal of Physics: Conference Series, 2021, 2101, 012030.	0.3	0
2890	Modeling seismic wave propagation in TTI media using multiaxial complex frequency shifted nearly perfectly matched layer method. Acta Geophysica, 2022, 70, 89-109.	1.0	2
2891	Effect of Turbine Weight on the Seismic Response of a Wind Turbine-Monopile System Located in Liquefied Multilayer Soil. Shock and Vibration, 2021, 2021, 1-22.	0.3	1
2892	Propagation behavior of homogeneous plane-P1-wave at the interface between a thermoelastic solid medium and an unsaturated porothermoelastic medium. European Physical Journal Plus, 2021, 136, 1.	1.2	11
2893	A New Anelasticity Model for Wave Propagation in Partially Saturated Rocks. Energies, 2021, 14, 7619.	1.6	1
2894	Seismic wave equation formulated by generalized viscoelasticity in fluid-saturated porous media. Geophysics, 0, , 1-37.	1.4	6
2895	Dataâ€Driven Design of Waveâ€Propagation Models for Shaleâ€Oil Reservoirs Based on Machine Learning. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022665.	1.4	13

#	Article	IF	CITATIONS
2896	An Adaptive Order Finite Element Method for poroelastic materials described through the Biot equations. International Journal for Numerical Methods in Engineering, 0, , .	1.5	1
2897	Thermodynamically compatible hyperbolic model of a compressible multiphase flow in a deformable porous medium and its application to wavefields modeling. AIP Conference Proceedings, 2021, , .	0.3	2
2898	Elastic wave propagation in rocks. Developments in Petroleum Science, 2021, , 259-318.	0.2	0
2900	General nonlocal Kelvin–Voigt viscoelasticity: application to wave propagation in viscoelastic media. Acta Mechanica, 2022, 233, 57-67.	1.1	4
2902	Investigating the rheology of fluidized and non-fluidized gas-particle beds: implications for the dynamics of geophysical flows and substrate entrainment. Granular Matter, 2022, 24, 1.	1.1	6
2903	Equations and fundamental characteristics of compressional waves propagating in fluid-saturated porous materials. International Journal of Engineering Science, 2022, 171, 103619.	2.7	2
2904	Interaction of Beams with Consolidating Nonlinear Poroelastic Layered Soil. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	0
2905	Effect of fractional interporosity flow on elastic waves propagation through a fluid-saturated double-porosity interlayer. Soil Dynamics and Earthquake Engineering, 2022, 154, 107132.	1.9	1
2906	Fillunger–Heinrich's Theory of Porodynamics: Predictive Power and Analytical Solution. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	1
2907	Sea Bottom Inversion Using Echo-sounder Measurements for Underwater Applications. , 2020, , .		0
2908	VARIATIONAL FORMULATION OF COUPLED HYDRODYNAMIC PROBLEMS. Journal of Applied Mechanics and Technical Physics, 2021, 62, 828-841.	0.1	2
2909	Biot's equations-based reservoir parameter inversion using deep neural networks. Journal of Geophysics and Engineering, 2021, 18, 862-874.	0.7	5
2910	SIMULATION OF WAVE PROPAGATION ACCELERATIONS IN A THREE-COMPONENT MEDIUM DURING THE FORMATION OF A COMPOSITE COATING PLASMA SPRAYING. Voronezh Scientific-Technical Bulletin, 2022, 2, 3-9.	0.0	0
2911	Meshfree Methods in Geohazards Prevention: A Survey. Archives of Computational Methods in Engineering, 2022, 29, 3151-3182.	6.0	4
2912	Estimation of the Squirt-Flow Length Based on Crack Properties in Tight Sandstones. Lithosphere, 2022, 2021, .	0.6	1
2913	A Rigorous Coupled Flow-Geomechanics Semianalytical Approach for Analyzing Early Flowback Data from Multifractured Horizontal Wells with Complex Fracture Geometry. , 2022, , .		0
2914	Wave propagation characteristics in media with a solid in pores. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.2	1
2915	Dynamic Responses of a Multilayered Transversely Isotropic Poroelastic Seabed Subjected to Ocean Waves and Currents. Journal of Marine Science and Engineering, 2022, 10, 73.	1.2	6

#	Article	IF	CITATIONS
2916	Eruption cycles of Mount Etna triggered by seasonal climatic rainfall. Journal of Geodynamics, 2022, 149, 101896.	0.7	9
2917	Moving cracks in drying colloidal films. Soft Matter, 2022, 18, 2252-2275.	1.2	2
2918	Acoustic Wave Propagation in a Borehole with a Gas Hydrate-Bearing Sediment. Journal of Marine Science and Engineering, 2022, 10, 235.	1.2	5
2919	The Viscoelastic Solution to Geertsma's Subsidence Problem. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	1.1	4
2920	Dynamic response of a transversely isotropic and multilayered poroelastic medium subjected to a moving load. Soil Dynamics and Earthquake Engineering, 2022, 155, 107154.	1.9	15
2921	Multiâ€objective Optimization of Geothermal Extraction from the Enhanced Geothermal System in Qiabuqia Geothermal Field, Gonghe Basin. Acta Geologica Sinica, 2021, 95, 1844-1856.	0.8	17
2922	Learning stable seismic wave equations for porous media from real data. Geophysical Journal International, 2022, 230, 349-362.	1.0	2
2923	Effective elastic properties for 3D real fractures based on finite-element modeling. , 2022, , .		0
2924	Theoretical modelling of seismic dispersion, attenuation and frequency-dependent anisotropy in a fluid-saturated porous rock with intersecting fractures. Geophysical Journal International, 2022, 230, 580-606.	1.0	15
2925	Anisotropic Effective Elastic Properties for Multi-Dimensional Fractured Models. Applied Sciences (Switzerland), 2022, 12, 1873.	1.3	1
2926	Evaluation of the impact of strain-dependent permeability on reservoir productivity using iterative coupled reservoir geomechanical modeling. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2022, 8, 1.	1.3	5
2927	Finite element investigations of the fluid-solid behaviour in a bio-inspired poroelastic bearing. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2022, 236, 1531-1544.	1.0	1
2928	Effects of Fracture Connectivity on Rayleigh Wave Dispersion. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	2
2929	Generalized Effective Biot Theory and Seismic Wave Propagation in Anisotropic, Poroviscoelastic Media. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	16
2930	Characteristics of sound speed in four seafloor sedimentary types in the South China Sea. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	2
2931	Dynamic behavior of material strength due to the effect of prestress, aeolotropy, non-homogeneity, irregularity, and porosity on the propagation of torsional waves. Acta Mechanica, 2022, 233, 1125-1146.	1.1	9
2932	A Numerical Study of Hydraulic Fracture Propagation Geometry in a Layered Shale Reservoir. Geofluids, 2022, 2022, 1-16.	0.3	0
2933	Using Sentinel-1 and GRACE satellite data to monitor the hydrological variations within the Tulare Basin, California. Scientific Reports, 2022, 12, 3867.	1.6	14

#	Article	IF	Citations
2934	Spectral boundary integral method for simulating static and dynamic fields from a fault rupture in a poroelastodynamic solid. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2022, 8, 73.	1.3	2
2935	An Assessment of Geophysical Survey Techniques for Characterising the Subsurface Around Glacier Margins, and Recommendations for Future Applications. Frontiers in Earth Science, 2022, 10, .	0.8	4
2936	Amplification Behaviour of Compressional Waves in Unconsolidated Sediments. Frontiers in Earth Science, 2022, 10, .	0.8	1
2937	Probabilistic analysis of land subsidence due to pumping by Biot poroelasticity and random field theory. Journal of Engineering and Applied Science, 2022, 69, .	0.8	3
2938	Poroelastic modeling of pore pressure development in granular pavement layers. International Journal of Pavement Engineering, 2023, 24, .	2.2	0
2939	An Approach for Predicting the Effective Stress Field in Low-Permeability Reservoirs Based on Reservoir-Geomechanics Coupling. Processes, 2022, 10, 633.	1.3	5
2940	Fully coupled modeling of two-phase fluid flow and geomechanics in ultra-deep natural gas reservoirs. Physics of Fluids, 2022, 34, .	1.6	40
2941	An efficient ADER-DG local time stepping scheme for 3D HPC simulation of seismic waves in poroelastic media. Journal of Computational Physics, 2022, 455, 110886.	1.9	7
2943	A unified approach for stress wave propagation in transversely isotropic elastic and poroelastic layered media. Soil Dynamics and Earthquake Engineering, 2022, 157, 107152.	1.9	7
2945	Potential flow theory-based analytical and numerical modelling of porous and perforated breakwaters: A review. Ocean Engineering, 2022, 249, 110897.	1.9	19
2946	An analytical investigation on the effect of fluid seepage on collapse pressure in elliptical wellbore. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	0
2947	Porosity reconstruction based on Biot elastic model of porous media by homotopy perturbation method. Chaos, Solitons and Fractals, 2022, 158, 112007.	2.5	20
2948	Seismic emissions reveal the mechanical stratigraphy of the Middle Paleozoic section under the Appalachian Plateau, Pennsylvania. , 2022, , .		0
2949	Transient dynamic response of cylindrical lining in unsaturated soils induced by internal loads. Mechanics of Solids, 2021, 56, 1076-1090.	0.3	Ο
2950	A Semi-Analytical Geomechanical Approach for Forecasting Production Performance in Multifractured Composite Systems. , 2021, , .		0
2953	Influence of Fluid Distribution on Seismic Dispersion and Attenuation in Partially Saturated Limestone. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	8
2954	Prediction of sound absorption performance of fibers coming from cigarette butts using a phenomenological model. Journal of Industrial Textiles, 0, , 152808372210972.	1.1	0
2955	Dynamic water potential waves in unsaturated soils. Advances in Water Resources, 2022, 165, 104198.	1.7	3

#	Article	IF	Citations
2958	Finite Element Predictions of Centrifuge Tests on Liquefiable Reinforced Soils. , 0, , .		0
2959	Ultrasonic Assessment of Cancellous Bone Based on the Two-Wave Phenomenon. Advances in Experimental Medicine and Biology, 2022, 1364, 119-143.	0.8	0
2960	Dynamic Responses of a Pile with a Cap under the Freezing and Thawing Processes of a Saturated Porous Media Considering Slippage between Pile and Soil. Applied Sciences (Switzerland), 2022, 12, 4214.	1.3	4
2961	Thermodynamically consistent non-local damage formulation for fluid-driven fracture in poro-viscoelastic media. Acta Geotechnica, 0, , .	2.9	6
2962	Numerical investigation of the factors affecting the cement sheath integrity in hydraulically fractured wells. Journal of Petroleum Science and Engineering, 2022, 215, 110582.	2.1	3
2963	Rock Strata Failure Behavior of Deep Ordovician Limestone Aquifer and Multi-level Control Technology of Water Inrush Based on Microseismic Monitoring and Numerical Methods. Rock Mechanics and Rock Engineering, 2022, 55, 4591-4614.	2.6	18
2964	A computational approach based on extended finite element method for thin porous layers in acoustic problems. International Journal for Numerical Methods in Engineering, 2022, 123, 4209-4243.	1.5	2
2965	Drying-induced stresses in poroelastic drops on rigid substrates. Physical Review E, 2022, 105, .	0.8	2
2966	Integral representation of hydraulic permeability. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2023, 153, 907-936.	0.8	2
2967	A unified model including non-Darcy flow and viscoelastic mechanisms in tight rocks. Geophysics, 2022, 87, MR189-MR199.	1.4	2
2968	Pore-pressure wave and diffusion induced by fluid-mass sources in partially saturated porous media. Advances in Water Resources, 2022, 164, 104218.	1.7	0
2969	Effect of the porous surface layer on wave propagation in an elastic cylinder immersed in fluid. Chinese Physics B, O, , .	0.7	0
2970	The poroviscoelastodynamic solution to Mandel's problem. Journal of Sound and Vibration, 2022, 530, 116987.	2.1	1
2971	Axis-symmetric analysis of layered transversely isotropic saturated elastic soils containing a monopile under time-harmonic vibration. Journal of Sound and Vibration, 2022, 530, 116983.	2.1	9
2972	A Fully Coupled Hydro-Mechanical-Gas Model Based on Mixture Coupling Theory. Transport in Porous Media, 2022, 143, 47-68.	1.2	3
2973	Dynamic behaviour of layered transversely isotropic poroelastic media subjected to rectangular harmonic loads. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 1941-1955.	1.7	2
2974	Numerical modeling of seepage and deformation of unsaturated slope subjected to post-earthquake rainfall. Computers and Geotechnics, 2022, 148, 104791.	2.3	14
2975	Fluid flow in a cylindrical porous frame with regard to the Darcy type interactive forces and frontal pres. Izvestiya MGTU MAMI, 2013, 7, 152-156.	0.1	0

#	Article	IF	CITATIONS
2976	Force relaxation of contact between a flat-ended cylindrical indenter and a poroviscoelastic layer. International Journal of Solids and Structures, 2022, 250, 111712.	1.3	1
2977	Dynamic permeability in porous media and identification of pore fluids by using borehole Stoneley wave. Journal of Geophysics and Engineering, 2022, 19, 336-345.	0.7	0
2978	Three-dimensional phase field feature of longitudinal hydraulic fracture propagation in naturally layered rocks under stress boundaries. Engineering With Computers, 2023, 39, 711-734.	3.5	5
2979	Modelling elastic properties of partially saturated porous rocks with aligned fractures. Geophysical Journal International, 0, , .	1.0	1
2980	Numerical Upscaling of Seismic Signatures of Poroelastic Rocks Containing Mesoscopic Fluidâ€Saturated Voids. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	4
2981	Effect of grid-form deep soil mixing on the liquefaction-induced foundation settlement, using numerical approach. Arabian Journal of Geosciences, 2022, 15, .	0.6	21
2982	Dynamic Responses of the Pile-Saturated-Soil System to a Moving Load. Journal of Physics: Conference Series, 2022, 2202, 012002.	0.3	0
2983	Uncertainty quantification in the analysis of liquefied soil response through Fuzzy Finite Element method. Acta Geodynamica Et Geomaterialia, 2022, , 177-199.	0.3	0
2984	Wave-induced fluid pressure diffusion and anelasticity in partially saturated rocks: The influences of boundary conditions. Geophysics, 2022, 87, MR247-MR263.	1.4	5
2985	Study Of Symmetrical And Anti-Symmetrical Edge Waves In Double Porosity Semi-Infinite Thin Plate – Plane Stress Problem. Mechanics of Solids, 2022, 57, 629-643.	0.3	0
2986	Stress-Dependent Anisotropic Rock Physics Modelling in Organic Shales of the Inoceramus Formation, Austral Basin, Argentina. Pure and Applied Geophysics, 0, , .	0.8	2
2987	Vertical vibration of a rigid strip footing on a half-space of unsaturated porous soil. Computers and Geotechnics, 2022, 148, 104840.	2.3	1
2988	Seismoelectric Wave Propagation Simulation by Combining Poro-Viscoelastic Anisotropic Model With Cole–Cole Depression Model. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	2.7	1
2989	Study on reflection and transmission characteristics of shear waves at sediment layer interface. Applied Geophysics, 2022, 19, 53-64.	0.1	1
2990	Viability assessment of integrated P- and S-wave surveys using ultrasound. Earth Sciences and Subsoil Use, 2022, 45, 8-33.	0.1	0
2991	Can we use seismic reflection data to infer the interconnectivity of fracture networks?. Geophysical Journal International, 2022, 231, 996-1010.	1.0	2
2992	Reflection of inhomogeneous plane waves at the surface of an unsaturated porothermoelastic media. European Physical Journal Plus, 2022, 137, .	1.2	2
2993	The Role of the Relative Fluid Velocity in an Objective Continuum Theory of Finite Strain Poroelasticity. Journal of Elasticity, 2022, 150, 151-196.	0.9	2

#	Article	IF	CITATIONS
2994	Onset of nonlinearity in oscillatory flow through a hexagonal sphere pack. Journal of Fluid Mechanics, 2022, 944, .	1.4	4
2995	Mandel's problem as a benchmark for two-dimensional nonlinear poroelasticity. Applicable Analysis, 2022, 101, 4267-4293.	0.6	1
2996	Amplitude variation with incidence angle inversion of fluid parameters in porous media using an accurate estimation of the Jacobian matrix. Geophysics, 2022, 87, N95-N113.	1.4	1
2997	Investigation of Hydro-mechanical Behaviour of Excavation Induced Damage Zone of Callovo-Oxfordian Claystone: Numerical Modeling and In-situ Experiment. Rock Mechanics and Rock Engineering, 2022, 55, 6079-6102.	2.6	2
2998	Elastic characteristics of fault damage zones within superdeep carbonates in Tarim Basin, Northwest China. Journal of Geophysics and Engineering, 2022, 19, 650-662.	0.7	0
2999	Enhancing solute transport by pressure-wave driven flow in unsaturated porous media. Journal of Hydrology, 2022, 612, 128196.	2.3	4
3000	Biot-spherical squirt (BISSQ) model for wave attenuation and dispersion. Geophysical Journal International, 0, , .	1.0	1
3001	On the Scattering of Love Waves in a Layered Transversely Isotropic Irregular Poro-viscoelastic Composite Rock Structure. Journal of Earthquake Engineering, 2023, 27, 1900-1919.	1.4	2
3002	On constitutive modelling of linear poroviscoelastic solids. International Journal of Engineering Science, 2022, 178, 103728.	2.7	2
3003	Role of pressure and pore microstructure on seismic attenuation and dispersion of fluid-saturated rocks: laboratory experiments and theoretical modelling. Geophysical Journal International, 2022, 231, 1917-1937.	1.0	3
3004	New Unsaturated Dynamic Porosity Hydromechanical Coupled Model and Experimental Validation. International Journal of Geomechanics, 2022, 22, .	1.3	1
3005	Rayleigh waves in thermoelasticity: Triple porous media in local thermal non-equilibrium. Mathematics and Mechanics of Solids, 0, , 108128652211089.	1.5	0
3006	Approach for defective floating pile embedded in layered saturated soils and application in pile integrity test. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 2893-2912.	1.7	8
3007	Time domain numerical modeling of wave propagation in poroelastic media with Chebyshev rational approximation of the fractional attenuation. Mathematical Methods in the Applied Sciences, 0, , .	1.2	0
3008	Modeling the effect of gas adsorption on elastic properties of unconventional shale reservoir. , 2022, , .		0
3009	Coupling Mechanism of Coal Body Stress–Seepage around a Water Injection Borehole. Sustainability, 2022, 14, 9599.	1.6	5
3010	Wave propagation in double-porosity thermoelastic media. Geophysics, 2022, 87, MR265-MR277.	1.4	4
3011	Comparative morphology and soft tissue histology of the remoteâ€ŧouch billâ€ŧip organ in three ibis species of differing foraging ecology. Journal of Anatomy, 2022, 241, 966-980.	0.9	5

#	Article	IF	CITATIONS
3012	Dynamic SVâ€Wave Signatures of Fluid‣aturated Porous Rocks Containing Intersecting Fractures. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	11
3013	Microseismic wavefield propagation in a fractureâ€induced anisotropic medium based on a general dislocation source model. Geophysical Prospecting, 2022, 70, 1367-1379.	1.0	0
3014	Acoustic and Electrical Properties of Tight Rocks: A Comparative Study Between Experiment and Theory. Surveys in Geophysics, 2022, 43, 1761-1791.	2.1	7
3015	Short- and Long-Term Responses of Reservoir Rock Induced by CO2 Injection. Rock Mechanics and Rock Engineering, 2022, 55, 6605-6625.	2.6	3
3016	Variational geometric approach to the thermodynamics of porous media. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, .	0.9	4
3017	Semi-analytical approach for nondestructive test for offshore pipe piles considering soil-pile slippage induced by heavy hammer impact. Ocean Engineering, 2022, 260, 112080.	1.9	6
3018	Phase-field method of crack branching during SC-CO2 fracturing: A new energy release rate criterion coupling pore pressure gradient. Computer Methods in Applied Mechanics and Engineering, 2022, 399, 115366.	3.4	20
3019	3D coupled FEM-IBIEM for non-linear seismic response of a sedimentary basin using equivalent-linearized soil model. Computers and Geosciences, 2022, 167, 105199.	2.0	1
3020	Analytical solution for kinematic response of offshore piles under vertically propagating S-waves. Ocean Engineering, 2022, 262, 112018.	1.9	20
3021	Dynamic response of pile group in two-layered soils under scour condition by FEM-ALEM approach. Applied Mathematical Modelling, 2022, 112, 341-357.	2.2	3
3022	Soil-pile-quay wall interaction in liquefaction-induced lateral spreading ground. Ocean Engineering, 2022, 264, 112592.	1.9	1
3023	Electromagnetic field generated by acoustic wave scattering at a poroelastic inclusion located in a fluid. International Journal of Engineering Science, 2022, 181, 103766.	2.7	2
3024	Three-dimensional analytical solution for fluid-saturated transversely isotropic poroelastic multilayer formation. Engineering Analysis With Boundary Elements, 2022, 145, 46-58.	2.0	2
3025	Ground Motion Amplification by a Rectangular Tunnel in a Saturated Poroelastic Half-Space. Geotechnical, Geological and Earthquake Engineering, 2022, , 1049-1056.	0.1	0
3026	Biot theory for porous media. , 2022, , 329-511.		0
3028	SOIL-WATER COUPLED ANALYSIS METHOD WITH CAM-CLAY MODEL BASED ON MULTIPLICATIVE DECOMPOSITION OF DEFORMATION GRADIENT. Journal of Japan Society of Civil Engineers Ser C (Geosphere Engineering), 2022, 78, 251-260.	0.1	0
3029	One-Dimensional Wave Propagation and Liquefaction in a Soil Column with a Multi-scale Finite-Difference/DEM Method. Geotechnical, Geological and Earthquake Engineering, 2022, , 2196-2203.	0.1	0
3030	Seismic Liquefaction Resistance Based on Strain Energy Concept Considering Fine Content Value Effect and Performance Parametric Sensitivity Analysis. CMES - Computer Modeling in Engineering and Sciences, 2023, 135, 733-754.	0.8	0

#	Article	IF	CITATIONS
3031	Chemically Reacting Jeffrey Fluid Flow Over a Deformable Porous Layer with Entropy Generation Analysis. International Journal of Applied Mechanics and Engineering, 2022, 27, 36-48.	0.3	0
3032	Mechanical Compliance of Individual Fractures in a Heterogeneous Rock Mass From Productionâ€Type Fullâ€Waveform Sonic Data. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	2
3033	Dynamic Responses of Saturated Soil Foundation Subjected to a Moving Strip Load Based on the Nonlocal-Biot Theory. Journal of Vibration Engineering and Technologies, 0, , .	1.3	1
3034	Effect of Supercritical CO2 on the Poroelastic Characteristics of Poorly Cemented Sandstone Reservoirs During Depletion and Injection. , 2022, , .		1
3035	Forward calculation of displacement fields with multilayered unsaturated highway system induced by falling weight deflectometer using dynamic response method. Transportation Geotechnics, 2023, 38, 100866.	2.0	1
3036	Influence of defects on the lateral dynamic characteristics of offshore piles considering hydrodynamic pressure. Ocean Engineering, 2022, 260, 111894.	1.9	15
3037	Discontinuous curvilinear collocated grid combined with nonuniform time step Runge-Kutta scheme for poroelastic finite-difference modeling. Geophysics, 2023, 88, T1-T12.	1.4	1
3038	Acoustic Propagation Characteristics of Unsaturated Porous Media Containing CO2 and Oil. Applied Sciences (Switzerland), 2022, 12, 8899.	1.3	0
3039	Coupled horizontal and rocking vibrations of a rigid circular disc on the surface of a transversely isotropic and layered poroelastic halfâ€space. Applied Mathematical Modelling, 2023, 114, 270-290.	2.2	9
3040	Application ofÂanÂIndirect Trefftz Method (Wave Based Method) forÂtheÂSpectral Analysis ofÂ2D Unbounded Saturated Porous Media. Mechanisms and Machine Science, 2023, , 307-316.	0.3	1
3041	Hierarchical wave-mode separation in poroelastic medium using eigenform analysis. Geophysics, 0, , 1-50.	1.4	1
3042	Propagation of Love-Type Wave in an Imperfectly Bonded Double-Porous Composite Rock Structure Impacted by Liquid Loading. International Journal of Geomechanics, 2022, 22, .	1.3	3
3043	Contributions of thermo-poroelastic and chemical effects to the production of enhanced geothermal system based on thermo-hydro-mechanical-chemical modeling. Journal of Cleaner Production, 2022, 377, 134471.	4.6	13
3044	On the Solvability of a One-Dimensional Problem of Filtration Consolidation with a Limiting Gradient. Lecture Notes in Computational Science and Engineering, 2022, , 231-245.	0.1	1
3045	Theory of sleep/wake cycles affecting brain elastography. Physics in Medicine and Biology, 2022, 67, 225013.	1.6	4
3046	First-order approximate analytical expressions of oblique incident elastic wave at an interface of porous media saturated with a non-viscous fluid. Petroleum Science, 2022, 19, 2720-2740.	2.4	1
3047	Stress Effects on Wave Velocities of Rocks: Contribution of Crack Closure, Squirt Flow and Acoustoelasticity. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	3
3048	Numerical modeling of the co-seismic electromagnetic signals observed during the 2014 Mw 4.9 Hammam Melouane earthquake, Northern Algeria. Journal of Applied Geophysics, 2022, 206, 104840.	0.9	0

#	Article	IF	CITATIONS
3049	Lateral dynamics of a monopile partially embedded in layered saturated soil with radial disturbance. Ocean Engineering, 2022, 266, 113010.	1.9	4
3050	The effect of porosity on the elastic properties of cortical bone and ultrasound propagation. International Journal of Engineering Science, 2023, 182, 103772.	2.7	5
3051	Electromagnetic field excitation during the scattering of an acoustic wave on an inhomogeneity in a poroelastic medium. International Journal of Engineering Science, 2023, 182, 103784.	2.7	1
3052	Exact artificial boundary condition and 1D time-domain method for seismic response analysis of layered saturated poroelastic half-space. Soil Dynamics and Earthquake Engineering, 2023, 164, 107577.	1.9	1
3053	Detecting and characterizing fractures in sedimentary deposits with stoneley waves. CTyF - Ciencia, Tecnologia Y Futuro, 2010, 4, 7-19.	0.3	0
3054	1923–2023: One Century since Formulation of the Effective Stress Principle, the Consolidation Theory and Fluid–Porous-Solid Interaction Models. Geotechnics, 2022, 2, 961-988.	1.2	5
3055	Fluid-Driven Fracturing of Rock Mass: A Review. Indian Geotechnical Journal, 0, , .	0.7	0
3056	Effect of Stress on Wave Propagation in Fluid-Saturated Porous Thermoelastic Media. Surveys in Geophysics, 2023, 44, 425-462.	2.1	5
3057	Polymer Injection to Remediate Liquefaction Induced Foundation Settlement: Numerical Simulation of Shake Table Experiments. , 2022, , .		0
3058	Seismic response analysis of high-rise frame-core tube building on fluid-saturated soil considering soil-pile-structure interaction. Journal of Building Engineering, 2023, 63, 105563.	1.6	0
3059	Formulations of the Elastodynamic Equations in Anisotropic and Multiphasic Porous Media from the Principle of Energy Conservation. Progress of Theoretical and Experimental Physics, 0, , .	1.8	0
3060	A Proposal for a Novel Formulation Based on the Hyperbolic Cattaneo's Equation to Describe the Mechano-Transduction Process Occurring in Bone Remodeling. Symmetry, 2022, 14, 2436.	1.1	2
3061	Analysis of seawater-sediment-bedrock interaction model under obliquely incident P-SV waves with arbitrary angles. Applied Ocean Research, 2023, 130, 103437.	1.8	3
3062	New method to calculate the kinematic response of offshore pipe piles under seismic S-waves. Soil Dynamics and Earthquake Engineering, 2023, 165, 107651.	1.9	15
3063	Transverse penny-shaped hydraulic fracture propagation in naturally-layered rocks under stress boundaries: A 3D phase field modeling. Computers and Geotechnics, 2023, 155, 105205.	2.3	5
3064	Micromechanical analysis of the effective stiffness of poroelastic composites. European Journal of Mechanics, A/Solids, 2023, 98, 104875.	2.1	7
3065	Pore space attributes of nonconventional reservoirs. Developments in Petroleum Science, 2022, , 161-226.	0.2	0
3066	Seismic performance and vulnerability of gravity quay wall in sites susceptible to liquefaction. Acta Geotechnica, 2023, 18, 2733-2754.	2.9	1

#	ARTICLE	IF	CITATIONS
3067	Second-order Stokes wave-induced dynamic response and instantaneous liquefaction in a transversely isotropic and multilayered poroelastic seabed. Frontiers in Marine Science, 0, 9, .	1.2	2
3068	Near-surface seismic anisotropy in Antarctic glacial snow and ice revealed by high-frequency ambient noise. Journal of Glaciology, 0, , 1-17.	1.1	2
3069	Ultrasonic Attenuation of Ceramic and Inorganic Materials Using the Through-Transmission Method. Applied Sciences (Switzerland), 2022, 12, 13026.	1.3	4
3070	Multiphysics Modeling of Volcanic Unrest at Mt. Ruapehu (New Zealand). Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	3
3071	Analytical Modeling of Elastic Moduli Dispersion and Poromechanical Responses of a Dual-Porosity Dual-Permeability Porous Cylinder Under Dynamic Forced Deformation Test. Rock Mechanics and Rock Engineering, 2023, 56, 2249-2269.	2.6	1
3072	A logical error in Gassmann poroelasticity. Geophysical Prospecting, 2023, 71, 649-663.	1.0	3
3073	Love wave propagation characteristics in a fluid-saturated cracked double porous layered structure. Mechanics of Advanced Materials and Structures, 0, , 1-13.	1.5	1
3074	Stress release mechanism of deep bottom hole rock by ultra-high-pressure water jet slotting. Petroleum Science, 2023, 20, 1828-1842.	2.4	5
3075	Natural composite as alternative material for sound absorbing application. , 2022, , .		0
3076	Numerical investigation on seismoelectric wave fields in porous media: porosity and permeability. Journal of Geophysics and Engineering, 2023, 20, 1-11.	0.7	1
3077	Competition growth of biwing hydraulic fractures in naturally fractured reservoirs. , 2023, 109, 204873.		4
3078	Multi-Scale Modeling and Simulation of Transport Processes in an Elastically Deformable Perforated Medium. Transport in Porous Media, 0, , .	1.2	0
3079	Unified framework based parallel FEM code for simulating marine seismoacoustic scattering. Frontiers in Earth Science, 0, 10, .	0.8	0
3080	Dynamic soil response around two-layered detached breakwaters: Three-dimensional OpenFOAM model. Ocean Engineering, 2023, 268, 113582.	1.9	2
3081	Discovery of pockmarks in the Zengmu Basin, southern South China Sea and the implication. Journal of Oceanology and Limnology, 0, , .	0.6	1
3082	Propagation of acoustic wave and analysis of borehole acoustic field in porous medium of heterogeneous viscous fluid. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 050401.	0.2	2
3083	Effects of pressure and fluid properties on P-wave velocity and attenuation of tight sandstones. Frontiers in Earth Science, 0, 10, .	0.8	3
3084	Effect of Randomness of Parameters on Amplification of Ground Motion in Saturated Sedimentary Valley. Applied Sciences (Switzerland), 2023, 13, 1147.	1.3	0

#	Article	IF	CITATIONS
3085	Variation on propagation of Rayleigh waves in thermo-poroelastic solids. Waves in Random and Complex Media, 0, , 1-19.	1.6	0
3086	Effects of the fluid-solid interface conditions on the dynamic responses of the saturated seabed during earthquakes. Soil Dynamics and Earthquake Engineering, 2023, 165, 107728.	1.9	2
3087	Extended reacting boundary modeling of porous materials with thin coverings for time-domain room acoustic simulations. Journal of Sound and Vibration, 2023, 548, 117550.	2.1	2
3088	Influence factors on the nonlocal parameter and scale factor in strain gradient nonlocal Biot theory. Soil Dynamics and Earthquake Engineering, 2023, 166, 107779.	1.9	0
3089	Acoustic Propagation in Ocean Sediments using Biot Model. , 2022, , .		1
3090	Stress Relaxing Simulation on Digital Rock: Characterize Attenuation Due To Waveâ€Induced Fluid Flow and Scattering. Journal of Geophysical Research: Solid Earth, 2023, 128, .	1.4	2
3091	Characteristics of dispersion and attenuation with a unified multiscale model in porous medium containing saturated fluid and multiscale fractures. Geophysics, 2023, 88, MR83-MR93.	1.4	2
3092	NONLINEAR WAVE DYNAMICS OF LIQUID-SATURATED POROUS MEDIA. Interfacial Phenomena and Heat Transfer, 2023, , .	0.3	Ο
3093	Elastic wave propagation characteristics in unsaturated double-porosity medium under capillary pressure. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 069101.	0.2	1
3094	本å¾å"åå¹¼,性å⁻¹åœ°éœ‡æ³¢é¢'æ•£ã€è¡°å‡ë,Žé¢'å∙å"å'å¼,性的影哕 Chinese Science Bulletin, 2023,	,0.4	2
3095	Evanescent waves in hybrid poroelastic metamaterials with interface effects. International Journal of Mechanical Sciences, 2023, 247, 108154.	3.6	2
3096	Modeling the Effect of Multiscale Heterogeneities on Wave Attenuation and Velocity Dispersion. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-17.	2.7	2
3097	Surface-Wave Anelasticity in Porous Media: Effects of Wave-Induced Mesoscopic Flow. Surveys in Geophysics, 0, , .	2.1	0
3098	Mathematical Theory of Nonlinear Single-Phase Poroelasticity. Journal of Nonlinear Science, 2023, 33, .	1.0	2
3099	Vertical vibration of rigid strip footings on poroelastic soil layer of finite thickness. Soil Dynamics and Earthquake Engineering, 2023, 168, 107836.	1.9	0
3100	Using a poroelastodynamic model to investigate the dynamic behaviour of articular cartilage. Computer Methods and Programs in Biomedicine, 2023, 233, 107481.	2.6	1
3101	Constitutive Modeling of Hydromechanical Coupling in Double Porosity Media Based on Mixture Coupling Theory. International Journal of Geomechanics, 2023, 23, .	1.3	1
3102	Break-up and mobilization of DNAPL by acoustic excitation: Experimental evidence and pore network modeling. Chemosphere, 2023, 325, 138345.	4.2	1

#	Article	IF	CITATIONS
3103	Dynamic response of a multi-scale layered saturated porous half-space due to seismic dislocation source by using a revised dynamic stiffness matrix method. Applied Mathematical Modelling, 2023, 120, 217-245.	2.2	4
3104	Vibration mitigation in porous soil using periodic rock-socketed pile barriers. Soil Dynamics and Earthquake Engineering, 2023, 171, 107956.	1.9	7
3105	A hydro-mechanical phase field model for hydraulically induced fractures in poroelastic media. Computers and Geotechnics, 2023, 159, 105418.	2.3	5
3106	Vertical dynamic response of single floating piles in poroelastic soil. Computers and Geotechnics, 2023, 159, 105424.	2.3	2
3107	Potential of an electric field generated during the scattering of an elastic wave on a fluid-filled vug in a porous rock. Journal of Applied Geophysics, 2023, 210, 104942.	0.9	1
3108	A thermo-hydro-mechanical model to evaluate the seismic properties of geothermal reservoirs. Geophysics, 2023, 88, WB23-WB35.	1.4	0
3110	Complex fluid loading on Love type wave propagation in a layered porous-piezoelectric structure using direct Sturm–Liouville method. Archive of Applied Mechanics, 2023, 93, 1985-2007.	1.2	1
3111	Fault reactivation potential in a carbonate field in Brazil based on geomechanical analysis. Marine and Petroleum Geology, 2023, 150, 106131.	1.5	1
3112	Wavefield simulation with the discontinuous Galerkin method for a poroelastic wave equation in triple-porosity media. Geophysics, 2023, 88, T121-T135.	1.4	6
3113	Scattering of an Acoustic Wave on a Porous Rigid Sphere Containing an Electrolyte in the Pores. Transport in Porous Media, 2023, 147, 331-344.	1.2	0
3114	The scattering of seismic waves from saturated river valley with water layer: Modelled by indirect boundary element method. Engineering Analysis With Boundary Elements, 2023, 149, 282-297.	2.0	4
3115	Seismic dispersion, attenuation and frequency-dependent anisotropy in a fluid-saturated porous periodically layered medium. Geophysical Journal International, 2023, 234, 331-345.	1.0	2
3116	Flexoelectric Effect on SH-Wave Propagation in Functionally Graded Fractured Porous Sedimentary Rocks with Interfacial Irregularity. Journal of Vibration Engineering and Technologies, 2024, 12, 1067-1087.	1.3	6
3117	Numerical Simulation and Characterization of the Hydromechanical Alterations at the Zafarraya Fault Due to the 1884 Andalusia Earthquake (Spain). Water (Switzerland), 2023, 15, 850.	1.2	1
3118	Propagation of love waves under the effect of parabolic irregularity in isotropic fluid-saturated porous medium. Materials Today: Proceedings, 2023, , .	0.9	1
3119	Rupture-induced dynamic pore pressure effect on rupture. Waves in Random and Complex Media, 0, , 1-17.	1.6	0
3120	Surface waves at a fluid/double-porosity medium interface. Geophysical Journal International, 2023, 234, 771-789.	1.0	1
3121	Investigating the effects of microstructural changes induced by myocardial infarction on the elastic parameters of the heart. Biomechanics and Modeling in Mechanobiology, 2023, 22, 1019-1033.	1.4	3

		CITATION REPORT		
#	Article		IF	CITATIONS
3122	Dynamic Relative Permeabilities for Partially Saturated Porous Media Accounting for Viscous Coupling Effects: An Analytical Solution. Transport in Porous Media, 2023, 147, 653-677.		1.2	1
3123	Metamaterial based miniaturized broadband acoustic absorber. Journal of Applied Physics, 2023, 1	.33, .	1.1	3
3124	A model for the bio-mechanical stimulus in bone remodelling as a diffusive signalling agent for bor reconstructed with bio-resorbable grafts. Mechanics Research Communications, 2023, 129, 10409	ies 94.	1.0	1
3125	The Effect of Soil Liquefaction and Lateral Spreading to the Seismic Vulnerability of RC Frame Buildings Considering SSI. Journal of Earthquake Engineering, 0, , 1-23.		1.4	0
3126	Dynamic Response Analysis of Orthotropic Saturated Subgrade-Pavement Slab. Advances in Civil Engineering, 2023, 2023, 1-14.		0.4	0
3127	Mechanics of coseismic and postseismic acceleration of active landslides. Communications Earth & Environment, 2023, 4, .	<u>R</u>	2.6	1
3128	Numerical validation of Gassmann's equations. Geophysics, 2023, 88, A25-A29.		1.4	4
3129	Water Table and Permeability Estimation From Multiâ€Channel Seismoelectric Spectral Ratios. Jou of Geophysical Research: Solid Earth, 2023, 128, .	rnal	1.4	2
3142	Electro-Acoustic Solvent-Based Method for Enhancing Heavy Oil Recovery. , 2023, , .			0
3181	When nanocellulose meets hydrogels: the exciting story of nanocellulose hydrogels taking flight. Green Chemistry, 2023, 25, 8349-8384.		4.6	1
3212	Analyzing Wellbore Breakout in Deep Shale Oil Reservoirs of Western China Using Poro-Elastic Dynamics. , 2023, , .			0
3221	Seismic signatures of pore fluid mobility in heterogeneous reservoirs. , 2023, , .			0