

CITATION REPORT

List of articles citing

Theory of dynamic permeability and tortuosity in fluid-saturated porous media

DOI: 10.1017/s0022112087000727

Journal of Fluid Mechanics, 1987, 176, 379.

Source: <https://exaly.com/paper-pdf/19129602/citation-report.pdf>

Version: 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1627	Strain and pore pressure propagation in a water-saturated porous medium. 1987 , 62, 4682-4687		41
1626	Attenuation of a compressional sound wave in the presence of a fractal boundary. 1987 , 30, 2922		7
1625	Ultrasonic attenuation and pore microstructure in a liquid-4He-filled ceramic. 1987 , 36, 5698-5701		9
1624	Borehole stoneley waves and permeability: Laboratory results. 1987 ,		
1623	The microgeometry and transport properties of sedimentary rock. 1987 , 36, 625-694		348
1622	Surface conduction and length scales in porous media. 1988 , 37, 7975-7978		12
1621	Low-frequency tube waves in permeable rocks. 1988 , 53, 519-527		55
1620	Dynamic permeability in porous media. 1988 , 61, 1591-1594		88
1619	Experimental study of dynamic permeability in porous media. 1988 , 61, 1595-1598		86
1618	Thermal-wave spectroscopy: A new probe of porous media. 1988 , 61, 2748-2751		3
1617	Borehole modes in a cylindrical fluid-saturated permeable medium. 1988 , 84, 424-431		11
1616	Porosity fluctuations, tortuosity fluctuations, and other types of fluctuations: Long-time tails and localization in porous media. 1988 , 37, 5713-5722		6
1615	Dependence of the conductivity of a porous medium on electrolyte conductivity. 1988 , 37, 3502-3510		66
1614	Scaling Behavior Of Dynamic Permeability In Porous Media. 1988 , 137, 35		
1613	Sheng et al. reply. 1989 , 63, 581		8
1612	Ultrasonic attenuation and fractal surfaces in porous media. 1989 , 39, 7295-7297		3
1611	.		2

1610	Fracture evaluation using reflected Stoneley-wave arrivals. 1989 , 54, 1274-1288	86
1609	Stoneley-wave attenuation and dispersion in permeable formations. 1989 , 54, 330-341	55
1608	Scaling behavior for dynamic permeability in porous media. 1989 , 157, 514-519	3
1607	Probing porous media with superfluid acoustics. 1989 , 157, 593-600	
1606	Permeability and borehole Stoneley waves: Comparison between experiment and theory. 1989 , 54, 66-75	102
1605	First-principles calculations of dynamic permeability in porous media. 1989 , 39, 12027-12039	84
1604	Scaling function for dynamic permeability in porous media. 1989 , 63, 580	26
1603	Statistical and continuum models of fluid-solid reactions in porous media. 1990 , 45, 1443-1502	338
1602	Probing porous media with superfluid acoustics. 1990 , 2, SA449-SA455	3
1601	The discovery of a second kind of rotational wave in a fluid-filled porous material. 1990 , 88, 1045-1053	12
1600	Modelization at oblique incidence of layered porous materials with impervious screens. 1990 , 87, 1200-1206	27
1599	Shear Waves in Marine Sediments âBridging the Gap from Theory to Field Applications. 1991 , 3-12	4
1598	Rigorous link between fluid permeability, electrical conductivity, and relaxation times for transport in porous media. 1991 , 3, 2529-2540	168
1597	Diffusion and reaction in heterogeneous media: Pore size distribution, relaxation times, and mean survival time. 1991 , 95, 6477-6489	112
1596	Fluid Flow in Restricted Geometries. 1991 , 31, 71-87	1
1595	Borehole stoneley wave propagation across permeable fractures. 1991 ,	0
1594	Flow, conduction, and a characteristic length in periodic bicontinuous porous media. 1991 , 44, 5087-5090	35
1593	Efficient simulation of flow and transport in porous media. 1991 , 46, 2225-2233	36

1592	Diffusion and reaction among traps: some theoretical and simulation results. 1991 , 65, 1173-1206	39
1591	Hydrodynamic Dispersion in Networks of Capillaries of Random Permeability. 1991 , 16, 259-264	8
1590	Dynamic permeability and borehole Stoneley waves: A simplified Biot-Rosenbaum model. 1991 , 90, 1632-1646	61
1589	Dynamic tortuosity and bulk modulus in air-saturated porous media. 1991 , 70, 1975-1979	530
1588	Observation of a new surface mode on a fluid-saturated permeable solid. 1992 , 60, 2735-2737	33
1587	Propagation of sound and the assignment of shape factors in model porous materials having simple pore geometries. 1992 , 91, 685-695	137
1586	Liquid-state methods for random media: Random sequential adsorption. 1992 , 45, 816-824	76
1585	On acoustical models for sound propagation in rigid frame porous materials and the influence of shape factors. 1992 , 92, 1120-1131	98
1584	Oscillatory Stokes flow in periodic porous media. 1992 , 4, 2099-2116	65
1583	The Born approximation in the problem of elastic wave scattering by a spherical inhomogeneity in a fluid-saturated porous medium. 1992 , 61, 1275-1277	6
1582	Dynamic permeability: reformulation of theory and new experimental and numerical data. <i>Journal of Fluid Mechanics</i> , 1992 , 245, 211	3-7 77
1581	Influence of pore roughness and pore-size dispersion in estimating the permeability of a porous medium from electrical measurements. 1992 , 4, 2651-2673	33
1580	Measurement of the relaxation time in Darcy flow. 1992 , 8, 263-275	13
1579	Waves in partially saturated porous media. 1992 , 9, 25-37	23
1578	Harmonic stokes flow through periodic porous media: a 3D boundary element method. 1992 , 99, 214-232	8
1577	Acoustic wave speed and attenuation in suspensions. 1992 , 18, 577-592	104
1576	Deriving the equations of motion for porous isotropic media. 1992 , 92, 3278-3290	150
1575	The effect of a porous facing on the impedance and the absorption coefficient of a layer of porous material. 1992 , 156, 541-555	20

1574	Recent topics concerning the acoustics of fibrous and porous materials. 1993 , 39, 3-21	21
1573	BOREHOLE STONELEY WAVE PROPAGATION ACROSS PERMEABLE STRUCTURES1. 1993 , 41, 165-187	42
1572	A comparison between wave propagation in water-saturated and air-saturated porous materials. 1993 , 73, 28-36	48
1571	Low-frequency dispersion and attenuation in partially saturated rocks. 1993 , 94, 359-370	190
1570	Drag forces of porous-medium acoustics. 1993 , 47, 4964-4978	157
1569	Directional attenuation of SH waves in anisotropic poroelastic inhomogeneous media. 1993 , 93, 3057-3065	11
1568	Flow phenomena in rocks: from continuum models to fractals, percolation, cellular automata, and simulated annealing. 1993 , 65, 1393-1534	867
1567	Unsteady viscous flow over irregular boundaries. <i>Journal of Fluid Mechanics</i> , 1993 , 255, 11	3.7 13
1566	Fast inversion of formation permeability from stoneley wave logs using a simplified Biot-Rosenbaum model. 1993 ,	
1565	Cellular-automata calculation of frequency-dependent permeability of porous media. 1993 , 47, 2593-2597	12
1564	Biot Theory of Sound Propagation in Porous Materials Having an Elastic Frame. 1993 , 118-144	1
1563	Sound Propagation in Porous Materials Having a Rigid Frame. 1993 , 79-117	2
1562	Stoneley wave propagation in heterogeneous permeable porous formations. 1993 ,	1
1561	Comments on "Rigorous link between fluid permeability, electrical conductivity, and relaxation times for transport in porous media" 1993 , 5, 500-502	13
1560	Acoustical Impedance and Absorption Coefficients of Porous Layers Covered by a Facing Perforated by Parallel Slits. 1993 , 41, 289	2
1559	Porosity, permeability, shear strength: Crosswell tomography below an iron foundry. 1994 , 59, 1530-1541	33
1558	Frequency dependence of sound propagation in superfluid-filled porous media. 1994 , 50, 15896-15908	17
1557	Probing porous media with first and second sound. I. Dynamic permeability. 1994 , 76, 104-114	71

1556	Scattering by an obstacle in a plane-stratified poroelastic medium: Application to an obstacle in ocean sediments. 1994 , 95, 1223-1244	17
1555	Similarity of sharp-edged porous media. 1994 , 32, 979-990	4
1554	The replica Ornstein-Zernike equations and the structure of partly quenched media. 1994 , 209, 495-510	111
1553	Acoustic characteristics of low density foams. 1994 , 319-361	3
1552	Evaluation of tortuosity in acoustic porous materials saturated by air. 1994 , 65, 754-755	93
1551	Governing equations for the coupled electromagnetics and acoustics of porous media. 1994 , 50, 15678-15696	505
1550	Probing porous media with first and second sound. II. Acoustic properties of water-saturated porous media. 1994 , 76, 115-125	103
1549	Effects of mudcake on the measurement of fluid flow properties using borehole acoustic waves. 1994 ,	1
1548	Propagation and damping of compressional waves in porous rocks: Theory and experiments. 1995 ,	3
1547	Theory of sound propagation in suspensions: a guide to particle size and concentration characterization. 1995 , 82, 115-121	48
1546	Measurement of tortuosity of anisotropic acoustic materials. 1995 , 78, 4929-4932	10
1545	Evaluation of the characteristic dimensions for porous sound-absorbing materials. 1995 , 77, 17-20	25
1544	Influence of Viscous Coupling in Propagation of Elastic Waves in Saturated Soil. 1995 , 121, 636-644	32
1543	The transport properties of networks of cracks and pores. 1995 , 100, 4231-4241	74
1542	Transport processes in periodic porous media. <i>Journal of Fluid Mechanics</i> , 1995 , 299, 1-15	3.7 13
1541	Onsager's reciprocal relation and the hydraulic permeability of porous media. 1995 , 51, 5748-5751	46
1540	SINGLE FLUID FLOW IN POROUS MEDIA. 1996 , 148-150, 653-732	62
1539	Prediction of frequency and pore size dependent attenuation of ultrasound in trabecular bone using Biot's theory. 1996 , 263-271	9

1538	Determination of the viscous and thermal characteristic lengths of plastic foams by ultrasonic measurements in helium and air. 1996 , 80, 2009-2012		105
1537	Chapter 3. PHYSICAL AND CHEMICAL PROPERTIES OF ROCKS AND FLUIDS FOR CHEMICAL MASS TRANSPORT CALCULATIONS. 1996 , 131-192		24
1536	Acoustical properties of wool. 1996 , 48, 101-120		105
1535	Electrical conduction and formation factor in isotropic porous media. 1996 , 19, 225-239		4
1534	Flow of Maxwell fluids in porous media. 1996 , 25, 167-192		45
1533	A predictive model for permeability of correlated porous media. 1996 , 64, 7-19		4
1532	Frame decoupling at low frequency in thin porous layers saturated by air. 1996 , 79, 8223-8229		17
1531	Fast inversion of formation permeability from Stoneley wave logs using a simplified Biot-Rosenbaum model. 1996 , 61, 639-645		38
1530	Application of porous ceramics as engine ejector liner. 1997 ,		2
1529	Dynamic compressibility of air in porous structures at audible frequencies. 1997 , 102, 1995-2006		353
1528	Acoustical measurement of the trapping constant of porous materials. 1997 , 68, 4462-4464		3
1527	Acoustic wave propagation through porous media: Theory and experiments. 1997 , 102, 2495-2510		7
1526	Wave propagation in porous media containing a dilute gas-liquid mixture: theory and experiments. <i>Journal of Fluid Mechanics</i> , 1997 , 343, 351-373	3-7	56
1525	Effects of an elastic membrane on tube waves in permeable formations. 1997 , 101, 3322-3329		25
1524	Poroelastic Backus averaging for anisotropic layered fluid- and gas-saturated sediments. 1997 , 62, 1867-1878		63
1523	Tortuosity: a guide through the maze. 1997 , 122, 299-344		223
1522	Rflexion/rfraction d'ondes acoustiques ^une interface fluide/matfiau poreux anisotrope. 1997 , 324, 501-511		2
1521	Acoustical measurement of the trapping constant of foams with open cells. 1997 , 325, 331-338		1

1520	The Frequency Dependence of Harmonic Fluid Flow Through Networks of Cracks and Pores. 1997 , 149, 489-506	18
1519	A mathematical model and numerical investigation for determining the hydraulic conductivity of rocks. 1997 , 34, 741-759	15
1518	Simple, relaxational models for the acoustical properties of porous media. 1997 , 50, 171-188	97
1517	Some remarks on the acoustic parameters of sharp-edged porous media. 1998 , 36, 1035-1046	12
1516	Modal impedances for a spherical source in a fluid-filled spherical cavity embedded within a fluid-infiltrated elastic porous medium. 1998 , 35, 129-148	10
1515	Wave propagation in layered dry, saturated and unsaturated poroelastic media. 1998 , 35, 4753-4778	83
1514	Underwater Flow Noise. 1998 , 10, 135-153	17
1513	Ultrasonic characterization of the anisotropic behavior of air-saturated porous materials. 1998 , 36, 323-341	22
1512	Double monopole resonance of a gas-filled, spherical cavity in a sediment. 1998 , 103, 265-274	6
1511	Sound propagation in air-saturated random packings of beads. 1998 , 104, 2004-2007	44
1510	Effect of the variance of pore size distribution on the transport properties of heterogeneous networks. 1998 , 103, 513-525	97
1509	Critical path analysis of the relationship between permeability and electrical conductivity of three-dimensional pore networks. 1998 , 34, 1703-1710	106
1508	Propagation of Love waves in a transversely isotropic fluid-saturated porous layered half-space. 1998 , 103, 695-701	64
1507	The interaction of tube waves with borehole fractures, Part II: Analytical models. 1998 , 63, 809-815	28
1506	Determining the specific area of porous acoustic materials from water extraction data. 1998 , 84, 6886-6890	19
1505	Ground influence on the definition of single rating index for noise barrier protection. 1998 , 104, 232-236	3
1504	Acoustical and mechanical characterization of anisotropic open-cell foams. 1998 , 104, 2622-2627	38
1503	Surface waves above thin porous layers saturated by air at ultrasonic frequencies. 1998 , 104, 882-889	22

1502	Enhancement in the dynamic response of a viscoelastic fluid flowing in a tube. 1998 , 58, 6323-6327	65
1501	Sound transmission through double panel systems lined with soaked insulation materials. 1998 ,	2
1500	Measurement of the nonlinear behavior of acoustical rigid porous materials. 1999 , 11, 1342-1345	19
1499	Transmission of ultrasonic waves through porous layers of high flow resistivity saturated by air. 1999 , 46, 114-9	3
1498	Ultrasonic characterization of plastic foams via measurements with static pressure variations. 1999 , 74, 3224-3226	18
1497	Modeling of borehole Stoneley waves in the presence of skin effects. 1999 , 105, 601-609	7
1496	Transport parameters and sound propagation in an air-saturated sand. 1999 , 86, 5829-5834	9
1495	Surface waves over bead layers. 1999 , 105, 3021-3025	5
1494	Comments on "Acoustic wave propagation through porous media revisited" [J. Acoust. Soc. Am. 100, 2949-2959 (1996)]. 1999 , 105, 2979-2980	
1493	Seismic signatures of permeability in heterogeneous porous media. 1999 , 64, 99-103	68
1492	Acoustic properties of rubber crumbs. 1999 , 18, 81-92	47
1491	Low-frequency AC electrokinetics. 1999 , 159, 283-292	16
1490	Asymptotic ray theory in poro- and viscoelastic media. 1999 , 30, 175-195	28
1489	Prediction of the bulk acoustic properties of fibrous materials at low frequencies. 1999 , 56, 101-125	44
1488	Numerical decoupling analysis of a resonator with absorbent material. 1999 , 58, 109-122	19
1487	An application of ultrasonic tomographic imaging to study smoldering combustion. 1999 , 116, 120-135	16
1486	Validation of the Slow Compressional Wave in Porous Media: Comparison of Experiments and Numerical Simulations. 1999 , 36, 149-160	47
1485	Variable density flow in porous media. A study by means of pore level numerical simulations. 1999 , 30, 725-742	1

1484	4. Conductivity, Permeability, and Electrokinetics. 1999 , 119-159	9
1483	Process Analytical Chemistry. 1999 , 71, 121-180	84
1482	Biot theory: a review of its application to ultrasound propagation through cancellous bone. 1999 , 24, 291-5	121
1481	5. Acoustics and Ultrasonics. 1999 , 161-221	7
1480	Interface conditions for Biot's equations of poroelasticity. 1999 , 105, 2585-2589	96
1479	Determination of rock properties by low-frequency AC electrokinetics. 1999 , 104, 29485-29508	103
1478	Permeability Determination from Stoneley Waves in the Ara Group. 2000 ,	1
1477	Elastic wave propagation and attenuation in a double-porosity dual-permeability medium. 2000 , 37, 63-78	165
1476	Computation of individual contributions of two compression waves in vibration of water-saturated soils. 2000 , 27, 79-100	7
1475	ACOUSTIC LOGGING MODELING BY REFINED BIOT'S EQUATIONS. 2000 , 11, 365-396	8
1474	Using borehole electroseismic measurements to detect and characterize fractured (permeable) zones. 2000 , 65, 1098-1112	79
1473	Measurements of anisotropic sound propagation in glass wool. 2000 , 108, 2243-7	13
1472	Wave propagation in micro-heterogeneous porous media: a model based on an integro-differential wave equation. 2000 , 107, 2965-72	30
1471	Transformation of seismic velocity data to extract porosity and saturation values for rocks. 2000 , 107, 3018-27	19
1470	Cell model calculations of dynamic drag parameters in packings of spheres. 2000 , 107, 3113-9	54
1469	Diffusion-Absorption and Flow Processes in Disordered Porous Media. 2000 , 163-240	1
1468	Acoustic properties of partially molten media studied on a simple binary system with a controllable dihedral angle. 2000 , 105, 16665-16682	69
1467	Sound absorption of cellular metals with semiopen cells. 2000 , 108, 1697-709	119

1466	Characterization of Porous Thin Films Using Quartz Crystal Shear Resonators. 2000 , 16, 5064-5071	25
1465	Transient acoustic wave propagation in rigid porous media: a time-domain approach. 2000 , 107, 683-8	94
1464	Surface acoustic impedance and causality. 2001 , 109, 1736-9	6
1463	Active control method for the identification of the parameters of porous media. 2001 ,	
1462	Application of the Kozeny-Carman Equation to Permeability Determination for a Glacial Outwash Aquifer, Using Grain-size Analysis. 2001 , 23, 461-473	11
1461	Convection current generated prior to rupture in saturated rocks. 2001 , 106, 2103-2120	33
1460	An effective density fluid model for acoustic propagation in sediments derived from Biot theory. 2001 , 110, 2276-81	86
1459	A note on Rayleigh wave velocity in saturated soils with compressible constituents. 2001 , 38, 1360-1365	8
1458	Ultrasonic characterization of cancellous bone: theoretical and experimental analysis.	
1457	Dynamic Permeability in Porous Medium Acoustics. 2001 , 44, 135-142	7
1456	Bibliography. 2001 , 345-370	
1455	Observation of nonlinear interaction of acoustic waves in granular materials: demodulation process. 2001 , 283, 216-223	26
1454	Porous material characterization--ultrasonic method for estimation of tortuosity and characteristic length using a barometric chamber. 2001 , 39, 195-202	38
1453	LOW FREQUENCY SOUND PROPAGATION IN A COAXIAL CYLINDRICAL DUCT: APPLICATION TO SUDDEN AREA EXPANSIONS AND TO DISSIPATIVE SILENCERS. 2001 , 243, 461-473	31
1452	AN APPROACH TO DIRECT AND INVERSE TIME-DOMAIN SCATTERING OF ACOUSTIC WAVES FROM RIGID POROUS MATERIALS BY A FRACTIONAL CALCULUS BASED METHOD. 2001 , 244, 359-366	13
1451	TRANSVERSE VIBRATIONS OF A THIN RECTANGULAR POROUS PLATE SATURATED BY A FLUID. 2001 , 247, 1-18	55
1450	Experimental study of the absorption characteristics of some porous fibrous materials. 2001 , 62, 447-459	104
1449	Acoustic properties of rigid-frame porous materials—An engineering perspective. 2001 , 62, 793-811	44

1448	On the viscous length scale of wedge-shaped porous media. 2001 , 39, 951-962	3
1447	Sound speed and attenuation in dense, non-cohesive air-granular systems. 2001 , 56, 3699-3717	13
1446	ON THE PROPAGATION OF ACOUSTIC PULSES IN POROUS RIGID MEDIA: A TIME-DOMAIN APPROACH. 2001 , 09, 1163-1173	3
1445	Numerical simulation of the Biot slow wave in water-saturated Nivelsteiner Sandstone. 2001 , 66, 890-896	45
1444	Tracer dispersion in two-dimensional rough fractures. 2001 , 63, 056104	33
1443	Resonant scattering and localization in heterogeneous Biot media. 2001 , 64,	1
1442	Lumped-element technique for the measurement of complex density. 2001 , 110, 1950-7	20
1441	Enhancement in the dynamic response of a viscoelastic fluid flowing through a longitudinally vibrating tube. 2001 , 63, 046304	39
1440	Renormalization of quenched randomness in Biot theory. 2001 , 64,	2
1439	Dispersion in poroelastic systems. 2001 , 64, 011303	27
1438	Theoretical and experimental investigation of acoustic streaming in a porous material. 2002 , 66, 016309	9
1437	Pole contribution to the field reflected by sand layers. 2002 , 111, 685-689	4
1436	The role of Biot slow waves in electroseismic wave phenomena. 2002 , 111, 697-706	30
1435	Free field measurements of the absorption coefficient for nonlocally reacting sound absorbing porous layers. 2002 , 112, 1327-34	8
1434	Reflection and Transmission of Waves at a Fluid/Porous-medium Boundary. 2001 , 343-350	1
1433	On the Absorption Coefficient of Porous Corrugated Surfaces. 2002 , 124, 329-333	7
1432	Chapter 3. Fundamentals of acoustics in liquids. 2002 , 15, 75-99	
1431	IUTAM Symposium on Theoretical and Numerical Methods in Continuum Mechanics of Porous Materials. 2002 ,	0

1430	Permeability obtained from pressure oscillation experiments, Part I, one phase flow. 2002 , 47, 201-207	
1429	Wave Propagation in Transversely Isotropic Fluid-Saturated Poroelastic Media.. 2002 , 45, 348-355	6
1428	Sound propagation in a porous medium filled with superfluid helium. 2002 , 28, 795-802	4
1427	Bibliography Alphabetical. 2002 , 15, 339-365	
1426	Reflection and transmission of waves at a fluid/porous-medium interface. 2002 , 67, 282-291	72
1425	Radiation Loading of a Cylindrical Source in a Fluid-Filled Cylindrical Cavity Embedded Within a Fluid-Saturated Poroelastic Medium. 2002 , 69, 675-683	25
1424	Identification of the Characteristic Parameters of Porous Media Using Active Control. 2002 ,	9
1423	Biot slow-wave effects in stratified rock. 2002 , 67, 271-281	48
1422	SOUNDPROPAGATIONCLOSE TO THEGROUND. 2002 , 34, 51-82	53
1421	. 2002 , 27, 413-428	135
1420	AN EXTENSION OF COMPLEX MODES FOR THE RESOLUTION OF FINITE-ELEMENT POROELASTIC PROBLEMS. 2002 , 253, 421-445	22
1419	Ultralight porous metals: From fundamentals to applications. 2002 , 18, 457-479	59
1418	Wave velocities and attenuation of shaley sandstones as a function of pore pressure and partial saturation. 2002 , 50, 615-627	37
1417	Reflection of spherical waves by non-locally reacting porous media. 2002 , 36, 143-155	10
1416	Dynamic stress concentration near a fluid-filled permeable borehole induced by general modal vibrations of an internal cylindrical radiator. 2002 , 22, 441-458	15
1415	Formula for the current flow coefficient. 2002 , 47, 775-777	
1414	Electrokinetic effects and fluid permeability. 2003 , 338, 270-273	5
1413	Influence of the squirt flow on reflection and refraction of elastic waves at a fluid/fluid-saturated poroelastic solid interface. 2003 , 41, 2179-2191	18

1412	Investigation and modelling of damping in a plate with a bonded porous layer. 2003 , 265, 437-449	18
1411	Application of generalized complex modes to the calculation of the forced response of three-dimensional poroelastic materials. 2003 , 268, 555-580	19
1410	Solution in time domain of ultrasonic propagation equation in a porous material. 2003 , 38, 151-163	20
1409	Effects of pressure and saturating fluid on wave velocity and attenuation in anisotropic rocks. 2003 , 40, 389-403	19
1408	Acoustic and electromagnetic properties of soils saturated with salt water and NAPL. 2003 , 52, 177-191	48
1407	Acoustic properties of sediments saturated with gas hydrate, free gas and water. 2003 , 51, 141-158	76
1406	Neural networks for prediction of acoustical properties of polyurethane foams. 2003 , 64, 229-242	37
1405	Experimental validation of a correlation-based model for permeability. 2003 , 58, 2449-2454	1
1404	Determination of transport parameters in air-saturated porous materials via reflected ultrasonic waves. 2003 , 114, 2561-9	37
1403	Stabilization of a hypersonic boundary layer using an ultrasonically absorptive coating. <i>Journal of Fluid Mechanics</i> , 2003 , 479, 99-124	3-7 145
1402	Fractal pore structure of sedimentary rocks: Simulation by ballistic deposition. 2003 , 108,	19
1401	Ultrasonic measurement of the porosity and tortuosity of air-saturated random packings of beads. 2003 , 93, 9352-9359	18
1400	White's model for wave propagation in partially saturated rocks: Comparison with poroelastic numerical experiments. 2003 , 68, 1389-1398	107
1399	Stabilization of High Speed Boundary Layer Using a Porous Coating. 2003 ,	6
1398	Stability of Hypersonic Boundary Layer on Porous Wall with Regular Microstructure. 2003 ,	17
1397	High Temperature Permeability of Carbon Phenolic. 2003 ,	2
1396	Measuring the porosity of porous materials having a rigid frame via reflected waves: A time domain analysis with fractional derivatives. 2003 , 93, 296-303	17
1395	Behavior of rigid-porous layers at high levels of continuous acoustic excitation: theory and experiment. 2003 , 114, 1346-56	22

1394	Characterization of porous materials with a rigid frame via reflected waves. 2003 , 94, 7914	14
1393	Measuring the porosity and the tortuosity of porous materials via reflected waves at oblique incidence. 2003 , 113, 2424-33	87
1392	Experimental observation of dramatic differences in the dynamic response of Newtonian and Maxwellian fluids. 2003 , 68, 046301	34
1391	Linear dynamics of double-porosity dual-permeability materials. II. Fluid transport equations. 2003 , 68, 036604	112
1390	Inverse problem in air-saturated porous media via reflected waves. 2003 , 74, 2871-2879	5
1389	Direct and inverse scattering of transient acoustic waves by a slab of rigid porous material. 2003 , 113, 61-72	41
1388	Acoustic wave propagation in double porosity media. 2003 , 114, 73-89	157
1387	Linear dynamics of double-porosity dual-permeability materials. I. Governing equations and acoustic attenuation. 2003 , 68, 036603	182
1386	Elastic waves in non-Newtonian (Maxwell) fluid-saturated porous media. 2003 , 13, 191-203	10
1385	A Comparison Between Potapof's and Pride's Equations for Seismoelectric Waves. 2003 , 46, 142-150	1
1384	Influence of pore roughness on high-frequency permeability. 2003 , 15, 1766	29
1383	Detection of formation boundaries and permeable fractures based on frequency-domain Stoneley wave logs. 2004 , 35, 45-50	6
1382	Quantitative characterization of pore-scale disorder effects on transport in "homogeneous" granular media. 2004 , 70, 041108	74
1381	Frequency-dependent acoustic properties of a fluid/porous solid interface. 2004 , 116, 1474-1480	32
1380	A three-parameter dispersion relationship for Biot's fast compressional wave in a marine sediment. 2004 , 116, 769-776	6
1379	Shock-induced borehole waves in porous formations: Theory and experiments. 2004 , 116, 693-702	25
1378	Acoustics of Rigid Porous Materials. 2004 , 157-176	
1377	Measuring permeability of porous materials via acoustic transmitted waves.	

1376	The hydrodynamics of an oscillating porous sphere. 2004 , 16, 62-72	21
1375	Characteristic analysis for stress wave propagation in transversely isotropic fluid-saturated porous media. 2004 , 25, 656-663	3
1374	Acoustic radiation from a finite spherical source placed in fluid near a poroelastic sphere. 2004 , 74, 59-74	1
1373	Propagation of Transient Acoustic Waves in Layered Porous Media: Fractional Equations for the Scattering Operators. 2004 , 38, 181-190	8
1372	Verification of KramersâKronig relationship in porous materials having a rigid frame. 2004 , 270, 865-885	18
1371	The influence of the depth of the ground water table on free field road traffic-induced vibrations. 2004 , 28, 395-419	17
1370	Two-fluid porous flow in a single temperature approximation. 2004 , 42, 1521-1545	12
1369	Equivalent acoustic impedance model. Part 2: analytical approximation. 2004 , 276, 593-613	13
1368	Multi-stage regression analysis of acoustical properties of polyurethane foams. 2004 , 273, 1109-1117	14
1367	Acoustic Scattering by a Poroelastic Sphere Near a Flat Boundary. 2004 , 43, 2612-2623	6
1366	Seismic attenuation due to wave-induced flow. 2004 , 109,	504
1365	Constitutive equations for ionic transport in porous shales. 2004 , 109,	148
1364	Time-domain equations for sound propagation in rigid-frame porous media (L). 2004 , 116, 1889-1892	24
1363	Ultrasonic wave propagation in human cancellous bone: application of Biot theory. 2004 , 116, 61-73	145
1362	SIMULATION OF WAVES IN PORO-VISCOELASTIC ROCKS SATURATED BY IMMISCIBLE FLUIDS: NUMERICAL EVIDENCE OF A SECOND SLOW WAVE. 2004 , 12, 1-21	33
1361	Response of multiple rigid porous layers to high levels of continuous acoustic excitation. 2004 , 116, 703-712	16
1360	Permeability and storativity of binary mixtures of high- and low-permeability materials. 2004 , 109,	34
1359	Multiple scattering of acoustic waves and porous absorbing media. 2004 , 70, 026609	40

1358	Guidelines for the Acoustic Design of Absorptive Devices. 2004 , 35, 12-21	6
1357	Matrix propagator method for layered porous media: Analytical expressions and stability criteria. 2004 , 69, 1071-1081	17
1356	Effects of fluid flow on wave velocity and attenuation in porous rocks. 2005 ,	
1355	A simplified numerical model for a plate backed by a thin foam layer in the low frequency range. 2005 , 280, 681-698	19
1354	Characteristic analysis of wave propagation in anisotropic fluid-saturated porous media. 2005 , 282, 863-880	16
1353	A wave model for rigid-frame porous materials using lumped parameter concepts. 2005 , 286, 81-96	4
1352	Wave field simulation for heterogeneous porous media with singular memory drag force. 2005 , 208, 651-674	50
1351	Linear dynamic model for porous media saturated by two immiscible fluids. 2005 , 42, 2689-2709	42
1350	Deduction of tortuosity and porosity from acoustic reflection and transmission measurements on thick samples of rigid-porous materials. 2005 , 66, 607-624	43
1349	Sound field of a baffled sound source covered by an anisotropic rigid-porous material. 2005 , 66, 866-878	1
1348	Experimental Evidence for Slow Compressional Waves. 2005 , 131, 908-917	24
1347	Ultrasound techniques for characterizing colloidal dispersions. 2005 , 68, 1541-1637	205
1346	Influence of dynamic tortuosity and compressibility on the propagation of transient waves in porous media. 2005 , 41, 145-161	12
1345	A finite element solution of acoustic propagation in rigid porous media. 2005 , 62, 1295-1314	7
1344	On the use of perforations to improve the sound absorption of porous materials. 2005 , 66, 625-651	108
1343	Fundamental solution for a layered porous half space subject to a vertical point force or a point fluid source. 2005 , 35, 376-391	70
1342	Wave field simulation for heterogeneous transversely isotropic porous media with the JKD dynamic permeability. 2005 , 36, 196-208	19
1341	Modeling the Influence of Pore Structure on the Acoustic Absorption of Enhanced Porosity Concrete. 2005 , 3, 29-40	42

1340	Impedance and Brewster angle measurement for thick porous layers. 2005 , 118, 1503-1509	8
1339	Debye-series analysis of the transmission coefficient of a water-saturated porous plate obeying Biot's theory. 2005 , 118, 3430-3435	11
1338	Frequency Response Function for Prediction of Planar Cellular Plastic Foam Acoustic Behavior. 2005 , 41, 101-131	10
1337	Beam-tracing model for predicting sound fields in rooms with multilayer bounding surfaces. 2005 , 118, 2321-2331	15
1336	Measurements of tortuosity in stereolithographical bone replicas using audiofrequency pulses. 2005 , 118, 2779-82	17
1335	Measuring flow resistivity of porous material via acoustic reflected waves. 2005 , 98, 084901	18
1334	Guided elastic waves in porous materials saturated by air under Lamb conditions. 2005 , 97, 094911	16
1333	Hydrogeophysics. 2005 ,	169
1332	Measurements and empirical model of the acoustic properties of reticulated vitreous carbon. 2005 , 117, 536-44	26
1331	Absorptive properties of rigid porous media: application to face centered cubic sphere packing. 2005 , 117, 2090-9	42
1330	Electroseismic Wave Theory of Frenkel and More Recent Developments. 2005 , 131, 898-907	41
1329	A simplified pseudo-fluid model derived from biot theory through low grazing angle approximation. 2005 , 30, 651-659	3
1328	Elastic Wave Scattering by Two Spherical Inclusions in a Poroelastic Medium. 2005 , 131, 953-965	10
1327	Dynamic permeability of random porous rocks and its seismic signatures. 2005 ,	1
1326	Viscous Permeability of Random Fiber Structures: Comparison of Electrical and Diffusional Estimates with Experimental and Analytical Results. 2005 , 39, 163-188	284
1325	Universality of ac conduction in anisotropic disordered systems: An effective-medium-approximation study. 2005 , 71,	2
1324	Acoustical measurement of the shear modulus for thin porous layers. 2005 , 117, 1737-43	9
1323	Comparison of Upscaling Methods in Poroelasticity and Its Generalizations. 2005 , 131, 928-936	30

1322	Tortuosity and objective relative accelerations in the theory of porous materials. 2005 , 461, 1533-1561	15
1321	Acoustic properties of rarefied gases inside pores of simple geometries. 2005 , 117, 3402-12	53
1320	Propagation of Love Waves in an Inhomogeneous Fluid Saturated Porous Layered Half-Space with Properties Varying Exponentially. 2005 , 131, 1322-1328	33
1319	A time-domain model of transient acoustic wave propagation in double-layered porous media. 2005 , 118, 661-670	8
1318	Turbulence in the Core of a Transpired Channel. 2005 ,	1
1317	Equations of motions for superfluid ³ He- ⁴ He solution filled porous media. 2005 , 2005, P12008-P12008	1
1316	Hypersonic Laminar Flow Control Using a Porous Coating of Random Microstructure. 2006 ,	17
1315	Sound propagation in ducts lined with porous materials by a Multi-Modal Marching Method. 2006 ,	1
1314	Ultrasonic characterization of human cancellous bone using the Biot theory: inverse problem. 2006 , 120, 1816-24	61
1313	Seismoelectric numerical modeling on a grid. 2006 , 71, N57-N65	77
1312	Stratigraphic Model Predictions of Geoacoustic Properties. 2006 , 31, 266-283	6
1311	Conductivity dependence of seismoelectric wave phenomena in fluid-saturated sediments. 2006 , 111,	52
1310	Nonlinear thermoporoelastic effects on dynamic earthquake rupture. 2006 , 111, n/a-n/a	28
1309	Finite difference modeling of Biot's poroelastic equations at seismic frequencies. 2006 , 111,	81
1308	Relationships between permeability, porosity and pore throat size in carbonate rocks using regression analysis and neural networks. 2006 , 3, 370-376	96
1307	Acoustical determination of the parameters governing viscous dissipation in porous media. 2006 , 119, 2027-40	114
1306	Non-contact ultrasound characterization of bread crumb: Application of the Biot-Allard model. 2006 , 39, 1067-1075	29
1305	Characterisation of Aerogel Inner Structure with Superfluid Helium Flow. 2006 ,	

1304	Acoustic and vibrational damping in porous solids. 2006 , 364, 89-108	41
1303	Hydrodynamic equations and collective modes in a system comprising a porous medium and a He ³ superfluid mixture. 2006 , 32, 621-627	2
1302	Anomalous negative dispersion in bone can result from the interference of fast and slow waves. 2006 , 120, EL55-61	57
1301	Acoustic diffraction by a pair of poroelastic cylinders. 2006 , 86, 589-605	12
1300	Finite element frequency-domain acoustic analysis of open-cell plastic foams. 2006 , 42, 314-339	6
1299	Acoustical characterization of fluid-saturated porous media with local heterogeneities: Theory and application. 2006 , 43, 982-1008	16
1298	Transient wave propagation in inhomogeneous porous materials: Application of fractional derivatives. 2006 , 86, 2658-2667	22
1297	Application of fractional calculus to ultrasonic wave propagation in human cancellous bone. 2006 , 86, 2668-2677	52
1296	A few remarks on Biot's model and linear acoustics of poroelastic saturated materials. 2006 , 26, 509-536	53
1295	Love waves in an inhomogeneous fluid saturated porous layered half-space with linearly varying properties. 2006 , 26, 574-581	65
1294	Separation of viscothermal losses and scattering in ultrasonic characterization of porous media. 2006 , 45, 40-9	5
1293	High sound absorption of porous aluminum fabricated by spacer method. 2006 , 88, 254106	39
1292	Wave propagation along the boundary between a saturated porous medium and a liquid. 2006 , 52, 163-172	9
1291	Dynamic Analysis of an Infinite Cylindrical Hole in a Saturated Poroelastic Medium. 2006 , 76, 263-276	12
1290	Experimental Investigation into the Scale Dependence of Fluid Transport in Heterogeneous Rocks. 2006 , 163, 2103-2123	14
1289	Dynamic response of a pile embedded in a porous medium subjected to plane SH waves. 2006 , 33, 404-418	11
1288	Dynamic Response of a Circular Tunnel Embedded in a Saturated Poroelastic Medium due to a Moving Load. 2006 , 128, 750-756	23
1287	Confirmation of the Biot theory for water-saturated sands at high frequencies and effects of scattering on the attenuation of sound waves. 2006 , 119, 709	8

1286	A comparison of broadband models for sand sediments. 2006 , 120, 3584-98	15
1285	Measuring flow resistivity of porous materials at low frequencies range via acoustic transmitted waves. 2006 , 119, 1926-8	27
1284	P3F-6 Characterization of Human Cancellous Bone Specimens in Terms of Biot's Theory. 2006 ,	
1283	SOLUTION OF PRIDE'S EQUATIONS THROUGH POTENTIALS. 2006 , 17, 877-908	9
1282	Measuring the free field acoustic impedance and absorption coefficient of sound absorbing materials with a combined particle velocity-pressure sensor. 2006 , 119, 2826-2831	55
1281	Porous metal absorbers for underwater sound. 2007 , 122, 2626-35	16
1280	Theoretical simulation of electroacoustic borehole logging in a fluid-saturated porous formation. 2007 , 122, 135-45	56
1279	Dynamic permeability of porous rocks and its seismic signatures. 2007 , 72, E149-E158	30
1278	Excitation of soft porous frame resonances and evaluation of rigidity coefficients. 2007 , 121, 78-84	5
1277	An alternative Biot's displacement formulation for porous materials. 2007 , 121, 3509-16	55
1276	Validity of the limp model for porous materials: a criterion based on the Biot theory. 2007 , 122, 2038-48	39
1275	Transition term method for the analysis of the reflected and the transmitted acoustic signals from water-saturated porous plates. 2007 , 122, 1518	8
1274	Comparison of two modeling approaches for highly heterogeneous porous media. 2007 , 121, 961-6	12
1273	Simultaneous determination of dynamic permeability and streaming potential. 2007 ,	4
1272	Seismic signatures of partial saturation on acoustic borehole modes. 2007 , 72, E77-E86	2
1271	Acoustic wave propagation in a macroscopically inhomogeneous porous medium saturated by a fluid. 2007 , 90, 181901	30
1270	Transient acoustic wave propagation in air-saturated porous media at low frequencies. 2007 , 102, 084906	9
1269	Computation of the dynamic thermal dissipation properties of porous media by Brownian motion simulation: Application to an open-cell aluminum foam. 2007 , 102, 074917	12

1268 Bibliography. **2007**, 38, 457-490

1267 Comment on "Permeability prediction from MICP and NMR data using an electrokinetic approach" (. **2007**, 72, X3-X4

3

1266 Sound Propagation in the Atmosphere. **2007**, 113-147

14

1265 Measuring permeability of porous materials at low frequency range via acoustic transmitted waves. **2007**, 78, 114902

15

1264 Acoustic wave propagation and internal fields in rigid frame macroscopically inhomogeneous porous media. **2007**, 102, 024910

12

1263 Comments on the limp frame equivalent fluid model for porous media. **2007**, 122, EL217-22

71

1262 Elastic Wave Scattering in Porous Unidirectional Fiber-reinforced Composites. **2007**, 26, 495-517

4

1261 Transport properties of pyroclastic rocks from Montagne Pelée volcano (Martinique, Lesser Antilles). **2007**, 112,

42

1260 Dynamic Effects on Moisture Transport in Asphalt Concrete. **2007**, 133, 406-414

31

1259 Determining snow water equivalent by acoustic sounding. **2007**, 21, 2623-2640

21

1258 Use of specific Green's functions for solving direct problems involving a heterogeneous rigid frame porous medium slab solicited by acoustic waves. **2007**, 30, 91-122

11

1257 Harmonic wave diffraction by two circular cavities in a poroelastic formation. **2007**, 27, 29-41

38

1256 Dynamic response of a piecewise circular tunnel embedded in a poroelastic medium. **2007**, 27, 875-891

29

1255 Time-domain calculations of sound interactions with outdoor ground surfaces. **2007**, 68, 173-200

34

1254 Analysis of the numerical dispersion of waves in saturated poroelastic media. **2007**, 196, 4644-4655

9

1253 A half-space saturated poro-elastic medium subjected to a moving point load. **2007**, 44, 573-586

69

1252 Experimental determination of the micro- and macrostructural parameters influencing the acoustical performance of fibrous media. **2007**, 68, 1439-1458

24

1251 Ultrasonic characterization of porous absorbing materials: Inverse problem. **2007**, 302, 746-759

34

1250	Dynamic response of an infinite beam overlying a layered poroelastic half-space to moving loads. 2007 , 306, 91-110	29
1249	Green's function for a harmonic acoustic point source within seawater overlying a saturated poroelastic seabed. 2007 , 307, 172-186	15
1248	A poroelastic model for wave propagation in partially frozen orange juice. 2007 , 80, 11-17	20
1247	A mixture-theory-based dynamic model for a porous medium saturated by two immiscible fluids. 2007 , 62, 89-106	8
1246	Modeling turbulent flow over fractal trees with renormalized numerical simulation. 2007 , 225, 427-448	99
1245	Analysis of oscillatory fluid flow through rock samples. 2007 , 170, 195-204	38
1244	Extension of White's layered model to the full frequency range. 2007 , 55, 685-695	14
1243	Poroelastic modeling of seismic boundary conditions across a fracture. 2007 , 122, 831-47	58
1242	A linear dynamic model for a saturated porous medium. 2007 , 68, 321-340	6
1241	Dynamic interaction of an eccentric multipole cylindrical radiator suspended in a fluid-filled borehole within a poroelastic formation. 2007 , 23, 399-408	1
1240	Energy focusing and the shapes of wave fronts in anisotropic fluid-saturated porous media. 2007 , 193, 207-225	4
1239	Singularities on wave fronts of slow waves in anisotropic fluid-saturated porous media. 2007 , 77, 407-420	3
1238	Improvements to the Johnson-Allard model for rigid-framed fibrous materials. 2007 , 68, 1468-1484	30
1237	Dynamic interaction of a spherical radiator in a fluid-filled cylindrical borehole within a poroelastic formation. 2008 , 35, 158-171	3
1236	Evaluation of acoustical and non-acoustical properties of sound absorbing materials made of polyester fibres of various cross-sectional shapes. 2008 , 69, 575-582	34
1235	Tailored acoustic and vibrational damping in porous solids â Engineering performance in aerospace applications. 2008 , 12, 26-41	20
1234	Dynamic response of a layered water-saturated half space to a moving load. 2008 , 35, 1-10	60
1233	Finite-difference modeling of the electroseismic logging in a fluid-saturated porous formation. 2008 , 227, 5633-5648	53

1232	Double-porosity rock model and squirt flow in the laboratory frequency band. 2008 , 5, 261-276	19
1231	Seismic isolation effect of lined circular tunnels with damping treatments. 2008 , 7, 305-319	16
1230	Review in Sound Absorbing Materials. 2008 , 15, 311-342	100
1229	FE/FMBE coupling to model fluid-structure interaction. 2008 , 76, 2137-2156	27
1228	Review of "Marine Acoustics: Direct and Inverse Problems" J.L. Buchanan, R.P. Gilbert, A. Wirgin, Y.S. Xu, SIAM, Philadelphia (2004), (348pp., Paperback), ISBN: 0-89871-547-4. 2008 , 309, 343-346	
1227	Recovery of elastic parameters of cellular materials by inversion of vibrational data. 2008 , 313, 525-543	11
1226	Thickness optimization of a multilayered structure on the coupling surface between a structure and an acoustic cavity. 2008 , 318, 109-130	25
1225	Effects of compression on the sound absorption of porous materials with an elastic frame. 2008 , 69, 31-39	29
1224	Comparisons between characteristic lengths and fibre equivalent diameters in glass fibre and melamine foam materials of similar flow resistivity. 2008 , 69, 325-331	49
1223	Nonaxisymmetric interaction of a spherical radiator in a fluid-filled permeable borehole. 2008 , 45, 24-47	10
1222	A 2.5-D dynamic model for a saturated porous medium: Part I. Green's function. 2008 , 45, 378-391	33
1221	Wave propagation and critical conditions for energy focusing pattern transformation in anisotropic fluid-filled porous structures. 2008 , 45, 4860-4877	2
1220	Dynamic response of an eccentrically lined circular tunnel in poroelastic soil under seismic excitation. 2008 , 28, 277-292	34
1219	Effect of FGM core on dynamic response of a buried sandwich cylindrical shell in poroelastic soil to harmonic body waves. 2008 , 85, 762-771	3
1218	Ultrasound transmission technique as a potential tool for physical evaluation of monolithic matrix tablets. 2008 , 9, 267-73	16
1217	Evidence of the theoretically predicted seismo-magnetic conversion. 2008 , 174, 489-504	59
1216	Existence of transverse waves in anisotropic poroelastic media. 2008 , 174, 971-977	3
1215	A hydrogeophysical synthetic model generator. 2008 , 34, 1080-1092	7

1214	Application of the biot model to ultrasound in bone: direct problem. 2008 , 55, 1508-15	36
1213	Near field Rayleigh wave on soft porous layers. 2008 , 123, 1241-7	3
1212	Electrokinetic effect: Theory and measurement. 2008 ,	5
1211	Acoustical determination of the parameters governing thermal dissipation in porous media. 2008 , 123, 814-24	104
1210	Application of the Biot model to ultrasound in bone: inverse problem. 2008 , 55, 1516-23	34
1209	Dynamic Stress Concentrations in Lined Twin Tunnels within Fluid-Saturated Soil. 2008 , 134, 542-554	21
1208	Materials Testing. 2008 , 1167-1181	1
1207	Prediction of negative dispersion by a nonlocal poroelastic theory. 2008 , 123, 56-67	30
1206	Reconstruction of material properties profiles in one-dimensional macroscopically inhomogeneous rigid frame porous media in the frequency domain. 2008 , 124, 1591-606	10
1205	Transport properties of saturated and unsaturated porous fractal materials. 2008 , 100, 035504	41
1204	Tortuosity of unsaturated porous fractal materials. 2008 , 78, 016308	15
1203	The measurement of broadband ultrasonic attenuation in cancellous bone--a review of the science and technology. 2008 , 55, 1546-54	56
1202	Poroelastic acoustic wave trains excited by harmonic line tractions. 2008 , 464, 491-511	8
1201	Acoustic response of a periodic distribution of macroscopic inclusions within a rigid frame porous plate. 2008 , 18, 409-433	17
1200	IN VITROACOUSTIC WAVE PROPAGATION IN HUMAN AND BOVINE CANCELLOUS BONE AS PREDICTED BY BIOT'S THEORY. 2008 , 08, 183-201	19
1199	Applications of the Dual Porosity Theory to Irregularly Shaped Porous Materials. 2008 , 94, 715-724	13
1198	Viscoelastic BISQ Model for Low-Permeability Sandstone with Clay. 2008 , 25, 3079-3082	14
1197	Dynamic viscous permeability of an open-cell aluminum foam: Computations versus experiments. 2008 , 103, 024909	61

1196	Interference between wave modes may contribute to the apparent negative dispersion observed in cancellous bone. 2008 , 124, 1781-9	55
1195	Estimates and bounds of dynamic permeability of granular media. 2008 , 124, 3576-93	42
1194	Bottom-up approach for microstructure optimization of sound absorbing materials. 2008 , 124, 940-8	82
1193	Wave propagation through saturated porous media. 2008 , 77, 066302	27
1192	On the dynamic viscous permeability tensor symmetry. 2008 , 124, EL210-7	13
1191	Generalized hyperbolic fractional equation for transient-wave propagation in layered rigid-frame porous materials. 2008 , 77, 016601	13
1190	Optimal sound absorbing and manufacturable two-dimensional, hexagonal-like porous structure. 2008 ,	
1189	2D seismoelectric log simulation using a finite-difference method. 2009 ,	1
1188	. 2009 ,	140
1187	Review of Test Methods for Material Properties of Elastic Porous Materials. 2009 , 2, 570-579	5
1186	Acoustic waves in sand-screened deepwater completions: Comparison of experiments and modeling. 2009 , 74, E45-E56	5
1185	Acoustic response of a rigid-frame porous medium plate with a periodic set of inclusions. 2009 , 126, 685-93	38
1184	Acoustic absorption calculation in irreducible porous media: a unified computational approach. 2009 , 126, 1862-70	28
1183	Finite-difference modeling of the monopole acoustic logs in a horizontally stratified porous formation. 2009 , 125, 1942-50	24
1182	Time domain formulation of the equivalent fluid model for rigid porous media. 2009 , 125, 1860-3	10
1181	Effect of boundary slip on the acoustical properties of microfibrinous materials. 2009 , 126, 1850-61	34
1180	Sound propagation in and low frequency noise absorption by helium-filled porous material. 2009 , 126, 3008-19	6
1179	Predictions of angle dependent tortuosity and elasticity effects on sound propagation in cancellous bone. 2009 , 126, 3286-90	18

1178	Dynamic equations for fluid-loaded porous plates using approximate boundary conditions. 2009 , 125, 2954-66	9
1177	Poroelastodynamics: Linear Models, Analytical Solutions, and Numerical Methods. 2009 , 62,	126
1176	On the Theory of Sound Transfer in Rigid-Frame Porous Materials. 2009 , 95, 306-313	1
1175	Multifunctional Metallic Hollow Sphere Structures. 2009 ,	27
1174	On the Vibroacoustic Behaviour of HSS. 2009 , 71-88	
1173	On the acoustical properties of metallic hollow sphere structures (MHSS). 2009 , 63, 1121-1124	16
1172	Transient solution for multilayered poroviscoelastic media obtained by an exact stiffness matrix formulation. 2009 , 33, 1911-1931	23
1171	Role of inertia in falling head permeability test. 2009 , 33, 1963-1970	5
1170	Existence of longitudinal waves in anisotropic poroelastic solids. 2009 , 208, 269-280	2
1169	On the effective density for compressible flow in porous media. 2009 , 388, 3288-3296	1
1168	Propagation of surface acoustic waves along the free boundary of a saturated porous medium. 2009 , 50, 768-775	0
1167	Equivalent stiffness of the saturated poro-elastic half space interacting with an infinite beam to harmonic moving loads. 2009 , 14, 385-392	2
1166	Green's functions and radiation patterns in poroelastic solids revisited. 2009 , 178, 327-337	23
1165	Transient solution for poro-viscoacoustic wave propagation in double porosity media and its limitations. 2009 , 178, 375-393	22
1164	Scattering of plane transverse waves by spherical inclusions in a poroelastic medium. 2009 , 176, 938-950	26
1163	Ultrasonic measurements on poroelastic slabs: determination of reflection and transmission coefficients and processing for Biot input parameters. 2009 , 49, 319-30	23
1162	Numerical prediction of the quality of an anechoic chamber in the low frequency range. 2009 , 320, 990-1003	5
1161	Measurement and inverse estimation of 3D anisotropic flow resistivity for porous materials. 2009 , 327, 354-367	9

1160	Topology design of multi-material soundproof structures including poroelastic media to minimize sound pressure levels. 2009 , 198, 1439-1455	46
1159	Effect of imperfect bonding on axisymmetric elastodynamic response of a lined circular tunnel in poroelastic soil due to a moving ring load. 2009 , 46, 398-411	23
1158	Wave propagation in transversely isotropic porous piezoelectric materials. 2009 , 46, 3620-3632	40
1157	Calculation of sound absorption characteristics of porous sintered fiber metal. 2009 , 70, 337-346	113
1156	Investigation of non-acoustical parameters of compressed melamine foam materials. 2009 , 70, 595-604	32
1155	Calculation of resonant sound absorption parameters for performance evaluation of metal rubber material. 2009 , 52, 3587-3591	8
1154	Interaction of acoustic waves with porous layer. 2009 , 16, 429-443	4
1153	Reflection and refraction of acoustic waves at poroelastic ocean bed. 2009 , 61, 675-687	8
1152	An electromagnetoacoustic method of measuring electric conductivity and ϵ potential. 2009 , 50, 572-578	5
1151	Propagation of Biot slow waves in heterogeneous pipe networks: Effect of the pipe radius distribution on the effective wave velocity and attenuation. 2009 , 114,	6
1150	Rayleigh waves in air saturated axisymmetrical soft porous media. 2009 , 106, 014906	8
1149	A description of transversely isotropic sound absorbing porous materials by transfer matrices. 2009 , 125, 915-21	23
1148	Measurement of the speed and attenuation of the Biot slow wave using a large ultrasonic transmitter. 2009 , 114,	35
1147	Dynamic effective mass of granular media and the attenuation of structure-borne sound. 2009 , 80, 051304	15
1146	Determination of Physical Properties of Isotropic Porous Materials by Impedance Tube. 2009 ,	
1145	Bibliography. 453-472	
1144	References. 479-502	
1143	Acoustic Band-Gap Formulation in Infinite Periodic Porous Media With a Multi-Layered Unit Cell: Multi-Scale Asymptotic Method. 2009 ,	

1142	Transmission of acoustic waves through 2D phononic crystal: visco-thermal and multiple scattering effects. 2009 , 45, 11302	13
1141	Enhanced Biot's Finite Element Displacement Formulation for Porous Materials and Original Resolution Methods Based on Normal Modes. 2009 , 95, 527-538	19
1140	Bibliography. 2010 , 24, 467-496	
1139	A Numerical Scheme for Investigating the Influence of the Three Dimensional Geometrical Features of Porous Polymeric Foam on Its Sound Absorbing Behavior. 2010 , 96, 239-246	8
1138	Biot Critical Frequency Applied as Common Friction Factor for Pore Collapse and Failure of Chalk with Different Pore Fluids and Temperatures. 2010 ,	
1137	25. Wave Theory, Simulation, and Determination of Gas-Hydrate Content in Sediments. 2010 , 349-372	3
1136	18. Seismic Modeling and Wave Propagation. 2010 , 425-441	
1135	11. Poroelasticity. 2010 , 235-254	
1134	Seismic wave attenuation and dispersion resulting from wave-induced flow in porous rocks â review. 2010 , 75, 75A147-75A164	502
1133	Sound absorbing characteristics of fibrous metal materials at high temperatures. 2010 , 71, 221-235	54
1132	On the use of porous inclusions to improve the acoustical response of porous materials: Analytical model and experimental verification. 2010 , 71, 283-298	30
1131	Ultrasound propagation in cancellous bone. 2010 , 80, 489-502	24
1130	An extendable poroelastic plate formulation in dynamics. 2010 , 80, 1177-1195	10
1129	Poroelasticity-I: Governing Equations of the Mechanics of Fluid-Saturated Porous Materials. 2010 , 84, 471-492	24
1128	An Asymptotic Model of Seismic Reflection from a Permeable Layer. 2010 , 83, 233-256	23
1127	Evaluation of the acoustic and non-acoustic properties of sound absorbing materials using a three-microphone impedance tube. 2010 , 71, 506-509	96
1126	Finite element modeling of SHTE and PSVTM electroseismics. 2010 , 72, 79-91	42
1125	Optimising open porous foam for acoustical and vibrational performance. 2010 , 329, 753-767	39

1124	Acoustic absorption modeling of porous concrete considering the gradation and shape of aggregates and void ratio. 2010 , 329, 866-879	60
1123	Frequency band structure and absorption predictions for multi-periodic acoustic composites. 2010 , 329, 1809-1822	40
1122	Non-Newtonian flow in porous media. 2010 , 51, 5007-5023	131
1121	Sound radiation of orthogonally rib-stiffened sandwich structures with cavity absorption. 2010 , 70, 2198-2206	67
1120	Flow of non-newtonian fluids in porous media. 2010 , 48, 2437-2767	81
1119	Energy velocity and quality factor of plane harmonic inhomogeneous waves in anisotropic poro-viscoelastic media. 2010 , 180, 1265-1273	8
1118	Approximating the wave moduli of double porosity media at low frequencies by a single Zener or Kelvin-Voigt element. 2010 , 181, 391-398	20
1117	Determination of permeability from spectral induced polarization in granular media. 2010 ,	123
1116	Tube wave signatures in cylindrically layered poroelastic media computed with spectral method. 2010 , 183, 1005-1013	10
1115	Measurement of Airflow Resistivity Variation Due to Temperature and Its Impact on Simulated Sound Absorption Inside a Vehicle's Passenger Compartment. 2010 , 3, 901-915	1
1114	Ultrasonic characterization of air-saturated double-layered porous media in time domain. 2010 , 108, 014909	7
1113	Wideband characterization of the complex wave number and characteristic impedance of sound absorbers. 2010 , 128, 2868-76	34
1112	Ultrasonic wave propagation in stereo-lithographical bone replicas. 2010 , 127, 3781-9	10
1111	The direct problem of acoustic diffraction of an audible probe radiation by an air-saturated porous cylinder. 2010 , 108, 113519	4
1110	Seismoelectric reflection and transmission at a fluid/porous-medium interface. 2010 , 127, 13-21	23
1109	Acoustic contributions of a sound absorbing blanket placed in a double panel structure: absorption versus transmission. 2010 , 128, 664-71	16
1108	Acoustic Theory for Particulates. 2010 , 127-185	1
1107	BOREHOLE ACOUSTIC AND ELECTRIC STONELEY WAVES AND PERMEABILITY. 2010 , 18, 87-115	2

1106	On wavemodes at the interface of a fluid and a fluid-saturated poroelastic solid. 2010 , 127, 2240-51	17
1105	Expansions of reflected-transmitted signals to estimate the slow wave strength in fluid-saturated porous layers. 2010 , 128, 1073-86	7
1104	Total absorption peak by use of a rigid frame porous layer backed by a rigid multi-irregularities grating. 2010 , 127, 2865-74	26
1103	Frequency-dependent viscous flow in channels with fractal rough surfaces. 2010 , 22, 053603	10
1102	QUANTITATIVE EVALUATION OF FORMATION PERMEABILITY FROM ACOUSTIC AND ELECTRIC STONELEY WAVES. 2010 , 02, 585-615	4
1101	CHARACTERIZATION OF WATER-SATURATED POROUS CEMENT PASTE BY A LASER BASED ULTRASONIC NDE TECHNIQUE. 2010 ,	
1100	A Free Interface CMS Technique to the Resolution of Coupled Problem Involving Porous Materials, Application to a Monodimensional Problem. 2010 , 96, 247-257	12
1099	Extension of Double Porosity Model to Porous Materials Containing Specific Porous Inclusions. 2010 , 96, 275-291	9
1098	Vibro-Acoustic Properties of Auxetic Open Cell Foam: Model and Experimental Results. 2010 , 96, 266-274	30
1097	Study of the effects of processing parameters on the sound absorption of open-cell microcellular polymeric foams. 2010 , 58, 18	5
1096	Analytical method for the ultrasonic characterization of homogeneous rigid porous materials from transmitted and reflected coefficients. 2010 , 127, 764-72	32
1095	Nonlinear Biot waves in porous media with application to unconsolidated granular media. 2010 , 127, 692-702	19
1094	Finite-difference modeling of Biot's poroelastic equations across all frequencies. 2010 , 75, N33-N41	60
1093	Elastic moduli of dry and water-saturated carbonates - Effect of depositional texture, porosity, and permeability. 2010 , 75, N65-N78	36
1092	Periodic homogenization and consistent estimates of transport parameters through sphere and polyhedron packings in the whole porosity range. 2010 , 82, 036313	44
1091	Microstructure based model for sound absorption predictions of perforated closed-cell metallic foams. 2010 , 128, 1766-76	43
1090	Permeability and pore connectivity: A new model based on network simulations. 2010 , 115,	68
1089	Computational poroelasticity - A review. 2010 , 75, 75A229-75A243	109

1088	Drug Delivery to the Central Nervous System. 2010 ,	3
1087	Synthesis of porous acoustic absorbing systems by an evolutionary optimization method. 2010 , 42, 887-905	7
1086	Biot critical frequency applied to description of failure and yield of highly porous chalk with different pore fluids. 2010 , 75, E205-E213	18
1085	The direct and inverse problems of an air-saturated porous cylinder submitted to acoustic radiation. 2010 , 81, 094902	9
1084	Recovery of the parameters of cancellous bone by inversion of effective velocities, and transmission and reflection coefficients. 2011 , 27, 125006	15
1083	Noise control by sonic crystal barriers made of recycled materials. 2011 , 129, 1173-83	70
1082	Acoustic properties of air-saturated porous materials containing dead-end porosity. 2011 , 110, 094903	40
1081	Measurement of the resistivity of porous materials with an alternating air-flow method. 2011 , 129, 753-64	26
1080	The direct and inverse problems of an air-saturated poroelastic cylinder submitted to acoustic radiation. 2011 , 1, 032174	3
1079	Poromechanical Models. 2011 , 83-121	
1078	References. 2011 , 633-700	
1077	Optimization Design of Hybrid Mufflers on Broadband Frequencies Using the Genetic Algorithm. 2011 , 36,	12
1076	Wave propagation in heterogeneous porous media formulated in the frequency-space domain using a discontinuous Galerkin method. 2011 , 76, N13-N28	39
1075	In-Situ Viscosity from Acoustic Logging. 2011 ,	
1074	Biot Critical Frequency Applied as Common Friction Factor for Pore Collapse and Failure of Chalk With Different Pore Fluids and Temperatures. 2011 , 16, 1002-1009	
1073	Guideline for Adopting the Local Reaction Assumption for Porous Absorbers in Terms of Random Incidence Absorption Coefficients. 2011 , 97, 779-790	23
1072	The 25th anniversary of BUA for the assessment of osteoporosis: time for a new paradigm?. 2011 , 225, 113-25	22
1071	The Parameter Averaging Technique in Finite-Difference Modeling of Elastic Waves in Combined Structures with Solid, Fluid and Porous Subregions. 2011 , 10, 695-715	10

1070	Acoustical characterization of perforated facings. 2011 , 129, 1400-6	49
1069	A poroelastic model for ultrasonic wave attenuation in partially frozen brines. 2011 , 42, 105-115	4
1068	Equivalent Properties of Sound Absorbing Poroelastic Material Using the Homogenization Method. 2011 , 77, 75-88	2
1067	Laboratory measurements and theoretical modeling of seismoelectric interface response and coseismic wave fields. 2011 , 109, 074903	28
1066	Analysis of dispersion and attenuation of surface waves in poroelastic media in the exploration-seismic frequency band. 2011 , 187, 871-888	18
1065	Simulation of the dynamic (frequency-dependent) permeability and electrical conductivity in porous materials based on the concept of an ensemble of pores. 2011 , 52, 82-95	3
1064	Fabric dependence of wave propagation in anisotropic porous media. 2011 , 10, 39-65	40
1063	Analysis of coir fiber acoustical characteristics. 2011 , 72, 35-42	155
1062	A unified theory for elastic wave propagation through porous media containing cracksâAn extension of Biotâporoelastic wave theory. 2011 , 54, 1441-1452	46
1061	Finite element approximation of coupled seismic and electromagnetic waves in fluid-saturated poroviscoelastic media. 2011 , 27, 351-386	9
1060	Development of blended cement mortars with acoustic properties using petroleum coke. 2011 , 25, 1086-1092	13
1059	Wave propagation in stereo-lithographical (STL) bone replicas at oblique incidence. 2011 , 72, 458-463	5
1058	Acoustical properties of materials made of vegetable particles with several scales of porosity. 2011 , 72, 249-259	140
1057	Non-ambiguous recovery of Biot poroelastic parameters of cellular panels using ultrasonic waves. 2011 , 330, 1074-1090	24
1056	Effects of a multi-layered poro-elastic ground on attenuation of acoustic waves and ground vibration. 2011 , 330, 1403-1418	2
1055	Wavelet decomposition of transmitted ultrasound wave through a 1-D muscle-bone system. 2011 , 44, 352-8	6
1054	Time domain numerical modeling of wave propagation in 2D heterogeneous porous media. 2011 , 230, 5288-5309	21
1053	Study of Circumferential Waves on a Poroelastic Cylinder. 2011 , 97, 734-743	1

1052	Noise control strategies using composite porous materials â Simulations and experimental validations on plate/cavity systems. 2011 , 59, 464	5
1051	Pseudo interface waves observed at the fluid/porous-medium interface. A comparison of two methods. 2011 , 129, 2912-22	10
1050	Fractional-calculus model for temperature and pressure waves in fluid-saturated porous rocks. 2011 , 84, 036605	36
1049	Fabric dependence of quasi-waves in anisotropic porous media. 2011 , 129, 3302-16	23
1048	Stochastic theory of dynamic permeability in poroelastic media. 2011 , 84, 026329	12
1047	Fast compressional wave attenuation and dispersion due to conversion scattering into slow shear waves in randomly heterogeneous porous media. 2011 , 129, 2785-96	14
1046	Porous medium acoustics of wave-induced vorticity diffusion. 2011 , 98, 084101	6
1045	Effect of Aggregate Size and Gradation on the Ceramsite Sound-Absorbing Materials. 2011 , 216, 450-457	1
1044	Computation of acoustic absorption in media composed of packed microtubes exhibiting surface irregularity. 2011 , 130, 826-34	5
1043	Acoustic behaviour of fibrous materials. 2011 , 306-324	8
1042	Numerical Assessment of Hybrid Mufflers on a Venting System within a Limited Back Pressure and Space Using Simulated Annealing. 2011 , 30, 247-275	4
1041	Intrinsic attenuation from inhomogeneous waves in a dissipative anisotropic poroelastic medium. 2011 , 63, 89-101	2
1040	Frequency-dependent seismic reflection coefficient for discriminating gas reservoirs. 2011 , 8, 508-513	14
1039	Wave-driven porewater and solute circulation through rippled elastic sediment under highly transient forcing. 2011 , 1, 23-37	17
1038	Propagation of acoustic waves in a one-dimensional macroscopically inhomogeneous poroelastic material. 2011 , 130, 1390-8	22
1037	NUMERICAL MODELING OF ELECTROACOUSTIC LOGGING INCLUDING JOULE HEATING. 2011 , 22, 805-823	1
1036	Effect of the microstructure closed pore content on the acoustic behavior of polyurethane foams. 2011 , 110, 064901	90
1035	Acoustical properties of double porosity granular materials. 2011 , 130, 2765-76	56

1034	Bone Quantitative Ultrasound. 2011 ,	101
1033	Enhancing the absorption coefficient of a backed rigid frame porous layer by embedding circular periodic inclusions. 2011 , 130, 3771-80	49
1032	Measuring static thermal permeability and inertial factor of rigid porous materials (L). 2011 , 130, 2627-30	10
1031	Absorption of a rigid frame porous layer with periodic circular inclusions backed by a periodic grating. 2011 , 129, 3035-46	27
1030	Prediction of sound reflection by corrugated porous surfaces. 2011 , 129, 1696-706	8
1029	Frequency-Dependent Streaming Potential of Porous MediaâPart 2: Experimental Measurement of Unconsolidated Materials. 2012 , 2012, 1-17	8
1028	An application of the Peano series expansion to predict sound propagation in materials with continuous pore stratification. 2012 , 132, 208-15	15
1027	Electrokinetics in Earth Sciences: A Tutorial. 2012 , 2012, 1-16	54
1026	Acoustic properties of plates with unevenly distributed macroperforations backed by woven meshes. 2012 , 132, 3138-47	19
1025	Scattering of acoustic waves by macroscopically inhomogeneous poroelastic tubes. 2012 , 132, 477-86	4
1024	Frequency-Dependent Streaming Potentials: A Review. 2012 , 2012, 1-11	12
1023	Giant strain-sensitivity of acoustic energy dissipation in solids containing dry and saturated cracks with wavy interfaces. 2012 , 131, 1-12	7
1022	Frequency-Dependent Streaming Potential of Porous MediaâPart 1: Experimental Approaches and Apparatus Design. 2012 , 2012, 1-15	3
1021	Experimental Validation of the Electrokinetic Theory and Development of Seismoelectric Interferometry by Cross-Correlation. 2012 , 2012, 1-23	24
1020	Porous material parameter estimation: A Bayesian approach. 2012 ,	2
1019	Microstructure, transport, and acoustic properties of open-cell foam samples: Experiments and three-dimensional numerical simulations. 2012 , 111, 014911	67
1018	Accurate Designing of Flat-Walled Multi-Layered Lining System Using Genetic Algorithm for Application in Anechoic Chambers. 2012 ,	
1017	On the propagation of a disturbance in a heterogeneous, deformable, porous medium saturated with two fluid phases. 2012 , 77, L25-L44	3

1016	Low frequency noise absorption by helium-filled duct lining. 2012 , 60, 9-21	1
1015	Rigorous bounds for seismic dispersion and attenuation due to wave-induced fluid flow in porous rocks. 2012 , 77, L45-L51	4
1014	About the transition frequency in Biot's theory. 2012 , 131, EL454-60	14
1013	Joint porosity-permeability stochastic simulation by non-parametric copulas. 2012 , 235-260	
1012	Rayleigh Waves in Dissipative Poro-Viscoelastic Media. 2012 , 102, 2468-2483	16
1011	Effect of subsurface hydrological properties on velocity and attenuation of compressional and shear wave in fluid-saturated viscoelastic porous media. 2012 , 460-461, 110-116	3
1010	Sound absorption and form retention of newly developed heat-insulating/acoustic material. 2012 , 70, 697-704	6
1009	Numerical evidence of gas hydrate detection by means of electroseismics. 2012 , 86, 98-108	21
1008	A cracked porous medium elastic wave theory and its application to interpreting acoustic data from tight formations. 2012 , 77, D245-D252	57
1007	Stoneley waves in the Biot-Johnson and continuum filtration theories. 2012 , 53, 475-483	7
1006	Validity of fully drained, fully undrained and uâ formulations for modeling a poroelastic half-space under a moving harmonic point load. 2012 , 42, 292-301	20
1005	Semi-analytical and numerical methods for computing transient waves in 2D acoustic/poroelastic stratified media. 2012 , 49, 667-680	16
1004	Solid films and transports in cellular foams. 2012 , 112, 054911	23
1003	Low-frequency sound propagation in porous media: Glass spheres and pea gravel. 2012 , 73, 1146-1149	3
1002	On the sensitivity analysis of porous material models. 2012 , 331, 5292-5308	29
1001	Incidence-angle-dependent acoustic reflections from liquid-saturated porous solids. 2012 ,	6
1000	Wave fields and spectra of Rayleigh waves in poroelastic media in the exploration seismic frequency band. 2012 , 49, 62-71	14
999	Assessing the monitorability of CO2 saturation in subsurface saline aquifers. 2012 , 7, 244-260	12

998	Microstructure and sound absorption of snow. 2012 , 83-84, 3-12	10
997	Modelling of the acoustical properties of hemp particles. 2012 , 37, 801-811	42
996	Acoustical Properties of Cellular Materials. 2012 , 83-101	
995	Theory of the dynamic Biot-Allard equations and their link to the quasi-static Biot system. 2012 , 53, 123702	14
994	Acoustic scattering of spherical waves incident on a long fluid-saturated poroelastic cylinder. 2012 , 223, 2075-2089	7
993	Mechanics and Properties of Composed Materials and Structures. 2012 ,	
992	ENHANCEMENT OF COIR FIBER NORMAL INCIDENCE SOUND ABSORPTION COEFFICIENT. 2012 , 20, 1250003	4
991	Velocity and attenuation dispersion relations for the effective Biot model: total-field formulation. 2012 , 10, 197-206	1
990	Fourier Transform Sound Radiation. 2012 ,	
989	Development of a Laminar Flow Bioreactor by Computational Fluid Dynamics. 2012 , 3, 455-476	13
988	P-wave attenuation and dispersion in a porous medium permeated by aligned fracturesâ new poroelastic approach. 2012 , 9, 115-126	2
987	Efficient computation of the sound fields above a layered porous ground. 2012 , 131, 4389-98	6
986	Streaming-potential coefficient of reservoir rock: A theoretical model. 2012 , 77, D17-D43	57
985	Seismoelectric Fluid/Porous-Medium Interface Response Model and Measurements. 2012 , 93, 271-282	20
984	Propagation of plane P-waves at interface between elastic solid and unsaturated poroelastic medium. 2012 , 33, 829-844	8
983	Non-acoustical and acoustical properties of reticulated and partially reticulated polyurethane foams. 2012 , 73, 95-108	26
982	Controlling sound absorption by an upstream resistive layer. 2012 , 73, 56-60	42
981	A comparison of two acoustical methods for estimating parameters of glass fibre and melamine foam materials. 2012 , 73, 590-603	20

980	Sound absorption characteristics of a high-temperature sintering porous ceramic material. 2012 , 73, 865-871	68
979	Effect of porous material compression on the sound transmission of a covered single leaf panel. 2012 , 73, 791-797	14
978	A Wave Based Method for the efficient solution of the 2D poroelastic Biot equations. 2012 , 201-204, 245-262	30
977	Curvelet-based seismoelectric data processing. 2012 , 190, 1533-1550	32
976	A quantitative ultrasound model of the bone with blood as the interstitial fluid. 2012 , 55, 2029-2039	12
975	Role of structural anisotropy of biological tissues in poroelastic wave propagation. 2012 , 44, 174-188	20
974	Transfer functions for a one-dimensional fluidâporoelastic system subject to an ultrasonic pulse. 2012 , 13, 1030-1043	7
973	Behavior of poroelastic isotropic beam derivation by asymptotic expansion method. 2012 , 60, 1063-1087	5
972	A practical acoustical absorption analysis of coir fiber based on rigid frame modeling. 2012 , 58, 246-255	11
971	Permeability inversion from low-frequency seismoelectric logs in fluid-saturated porous formations. 2013 , 61, 120-133	24
970	Study on acoustical properties of sintered bronze porous material for transient exhaust noise of pneumatic system. 2013 , 332, 2721-2734	6
969	On the holes interaction and heterogeneity distribution effects on the acoustic properties of air-cavity backed perforated plates. 2013 , 74, 1492-1498	21
968	Transient Acoustic Wave Propagation in Non-Integer-Dimensional Rigid Porous Media. 2013 ,	
967	Dynamic Response of a Multilayered Poroelastic Half-Space to Harmonic Surface Traction. 2013 , 99, 229-249	14
966	A normal modes technique to reduce the order of poroelastic models: application to 2D and coupled 3D models. 2013 , 96, 110-128	8
965	Dynamic permeability of porous media by the lattice Boltzmann method. 2013 , 62, 292-302	30
964	The influence of mesoscopic flow on the P-wave attenuation and dispersion in a porous media permeated by aligned fractures. 2013 , 57, 482-506	2
963	Transient ultrasound propagation in porous media using Biot theory and fractional calculus: application to human cancellous bone. 2013 , 133, 1867-81	27

962	Axisymmetric wave propagation in multilayered poroelastic grounds due to a transient acoustic point source. 2013 , 52, 70-76	2
961	A direct hybrid Finite Element âWave Based Method for the steady-state analysis of acoustic cavities with poro-elastic damping layers using the coupled HelmholtzâBiot equations. 2013 , 263, 144-157	17
960	Mechanotransduction of ultrasound is frequency dependent below the cavitation threshold. 2013 , 39, 1303-19	35
959	Generalized minimum-phase relations for memory functions associated with wave phenomena. 2013 , 195, 1620-1629	2
958	Absorption of sound by porous layers with embedded periodic arrays of resonant inclusions. 2013 , 134, 4670	97
957	A Fourier based numerical method for computing the dynamic permeability of periodic porous media. 2013 , 37, 90-98	20
956	Sound absorption of porous materials âAccuracy of prediction methods. 2013 , 74, 1473-1479	64
955	Switch between fast and slow Biot compression waves induced by âsecond gradient microstructureâat material discontinuity surfaces in porous media. 2013 , 50, 1721-1746	34
954	Biot-JKD model: Simulation of 1D transient poroelastic waves with fractional derivatives. 2013 , 237, 1-20	26
953	Theoretical simulation of the multipole seismoelectric logging while drilling. 2013 , 195, 1239-1250	17
952	Effective poroelastic model for one-dimensional wave propagation in periodically layered media. 2013 , 195, 1337-1350	10
951	On the asymptotic solution of sound penetration into a rigid porous half-plane: A modified saddle point method. 2013 , 332, 4584-4596	2
950	Recovery of airflow resistivity of poroelastic beams submitted to transient mechanical stress. 2013 , 34, 393-407	3
949	The inverse problem of acoustic wave scattering by an air-saturated poroelastic cylinder. 2013 , 133, 1443-57	8
948	Application of the nonlocal Darcy law to the propagation of nonlinear thermoelastic waves in fluid saturated porous media. 2013 , 250, 52-57	14
947	Acoustic properties of cellular vitreous carbon foams. 2013 , 58, 76-86	44
946	A Wave Based Method for the axisymmetric dynamic analysis of acoustic and poroelastic problems. 2013 , 257, 1-16	16
945	Acoustic methods for measuring the porosities of porous materials incorporating dead-end pores. 2013 , 133, 2136-45	8

- 944 Enhancing rigid frame porous layer absorption with three-dimensional periodic irregularities. **2013**, 133, 821-31 11
- 943 Optimum control of broadband noise by arrays of cylindrical units made of a recycled material. **2013**, 74, 58-62 16
- 942 Estimation of the dynamic permeability of an assembly of permeable spherical porous particles using the cell model. **2013**, 80, 63-73 5
- 941 Dynamic permeability of an assemblage of soft spherical particles. **2013**, 36, 2174-2186 2
- 940 Nonlocal Maxwellian theory of sound propagation in fluid-saturated rigid-framed porous media. **2013**, 50, 1016-1035 26
- 939 Engine block soundproofing: on meta-models of poroelastic materials for acoustic absorption and head injury criterion. **2013**, 62, 72
- 938 Use of CO₂ as a Fluid in Fundamental Studies of Wave Propagation through Porous Media. **2013**,
- 937 Fluid-Solid Static Coupling for Saturated Porous Fiber Metals in the Biot's Acoustic Theory. **2013**, 99, 716-728 2
- 936 Inversion Problems for Determining Physical Parameters of Porous Materials: Overview and Comparison Between Different Methods. **2013**, 99, 341-351 43
- 935 Transients in Porous Media: Exact and Modelled Time-Domain Green's Functions. **2013**, 99, 557-571 10
- 934 Acoustic Absorption of Multi-Layer Structure Composed of Porous Layers Based on Biot's Model and Transfer Matrix Method. **2013**, 99, 751-758 5
- 933 Estimation of acoustic properties and of the representative volume element of random fibrous media. **2013**, 113, 104901 13
- 932 Simultaneous determination of porosity, tortuosity, viscous and thermal characteristic lengths of rigid porous materials. **2013**, 114, 204902 11
- 931 Slow Shear Waves in Poroelasticity and the Concept of Dynamic Permeability. **2013**,
- 930 Seismoelectric wave propagation numerical modelling in partially saturated materials. **2013**, 194, 1498-1513 53
- 929 Comparisons of two effective medium approaches for predicting sound scattering by periodic arrays of elastic shells. **2013**, 134, 3619-30
- 928 An alternative Biot's formulation for dissipative porous media with skeleton deformation. **2013**, 134, 4801 16
- 927 Impedance measurement of non-locally reactive samples and the influence of the assumption of local reaction. **2013**, 133, 2722-31 15

926	Use of a porous material description of forests in infrasonic propagation algorithms. 2013 , 134, 2647-59	2
925	Generalized equation for transient-wave propagation in continuous inhomogeneous rigid-frame porous materials at low frequencies. 2013 , 134, 4642	0
924	The effect of particle shape and size distribution on the acoustical properties of mixtures of hemp particles. 2013 , 134, 4698	20
923	Characterizing a porous road pavement using surface impedance measurement: a guided numerical inversion procedure. 2013 , 134, 4782	0
922	Influence of Forchheimer's nonlinearity and transient effects on pulse propagation in air saturated rigid granular materials. 2013 , 134, 4763	2
921	Tortuosity and the Averaging of Microvelocity Fields in Poroelasticity. 2013 , 80, 0209061-209065	4
920	Acoustics of porous materials with partially opened porosity. 2013 , 134, 4630	2
919	Acoustical model for Shoddy-based fiber sound absorbers. 2013 , 83, 1356-1370	23
918	Accurate Designing of Flat-Walled Multi-Layered Lining System Using Genetic Algorithm for Application in Anechoic Chambers. 2013 , 655-657, 158-168	
917	Biot's Slow Wave and Effective Hydraulic Conductivity in Random Media. 2013 ,	2
916	Influence Analysis of the Parameters on Sound Absorbing Performance for Polymer Wool. 2013 , 690-693, 1572-1576	
915	Modeling of Perforated Screens or Membrane Using Rigid Frame Porous Models Combined with Thin Membrane Resonance Sound Absorbing Theory. 2013 , 357-360, 1206-1211	1
914	Analysis of Sound Absorption of Date Palm Fibers Based on Flow Resistivity. 2013 , 471, 285-290	4
913	Identifying local characteristic lengths governing sound wave properties in solid foams. 2013 , 113, 084905	16
912	Frequency-dependent effective hydraulic conductivity of strongly heterogeneous media. 2013 , 88, 042119	7
911	Seismic wave attenuation and dispersion due to wave-induced fluid flow in rocks with strong permeability fluctuations. 2013 , 134, 4742	18
910	Shock-induced wave propagation over porous and fractured borehole zones: theory and experiments. 2013 , 134, 4792	1
909	A time-domain numerical modeling of two-dimensional wave propagation in porous media with frequency-dependent dynamic permeability. 2013 , 134, 4610	19

908	A direct link between microstructure and acoustical macro-behavior of real double porosity foams. 2013 , 134, 4681	27
907	A semi-phenomenological model to predict the acoustic behavior of fully and partially reticulated polyurethane foams. 2013 , 113, 054901	44
906	Vibration transmissibility and damping behaviour for auxetic and conventional foams under linear and nonlinear regimes. 2013 , 22, 084010	41
905	A Comparison of Seismic Attenuation Models for Unconsolidated Surficial Sediments: Evidence from Multi-Frequency Sonic Logs. 2013 ,	
904	Acoustic Characterization of Porous Materials with a Rigid Structure in the Low Frequency Regime. 2013 ,	
903	Visco-thermal dissipations in heterogeneous porous media. 2013 ,	
902	Noise attenuation by sonic crystal barriers made of microperforated units. 2013 ,	
901	High-frequency seismic response during permeability reduction due to biopolymer clogging in unconsolidated porous media. 2013 , 78, EN117-EN127	23
900	Development, characterization, and modeling of environmentally friendly open-cell acoustic foams. 2013 , 53, 1979-1989	36
899	Fracture compliance estimation using borehole tube waves. 2013 , 78, D249-D260	30
898	Microstructure-Based Numerical Modeling of the Solid-Fluid Coupling Interaction in Acoustic Foams. 2013 ,	
897	On the propagation of a disturbance in a smoothly varying heterogeneous porous medium saturated with three fluid phases. 2013 , 78, L1-L26	2
896	Observation of the Diffuse Biot Slow Wave via its Electrokinetic Coupling : A Numerical Perspective. 2013 ,	1
895	On the Reconstruction of Dynamic Permeability of Cancellous Bones. 2013 ,	
894	A model for determination of effective permeability from acoustic wavespeed and attenuation in a rigid two-phase porous medium. 2014 , 12, 391-404	2
893	Prediction of the Sound Absorption Performance of Polymer Wool by Using Artificial Neural Networks Model. 2014 , 7, 260-269	
892	Measuring static viscous permeability of porous absorbing materials. 2014 , 135, 3163-71	9
891	On reconstruction of dynamic permeability and tortuosity from data at distinct frequencies. 2014 , 30, 095002	7

890	Seismic modelling study of P-wave attenuation and velocity dispersion in patchy-saturated porous media. 2014 , 11, 065010	4
889	Experimental observation of a hydrodynamic mode in a flow duct with a porous material. 2014 , 136, 567-72	9
888	Sound penetration into a hard-backed rigid porous layer: theory and experiments. 2014 , 136, 475-84	
887	Linear elastic properties derivation from microstructures representative of transport parameters. 2014 , 135, 3172-85	27
886	Seismic wave propagation in porous media with spherical inclusions: Extension of White's model. 2014 ,	
885	Analytical Solutions of a Covering Formed by Two Porous Layers: Reflected and Transmitted Energy Reductions. 2014 , 100, 1001-1012	
884	Resonance Variation of Double-Layer Structure Composed of Porous Material and Air Layer Based on Biot Theory. 2014 , 100, 477-484	1
883	Tight gas detection based on the reflectivity dispersion technology. 2014 , 41, 628-633	
882	Impact of the irregular microgeometry of polyurethane foam on the macroscopic acoustic behavior predicted by a unit-cell model. 2014 , 136, 1666-81	29
881	Recovery of Biot's transition frequency of air-saturated poroelastic media using vibroacoustic spectroscopy. 2014 , 116, 063503	4
880	Omnidirectional acoustic absorber with a porous core and a metamaterial matching layer). 2014 , 115, 204902	26
879	Difficulties arising from different definitions of tortuosity for wave propagation in saturated poroelastic media models. 2014 , 94, 694-704	1
878	Dynamic flow resistivity based model for sound absorption of multi-layer sintered fibrous metals. 2014 , 57, 2096-2105	14
877	Simulation of multipole acoustic logging in cracked porous formations. 2014 , 79, D1-D10	24
876	Shear wave attenuation and micro-fluidics in water-saturated sand and glass beads. 2014 , 135, 3264-79	19
875	Experimental study of wood acoustic absorption characteristics. 2014 , 68, 467-476	18
874	On the balancing of structural and acoustic performance of a sandwich panel based on topology, property, and size optimization. 2014 , 333, 2677-2698	15
873	General regression neural network for prediction of sound absorption coefficients of sandwich structure nonwoven absorbers. 2014 , 76, 128-137	46

872	Acoustic absorption coefficient of open-cell polyolefin-based foams. 2014 , 121, 26-30	23
871	Committee neural network model for rock permeability prediction. 2014 , 104, 142-148	29
870	Measurement of the bulk acoustic properties of fibrous materials at high temperatures. 2014 , 77, 29-36	14
869	Check on a nonlocal Maxwellian theory of sound propagation in fluid-saturated rigid-framed porous media. 2014 , 51, 716-728	9
868	Simulation and experimental validation of acoustic properties of hollow sphere structures. 2014 , 45,	5
867	Influence of frequency and saturation on AVO attributes for patchy saturated rocks. 2014 , 79, B19-B36	24
866	Microstructure-based calculations and experimental results for sound absorbing porous layers of randomly packed rigid spherical beads. 2014 , 116, 034905	35
865	Towards the Design of Metamaterials with Enhanced Damage Sensitivity: Second Gradient Porous Materials. 2014 , 25, 99-124	40
864	Tortuosity studies of cellular vitreous carbon foams. 2014 , 80, 193-202	15
863	Effect of fracture compliance on wave propagation within a fluid-filled fracture. 2014 , 135, 3186-97	12
862	Using simple shape three-dimensional rigid inclusions to enhance porous layer absorption. 2014 , 136, 1139	57
861	Vibro-Acoustics of Lightweight Sandwich Structures. 2014 ,	10
860	Acoustical characterisation of porous sound absorbing materials: a review. 2014 , 10, 129	19
859	Wave simulation in 2D heterogeneous transversely isotropic porous media with fractional attenuation: A Cartesian grid approach. 2014 , 275, 118-142	8
858	Solution of coupled poroelastic/acoustic/elastic wave propagation problems using automatic . 2014 , 281, 54-80	23
857	Acoustic design of porous media with dimensionless numbers: redesign for new applications. 2014 , 49, 2307-2322	
856	Pseudo-interface Rayleigh wave on a permeable porous medium/vacuum interface. 2014 , 135, 2625-33	1
855	Semi-analytical solution of transient plane waves transmitted through a transversely isotropic poroelastic plate immersed in fluid. 2014 , 86, 125-138	6

854	Transient responses of porous media under moving surface impulses. 2014 , 51, 660-672	5
853	The Generalized Reflection and Transmission Matrix Method for Wave Propagation in Stratified Fluid-Saturated Porous Media. 2014 , 102, 185-206	4
852	Recent Trends in Nanotechnology and Materials Science. 2014 ,	4
851	Design optimization of porous fibrous material for maximizing absorption of sounds under set frequency bands. 2014 , 76, 319-328	45
850	Viscous dissipative power density function for poroelastic saturated materials at high frequencies. 2014 , 73, 11-27	2
849	On effective characteristic of Rayleigh surface wave propagation in porous fluid-saturated media at low frequencies. 2014 , 57, 94-103	8
848	Using shock waves to improve the sound absorbing efficiency of closed-cell foams. 2014 , 79, 110-116	6
847	Direct Problems for Poroelastic Waves with Fractional Derivatives. 2014 , 46, 1874-1892	2
846	Rock physics modeling of heterogeneous carbonate reservoirs: porosity estimation and hydrocarbon detection. 2014 , 11, 9-22	9
845	Effects of inclusion shapes within rigid porous materials on acoustic performance. 2014 ,	
844	Theoretical study on inverting the anisotropic permeability of VTI two-phase media by flexural waves in a fluid-filled borehole. 2014 , 79, D161-D173	
843	Using Crosswell Data To Enhance History Matching. 2014 ,	3
842	Towards a Non-linear Theory for Induced Seismicity in Shales. 2014 , 59, 158-165	
841	Induced electromagnetic field by seismic waves in Earth's magnetic field. 2014 , 119, 5651-5685	24
840	Stabilization of a hypersonic boundary layer using a felt-metal porous coating. <i>Journal of Fluid Mechanics</i> , 2015 , 769, 729-739	3-7 7
839	A porosity-based Biot model for acoustic waves in snow. 2015 , 61, 789-798	13
838	A parametric analysis of waves propagating in a porous solid saturated by a three-phase fluid. 2015 , 138, 3033-42	5
837	- Wave-based frequency-domain methods. 2015 , 408-447	

836	Wave dispersion in highly deformable, fluid-filled structures: Numerical and experimental study of the role of solid deformation and inertia. 2015 ,	
835	Miller Similitude and Generalized Scaling Analysis. 2015 , 13-22	4
834	Crustal permeability: Introduction to the special issue. 2015 , 15, 1-10	22
833	On the modeling of visco-thermal dissipations in heterogeneous porous media. 2015 , 138, 3922-9	16
832	A discontinuous Galerkin method with plane waves for sound-absorbing materials. 2015 , 104, 1115-1138	7
831	Time-domain solution of poroelastic wave equation with dynamic permeability. 2015 ,	
830	A pore-scale investigation of the dynamic response of saturated porous media to transient stresses. 2015 , 15, 11-23	7
829	Structural Damping by the Use of Fibrous Materials. 2015 ,	1
828	The Stability Analysis of FOAM-X Software in Porous Fiber Absorption Material. 2015 ,	
827	Enhanced Acoustic Performance using Key Design Parameters of Headliners. 2015 ,	1
826	Numerical and Experimental Studies of a Poroelastic Material using the JCA Model. 2015 ,	
825	Memory Effects on Nonlinear Temperature and Pressure Wave Propagation in the Boundary between Two Fluid-Saturated Porous Rocks. 2015 , 2015, 1-6	1
824	Development of an Acoustic Material Database for Vehicle Interior Trims. 2015 ,	4
823	A homogenization approach for characterization of the fluid-solid coupling parameters in Biot's equations for acoustic poroelastic materials. 2015 , 351, 251-267	14
822	Sound absorption of wood-based materials. 2015 , 69, 431-439	25
821	Physics of Porous Media: Fluid Flow Through Porous Media. 2015 , 19-41	11
820	Analytical Solution of Biot's Equations Based on Potential Functions Method. 2015 , 137,	2
819	Seismic reflection dispersion due to wave-induced fluid flow in heterogeneous reservoir rocks. 2015 , 80, D221-D235	34

818	Sound absorption properties of a low-density perforated date palm fibres panel. 2015 , 52, 213	3
817	Sound transmission through double cylindrical shells lined with porous material under turbulent boundary layer excitation. 2015 , 357, 253-268	36
816	Borehole seismoelectric logging using a shear-wave source: Possible application to CO2 disposal?. 2015 , 33, 89-102	28
815	Relationships among low frequency (2Hz) electrical resistivity, porosity, clay content and permeability in reservoir sandstones. 2015 , 112, 279-289	28
814	Rock Physics Models and Quantitative Seismic Prediction of Heterogeneous Gas Reservoirs â A Case Study in Metejan Area of Amu Darya Basin. 2015 , 291-337	4
813	Investigation of a Compound Perforated Panel Absorber With Backing Cavities Partially Filled With Polymer Materials. 2015 , 137,	8
812	A new unified modeling of acoustically-coupled multilayers by (u s,u W) displacement formulation based poroelastic transfer matrix. 2015 , 29, 663-676	1
811	Topology optimization for three-phase materials distribution in a dissipative expansion chamber by unified multiphase modeling approach. 2015 , 287, 191-211	19
810	Enhancing the absorption properties of acoustic porous plates by periodically embedding Helmholtz resonators. 2015 , 137, 273-80	101
809	Theory and experiments on poro-acoustics with inner resonators. 2015 , 54, 76-99	33
808	Improvement in underwater acoustic absorption performance of open-celled SiC foam. 2015 , 482, 568-574	10
807	Underwater acoustic absorption of air-saturated open-celled silicon carbide foam. 2015 , 471, 153-158	7
806	Technical Note. Effect of Liner Characteristics on the Acoustic Performance of Duct Systems. 2015 , 40, 117-127	3
805	Lower and Upper Bounds for Hydraulic Tortuosity of Porous Materials. 2015 , 109, 659-671	10
804	Generation of random microstructures and prediction of sound velocity and absorption for open foams with spherical pores. 2015 , 137, 1790-801	33
803	Transfer matrix modeling and experimental validation of cellular porous material with resonant inclusions. 2015 , 137, 3502-13	29
802	Normalized inverse characterization of sound absorbing rigid porous media. 2015 , 137, 3232-43	23
801	Nonlocal description of sound propagation through an array of Helmholtz resonators. 2015 , 343, 656-669	13

800	Further investigations of empirical improvements to the Johnson-Champoux-Allard model. 2015 , 96, 153-170	31
799	Acoustical properties of air-saturated porous material with periodically distributed dead-end pores. 2015 , 137, 1772-82	25
798	Time domain representation of frequency-dependent surface impedance using finite impulse response filters in discrete Huygens modeling. 2015 , 96, 180-190	2
797	Body Force and Fluid Source Equivalents for Dynamic Dislocations in Fluid-Saturated Porous Media. 2015 , 107, 1-12	5
796	Acoustic metamaterial absorbers based on multilayered sonic crystals. 2015 , 117, 114902	27
795	Water diffusion in amorphous hydrophilic systems: a stop and go process. 2015 , 31, 10843-9	26
794	Ultrasonic propagation of reflected waves in cancellous bone: Application of Biot theory. 2015 ,	0
793	A simplistic unit cell model for sound absorption of cellular foams with fully/semi-open cells. 2015 , 118, 276-283	29
792	Attenuation of sonic waves in water-saturated alluvial sediments due to wave-induced fluid flow at microscopic, mesoscopic and macroscopic scales. 2015 , 203, 146-157	6
791	Stokes Flow Through a Boolean Model of Spheres: Representative Volume Element. 2015 , 109, 711-726	14
790	Theoretical study on the amplitude ratio of the seismoelectric field to the Stoneley wave and the formation tortuosity estimation from seismoelectric logs. 2015 , 203, 2277-2286	7
789	Bibliography. 2015 , 607-635	
788	Biot Theory for Porous Media. 2015 , 299-420	1
787	A comparison of a fractional derivative model with an empirical model for non-linear shock waves in swelling shales. 2015 , 125, 181-188	8
786	Modelling Techniques for Vibro-Acoustic Dynamics of Poroelastic Materials. 2015 , 22, 183-236	15
785	Wave properties in poroelastic media using a Wave Finite Element Method. 2015 , 335, 125-146	17
784	A finite element model of perforated panel absorbers including viscothermal effects. 2015 , 90, 1-8	21
783	A numerical scheme for investigating the effect of bimodal structure on acoustic behavior of polylactide foams. 2015 , 88, 75-83	20

- 782 Considerations on the sound absorption of non locally reacting porous layers. **2015**, 87, 46-56 14
- 781 The contributions of apoplastic, symplastic and gas phase pathways for water transport outside the bundle sheath in leaves. **2015**, 38, 7-22 88
- 780 Prediction of acoustic foam properties by numerical simulation of polyurethane foaming process. **2016**, 80, 16005 1
- 779 A review on electrokinetically induced seismo-electrics, electro-seismics, and seismo-magnetics for Earth sciences. **2016**, 7, 249-284 42
- 778 Acoustic Absorption of Natural Fiber Composites. **2016**, 2016, 1-11 61
- 777 Identification of Material Parameters for the Simulation of Acoustic Absorption of Fouled Sintered Fiber Felts. **2016**, 9, 7
- 776 Acoustic Velocity and Attenuation in Magnetorheological fluids based on an effective density fluid model. **2016**, 45, 01001
- 775 Time-harmonic Analytic Solution for an Acoustic Plane Wave Scattering off an Isotropic Poroelastic Cylinder: Convergence and Form Function. **2016**, 24, 1550017
- 774 Seismo-electromagnetic thin-bed responses: Natural signal enhancements?. **2016**, 121, 2460-2479 29
- 773 Experimental determination of the viscous flow permeability of porous materials by measuring reflected low frequency acoustic waves. **2016**, 119, 014906 5
- 772 Vibro-acoustics of porous materials - waveguide modelling approach. **2016**, 744, 012095
- 771 Asymptotic limits of some models for sound propagation in porous media and the assignment of the pore characteristic lengths. **2016**, 139, 2463 22
- 770 A rational series approach for solving poroelastic wave equation with dynamic permeability. **2016**,
- 769 Quantification of Nanopore Networks: Application to Amorphous Polymers. **2016**, 120, 28144-28151 10
- 768 Broadband quasi perfect absorption using chirped multi-layer porous materials. **2016**, 6, 121605 20
- 767 Fluid pressure diffusion effects on the seismic reflectivity of a single fracture. **2016**, 140, 2554 16
- 766 References. 336-348
- 765 In situ measurements of sediment acoustic properties in Currituck Sound and comparison to models. **2016**, 140, 3593 16

764	Characterization of compressed earth blocks using low frequency guided acoustic waves. 2016 , 139, 2551	8
763	Seismic Modeling Complete Session. 2016 ,	
762	Spatial Laplace transform for complex wavenumber recovery and its application to the analysis of attenuation in acoustic systems. 2016 , 120, 135107	14
761	Experimental study on the sound absorption characteristics of continuously graded phononic crystals. 2016 , 6, 105205	19
760	Toward mechanistic understanding of the relationship between the sound absorption and the natural and resonant frequencies of porous media. 2016 , 140, 4246	1
759	Oscillatory fluid flow in deformable tubes: Implications for pore-scale hydromechanics from comparing experimental observations with theoretical predictions. 2016 , 140, 4378	3
758	Inverse characterization of the frequency-dependent acoustic and elastic parameters of porous materials by surface-normal impedance method. 2016 , 140, 2458	3
757	Study on the Acoustical Properties of Natural Jute Material by Theoretical and Experimental Methods for Building Acoustics Applications. 2016 , 44, 457-472	17
756	Inverse acoustical characterization of natural jute sound absorbing material by the particle swarm optimization method. 2016 , 112, 41-52	35
755	Design of multi-layered porous fibrous metals for optimal sound absorption in the low frequency range. 2016 , 6, 42-48	19
754	Salinity dependence of the complex surface conductivity of the Portland sandstone. 2016 , 81, D125-D140	34
753	Poroelastodynamics. 2016 , 475-571	
752	Detection of non-aqueous phase liquid contamination by SH-TE seismoelectrics: A computational feasibility study. 2016 , 130, 8-22	10
751	Estimation of rock physics properties from seismic attributes âPart 1: Strategy and sensitivity analysis. 2016 , 81, M35-M53	27
750	Modeling energy conversion in a tortuous stack for thermoacoustic applications. 2016 , 103, 233-242	20
749	A Double-layered Model for Highway Subgrade and its Dynamic Response due to Traffic Loads. 2016 , 143, 795-802	
748	Fabrication of polyurethane composite foams with magnesium hydroxide filler for improved sound absorption. 2016 , 44, 99-104	74
747	A generalized effective anisotropic poroelastic model for periodically layered media accounting for both Biot's global and interlayer flows. 2016 , 64, 1135-1148	7

746	Does Biot's theory have predictive power?. 2016 , 173, 2671-2686	2
745	Effects of the Wave Front on the Acoustic Reflection coefficient. 2016 , 102, 675-687	4
744	Laboratory measurements of guided-wave propagation within a fluid-saturated fracture. 2016 , 64, 143-156	11
743	Analysis of laboratory data on ultrasonic monitoring of permeability reduction due to biopolymer formation in unconsolidated granular media. 2016 , 64, 445-455	1
742	Experimental and numerical investigations of dissipation mechanisms in particle dampers. 2016 , 18, 1	21
741	On spatiotemporal wave-induced radiation distribution in a porous medium under impulsive transverse loadings. 2016 , 102-103, 89-99	2
740	Phononic crystals of poroelastic spheres. 2016 , 94,	11
739	Design of multi-chamber cylindrical silencers with microperforated elements. 2016 , 64, 532-543	1
738	Frequency-dependent attenuation of compressional wave and seismic effects in porous reservoirs saturated with multi-phase fluids. 2016 , 147, 371-380	1
737	Generalized poroviscoelastic model based on effective Biot theory and its application to borehole guided wave analysis. 2016 , 207, 1472-1483	12
736	An effective anisotropic poroelastic model for elastic wave propagation in finely layered media. 2016 , 81, T175-T188	4
735	Macroscopic framework for viscoelasticity, poroelasticity, and wave-induced fluid flows âPart 2: Effective media. 2016 , 81, D405-D417	8
734	Development of a model to assess acoustic treatments to reduce railway noise. 2016 , 744, 012148	
733	Three-dimensional time-harmonic fundamental solutions for a fluid-saturated poroelastic half-space with partially permeable free surface. 2016 , 40, 1903-1935	10
732	P and S wave responses of bacterial biopolymer formation in unconsolidated porous media. 2016 , 121, 1158-1177	21
731	Properties of low-frequency trapped mode in viscous-fluid waveguides. 2016 , 64, 1335-1349	4
730	Validation of the boundary conditions to model the seismic response of fractures. 2016 , 64, 1149-1165	5
729	Effect of isocyanate molecular structures in fabricating flexible polyurethane foams on sound absorption behavior. 2016 , 53, 156-164	53

728	Estimation of rock physics properties from seismic attributes âPart 2: Applications. 2016 , 81, M55-M69	13
727	Application of a Bayesian algorithm for the Statistical Energy model updating of a railway coach. 2016 , 112, 84-107	12
726	Enhancement of sound absorption in ducts using porous material with embedded inclusions. 2016 ,	
725	Dynamic transverse shear modulus for a heterogeneous fluid-filled porous solid containing cylindrical inclusions. 2016 , 206, 1677-1694	11
724	The criterion of subscale sufficiency and its application to the relationship between static capillary pressure, saturation and interfacial areas. 2016 , 472, 20150869	4
723	Shear properties of heterogeneous fluid-filled porous media with spherical inclusions. 2016 , 83, 154-168	20
722	Prediction of sound absorption in rigid porous media with the lattice Boltzmann method. 2016 , 49, 065501	1
721	Multiscale simulation of acoustic waves in homogenized heterogeneous porous media with low and high permeability contrasts. 2016 , 101, 92-109	20
720	Recovery of parameters of cancellous bone by acoustic interrogation. 2016 , 24, 284-316	5
719	Sound propagation in composite micro-tubes with surface-mounted fibrous roughness elements. 2016 , 127, 158-168	10
718	Multi-levels inverse identification of physical parameters of porous materials. 2016 , 108, 26-30	12
717	A wave based method to predict the absorption, reflection and transmission coefficient of two-dimensional rigid frame porous structures with periodic inclusions. 2016 , 312, 115-138	10
716	Speed and attenuation of acoustic waves in snow: Laboratory experiments and modeling with Biot's theory. 2016 , 125, 1-11	29
715	A direct hybrid finite elementâWave based modelling technique for efficient analysis of poroelastic materials in steady-state acoustic problems. 2016 , 304, 55-80	6
714	Agricultural by-products for building insulation: Acoustical characterization and modeling to predict micro-structural parameters. 2016 , 112, 158-167	35
713	Moment tensors of a dislocation in a porous medium. 2016 , 173, 2033-2045	4
712	The Elastic Coefficients of Double-Porosity Materials: A Revisit. 2016 , 111, 555-571	6
711	Computational homogenization of sound propagation in a deformable porous material including microscopic viscous-thermal effects. 2016 , 365, 119-133	9

710	Global optimisation methods for poroelastic material characterisation using a clamped sample in a Kundt tube setup. 2016 , 68-69, 462-478	12
709	Macroscopic framework for viscoelasticity, poroelasticity, and wave-induced fluid flows âPart 1: General linear solid. 2016 , 81, L1-L13	17
708	A mixed âBiotâShellâanalytical model for the prediction of sound transmission through a sandwich cylinder with a poroelastic core. 2016 , 360, 203-223	25
707	On the Use of Transfer Approaches to Predict the Vibroacoustic Response of Poroelastic Media. 2016 , 24, 1550020	3
706	Design of metaporous supercells by genetic algorithm for absorption optimization on a wide frequency band. 2016 , 102, 49-54	41
705	Numerical and experimental study of the effect of microslits on the normal absorption of structural metamaterials. 2016 , 70-71, 904-918	20
704	Sound absorption behavior of flexible polyurethane foams with distinct cellular structures. 2016 , 89, 448-454	109
703	Potential Method for 3D Wave Propagation in a Poroelastic Medium and Its Applications to LambâProblem for a Poroelastic Half-Space. 2016 , 16, 04015048	4
702	Transport of water and ions in partially water-saturated porous media. Part 1. Constitutive equations. 2017 , 103, 119-138	34
701	Modeling of grooved acoustic panels. 2017 , 120, 9-14	3
700	Comparative analysis on spatiotemporal pore pressure evolution under surfaceâwave perturbations. 2017 , 92, 596-603	1
699	Prediction of acoustic properties of polyurethane foams from the macroscopic numerical simulation of foaming process. 2017 , 120, 129-136	14
698	Dynamic stress intensity factor (Mode I) of a permeable penny-shaped crack in a fluid-saturated poroelastic solid. 2017 , 110-111, 127-136	18
697	Extension of the classical linear slip model for fluid-saturated fractures: Accounting for fluid pressure diffusion effects. 2017 , 122, 1302-1323	14
696	Acoustic characterization of a porous absorber based on recycled sugarcane wastes. 2017 , 120, 90-97	17
695	Porogranular materials composed of elastic Helmholtz resonators for acoustic wave absorption. 2017 , 141, 254	10
694	Effect of microstructure closed-pore content on the mechanical properties of flexible polyurethane foam. 2017 , 112, 97-105	14
693	Acoustic properties of multilayer sound absorbers with a 3D printed micro-perforated panel. 2017 , 121, 25-32	78

692	Transient ultrasonic wave propagation in porous material of non-integer space dimension. 2017 , 72, 276-286	3
691	Normal compression wave scattering by a permeable crack in a fluid-saturated poroelastic solid. 2017 , 33, 356-367	19
690	Silencer design for awning windows: Modified Helmholtz resonators with perforated foam. 2017 , 10, 677-685	2
689	Acoustic properties of model cellular vitreous carbon foams. 2017 , 119, 241-250	19
688	Influence of compaction pressure on the mechanical and acoustic properties of compacted earth blocks: An inverse multi-parameter acoustic problem. 2017 , 125, 128-135	17
687	Formulae for predicting non-acoustical parameters of deformed fibrous porous materials. 2017 , 141, 4301	7
686	Modeling of roughness effects on acoustic properties of micro-slits. 2017 , 50, 235303	8
685	A new analytical approach for the modeling of sound propagation in a stratified medium. 2017 , 50, 237-256	1
684	Sound propagation in porous materials with annular pores. 2017 , 141, 4642	10
683	A low-frequency sound absorbing material with subwavelength thickness. 2017 , 110, 221903	91
682	Acoustical properties of novel sound absorbers made from recycled granulates. 2017 , 127, 80-88	17
681	Acoustic absorption of fibro-granular composite with cylindrical grains. 2017 , 126, 58-67	29
680	Sound transmission through an acoustic porous metasurface with periodic structures. 2017 , 110, 171904	22
679	Composites of scrap tire rubber particles and adhesive mortar â Noise insulation potential. 2017 , 82, 45-66	33
678	Propagation characteristics of interface waves between a porous medium and a sediment-containing two-phase fluid. 2017 , 81, 73-80	1
677	Poroelastodynamic potential method for transversely isotropic fluid-saturated poroelastic media. 2017 , 50, 177-199	25
676	The effects of ballast on the sound radiation from railway track. 2017 , 399, 137-150	10
675	Low-frequency guided waves in a fluid-filled borehole: Simultaneous effects of generation and scattering due to multiple fractures. 2017 , 121, 104902	11

674	An inequality for longitudinal and transverse wave attenuation coefficients. 2017 , 141, 475	8
673	Optimization of low frequency sound absorption by cell size control and multiscale poroacoustics modeling. 2017 , 397, 17-30	51
672	Effective fiber diameter for modeling the acoustic properties of polydisperse fiber networks. 2017 , 141, EL96	11
671	Acoustic measurement of a 3D printed micro-perforated panel combined with a porous material. 2017 , 104, 233-236	26
670	A parametric model order reduction technique for poroelastic finite element models. 2017 , 142, 2376	2
669	Deterministic and statistical characterization of rigid frame porous materials from impedance tube measurements. 2017 , 142, 2407	35
668	Constrained AVO for CO2 Storage Monitoring at Sleipner. 2017 , 114, 3927-3936	5
667	Diffraction Imaging and Modeling and Seismic Modeling Complete Session. 2017 ,	
666	Acoustics of multiscale sorptive porous materials. 2017 , 29, 082006	17
665	Effect of the three-dimensional microstructure on the sound absorption of foams: A parametric study. 2017 , 142, 1130	28
664	A semi-analytical model for the influence of temperature on sound propagation in sintered metal fiber materials. 2017 , 134, 513-522	13
663	Acoustics of permeo-elastic materials. <i>Journal of Fluid Mechanics</i> , 2017 , 828, 135-174	3.7 11
662	Simulated Computation of the Acoustic Energy Transfer through the Structure of Porous Media in Application of Passenger Carriage Body. 2017 , 187, 100-109	7
661	A Systematic Link between Microstructure and Acoustic Properties of Foams: A Detailed Study on the Effect of Membranes. 2017 ,	
660	Microstructure representations for sound absorbing fibrous media: 3D and 2D multiscale modelling and experiments. 2017 , 409, 112-130	17
659	Application of Memory Concept on Petroleum Reservoir Characterization: A Critical Review. 2017 ,	
658	Acoustic Metamaterial. 2017 , 57-129	
657	Quantitative seismic characterization of CO2 at the Sleipner storage site, North Sea. 2017 , 5, SS23-SS42	14

656	Inverse identification of the acoustic porous parameters of double-layered poroelastic structures by acoustic rigidity approximation. 2017 , 142, 72	3
655	Sound Absorption Structures: From Porous Media to Acoustic Metamaterials. 2017 , 47, 83-114	210
654	Acoustic energy absorption properties of fibrous materials: A review. 2017 , 101, 360-380	127
653	Three-dimensional reconstruction of a random fibrous medium: Geometry, transport, and sound absorbing properties. 2017 , 141, 4768	14
652	Cell openness manipulation of low density polyurethane foam for efficient sound absorption. 2017 , 406, 224-236	56
651	Nonlocal dynamics of dissipative phononic fluids. 2017 , 95,	8
650	Elastic-wave velocity characterization of gas hydrate-bearing fractured reservoirs in a permafrost area of the Qilian Mountain, Northwest China. 2017 , 88, 1047-1058	12
649	Simulation of seismic wave propagation in 2-D poroelastic media using weighted-averaging finite difference stencils in the frequency-space domain. 2017 , 208, 148-161	15
648	A fractal study of sound propagation characteristics in roughened porous materials. 2017 , 68, 190-201	6
647	Investigation of the effects of the microstructure on the sound absorption performance of polymer foams using a computational homogenization approach. 2017 , 61, 330-344	21
646	Transient acoustic wave in self-similar porous material having rigid frame: Low frequency domain. 2017 , 68, 12-21	7
645	Acoustic modeling of perforated concrete using the dual porosity theory. 2017 , 115, 150-157	13
644	An experimental study on the acoustic absorption of sand panels. 2017 , 116, 238-248	4
643	Acoustics of sorptive porous materials. 2017 , 68, 162-181	17
642	Electro-osmosis in inhomogeneously charged microporous media by pore-scale modeling. 2017 , 486, 219-231	18
641	Theoretical and experimental study of the ultrasonic attenuation in bovine cancellous bone. 2017 , 115, 50-60	7
640	3D-printed straw-inspired metamaterial for sound absorption. 2017 ,	
639	Simultaneous measurements of transport and poroelastic properties of rocks. 2017 , 88, 124503	5

638	Target Setting and Prediction for Cabin Noise and Vibration in Aircraft Development. 2017 ,	0
637	Dynamic Fluid in a Porous Transducer-Based Angular Accelerometer. 2017 , 17,	7
636	Acoustic Theory for Particulates. 2017 , 119-175	1
635	Impact of T. J. Plona's Observation and Quantification of the Biot Fast and Slow Waves. 2017 ,	
634	Dynamic Permeability: Experimental Investigations and Numerical Analysis in the Low and High Frequency Regime. 2017 ,	1
633	On Permeability Estimation from Borehole Acoustic and Electromagnetic Flexural Waves. 2017 ,	
632	Effect of Turbulent Flow in Pores on Elastic Wave Dispersion and Attenuation in Porous Media. 2017 ,	
631	Parametric optimization and analysis of metallic porous material used for discharge system of hermetic compressor. 2018 , 136, 94-101	5
630	Experimental measurement of the porosity and the viscous tortuosity of rigid porous material in low frequency. 2018 , 37, 385-393	2
629	Fast multipole method for poroelastodynamics. 2018 , 89, 50-59	6
628	Design and numerical analysis of syntactic hybrid foam for superior sound absorption. 2018 , 142, 212-220	24
627	Morphological, acoustical, and physical properties of free-rising polyurethane foams depending on the flow directions. 2018 , 35, 1045-1052	12
626	Lignocellulosic Composite Materials. 2018 ,	5
625	Lignocellulosic Fibres Reinforced Polymer Composites for Acoustical Applications. 2018 , 415-444	1
624	Experimental characterization of rigid porous material via the first ultrasonic reflected waves at oblique incidence. 2018 , 133, 64-72	3
623	An equivalent fluid model based finite-difference time-domain algorithm for sound propagation in porous material with rigid frame. 2018 , 143, 130	11
622	Gassmann Theory Applies to Nanoporous Media. 2018 , 45, 146-155	17
621	Contributions of poroelastic-wave potentials to seismoelectromagnetic wavefields and validity of the quasi-static calculation: a view from a borehole model. 2018 , 212, 458-475	11

620	Assessment of methods to study the acoustic properties of heterogeneous perforated panel absorbers. 2018 , 133, 1-7	8
619	Frequency dependence of sound speed and attenuation in fine-grained sediments from 25 to 250 kHz based on a probe method. 2018 , 160, 45-53	11
618	An analytical solution to assess the SH seismic response of the vadose zone. 2018 , 213, 1999-2019	11
617	Attenuation and dispersion of SH-waves in a loosely bonded sandwiched fluid saturated porous layer. 2018 , 107, 350-362	12
616	Investigation of the relationship between morphology and permeability for open-cell foams using virtual materials testing. 2018 , 147, 1-10	19
615	Acoustics of permeable heterogeneous materials with local non-equilibrium pressure states. 2018 , 418, 221-239	9
614	Use of image analysis to predict the sound absorption coefficient of bituminous mixtures. 2018 , 19, 1259-1274	5
613	Reduction of Underwater Noise Radiated by Ships: Design of Metallic Foams for Diesel Tanks. 2018 , 43, 444-456	4
612	Acoustical model of vegetal wools including two types of fibers. 2018 , 129, 36-46	19
611	Microstructure-based experimental and numerical investigations on the sound absorption property of open-cell metallic foams manufactured by a template replication technique. 2018 , 137, 108-116	43
610	Microstructures for lowering the quarter wavelength resonance frequency of a hard-backed rigid-porous layer. 2018 , 130, 188-194	13
609	Experiments on reflection and transmission of acoustic porous metasurface with composite structure. 2018 , 185, 508-514	19
608	Investigation of Parameters Affecting the Acoustic Absorption Coefficient of Industrial Liners. 2018 , 1149-1158	
607	Acoustical properties of hemp concretes for buildings thermal insulation: Application to clay and lime binders. 2018 , 160, 462-474	32
606	Analysis of polyester/wood composite fiber needling mat sound absorption performance. 2018 , 39, 3823-3830	6
605	Modelling and optimization of the sound absorption of wood-wool cement boards. 2018 , 129, 144-154	20
604	Experimental measurement of tortuosity, viscous and thermal characteristic lengths of rigid porous material via ultrasonic transmitted waves. 2018 ,	1
603	Wave Propagation in Porous Materials. 2018 ,	0

602	Enhancing Sound Attenuation in Permeable Heterogeneous Materials via Diffusion Processes. 2018 , 104, 623-635	6
601	Analytical modeling of dissipative silencers. 2018 , 144, 2998	4
600	Acoustical modeling and Bayesian inference for rigid porous media in the low-mid frequency regime. 2018 , 144, 3084	8
599	Novel implementation of natural fibro-granular materials as acoustic absorbers. 2018 , 49, 311-316	5
598	On the Construction of Multiscale Surrogates for Design Optimization of Acoustical Materials. 2018 , 104, 1-4	0
597	Influences of Compression Ratios on Sound Absorption Performance of Porous Nickel-Iron Alloy. 2018 , 8, 539	15
596	A Simplified Method for Calculating Multilayer Sound Insulation with Layers of Fibrous Porous Material. 2018 , 64, 643-650	4
595	Efficient prediction of acoustic pulses accounting for fractional travel time. 2018 , 144, 2383	0
594	Simulation of sound transmission through the porous material, determining the parameters of acoustic absorption and sound reduction. 2018 , 157, 02058	2
593	From the Microstructure to Condensed Equivalent Fluid Models. 2018 ,	
592	The Patch-Transfer-Function (PTF) Method Applied to Numerical Models of Trim Materials Including Poro-Elastic Layers. 2018 ,	0
591	Open-cell poly(vinylidene fluoride) foams with polar phase for enhanced airborne sound absorption. 2018 , 113, 092903	8
590	Prediction of the six parameters of an equivalent fluid model for thermocompressed glass wools and melamine foam. 2018 , 139, 44-56	11
589	Permeability of solid foam: Effect of pore connections. 2018 , 97, 053111	15
588	A comparison of three geoacoustic models using Bayesian inversion and selection techniques applied to wave speed and attenuation measurements. 2018 , 143, 2501	7
587	Prediction of tortuosity, permeability, and pore radius of water-saturated unconsolidated glass beads and sands. 2018 , 143, 3154	9
586	Acoustic absorption of solid foams with thin membranes. 2018 , 112, 261904	14
585	Acoustic characterization of a porous metasurface with embedded partitions. 2018 ,	0

584	An analytical study of sound transmission through corrugated core FGM sandwich plates filled with porous material. 2018 , 151, 161-172	26
583	An Overview of Microstructural Approaches for Modelling and Improving Sound Proofing Properties of Cellular Foams: Developments and Prospects. 2018 ,	0
582	A simplified model for thin acoustic screens. 2018 , 144, EL76	6
581	A Survey on Fractional Derivative Modeling of Power-Law Frequency-Dependent Viscous Dissipative and Scattering Attenuation in Acoustic Wave Propagation. 2018 , 70,	25
580	Vibro-Acoustic Modeling of a Trimmed Truck Cabin in Low Frequency Range to Tackle the Challenge of Weight Reduction. 2018 ,	
579	Ultrasound Measuring of Porosity in Porous Materials. 2018 ,	1
578	A New Model for the Prediction of Track Sound Radiation. 2018 , 709-721	1
577	A Biot model for the determination of material parameters of cancellous bone from acoustic measurements. 2018 , 34, 085009	8
576	Sustainable sound absorbers obtained from olive pruning wastes and chitosan binder. 2018 , 141, 71-78	25
575	Modelling of waves in fluid-saturated porous media with high contrast heterogeneity: homogenization approach. 2018 , 98, 1699-1733	3
574	Bayesian inference for the ultrasonic characterization of rigid porous materials using reflected waves by the first interface. 2018 , 144, 210	13
573	Stoneley Permeability. 2018 , 173-204	
572	Innovative origami-based solutions for enhanced quarter-wavelength resonators. 2018 , 434, 379-403	10
571	Nonlocal scale effect on Rayleigh wave propagation in porous fluid-saturated materials. 2018 , 148, 459-466	7
570	Acoustic porous metasurface for excellent sound absorption based on wave manipulation. 2018 , 434, 273-283	28
569	Multiscale prediction of acoustic properties for glass wools: Computational study and experimental validation. 2018 , 143, 3283	7
568	Attenuation mechanisms in fractured fluid-saturated porous rocks: a numerical modelling study. 2019 , 67, 935-955	19
567	Mathematical Quantification of the Impact of Microstructure on the Various Effective Properties of Bones. 2019 , 143-154	

566	Effect of viscosity on pseudo-Scholte wave propagation at liquid/porous medium interface. 2019 , 146, 927	0
565	Multiscale characterization of glass wools using X-ray micro-CT. 2019 , 156, 109852	5
564	A discontinuous Galerkin method for wave propagation in orthotropic poroelastic media with memory terms. 2019 , 397, 108865	5
563	Estimating Properties of Frozen Soil and Snow from Acoustic Waveforms. 2019 ,	
562	Relations and Links Between Soil Mechanics, Porous Media Physics, Physiochemical Theory, and Effective Medium Theory. 2019 , 7,	0
561	Elastic wave scattering by a fluid-saturated circular crack and effective properties of a solid with a sparse distribution of aligned cracks. 2019 , 146, 470	7
560	Electrical conductivity and tortuosity of solid foam: Effect of pore connections. 2019 , 100, 013115	6
559	Sound transmission through a sandwich structure with two-layered pyramidal core and cavity absorption. 2019 , 459, 114853	10
558	Study on the acoustic characteristics of natural date palm fibres: Experimental and theoretical approaches. 2019 , 161, 106274	41
557	Numerical study for increasement of low frequency sound insulation of double-panel structure using sonic crystals with distributed Helmholtz resonators. 2019 , 33, 1950138	1
556	Nano-fibrous composite sound absorbers inspired by owl feather surfaces. 2019 , 156, 151-157	6
555	Permeability of fibrous carbon materials. 2019 , 54, 13537-13556	9
554	A non-parametric fluid-equivalent approach for the acoustic characterization of rigid porous materials. 2019 , 76, 330-347	1
553	Interaction of a normally-incident plane wave with a nonlinear poroelastic fracture. 2019 , 146, 1705	1
552	Bayesian inference of a human bone and biomaterials using ultrasonic transmitted signals. 2019 , 146, 1629	2
551	Acoustic Metamaterials for Industrial Applications. 2019 , 183-205	0
550	. 2019 ,	17
549	Optimally graded porous material for broadband perfect absorption of sound. 2019 , 126, 175101	24

548	Estimation of Fluid Phase Composition Variation Along the Wellbore by Analyzing Passive Acoustic Logging Data. 2019 ,	1
547	Estimation of Fluid Phase Composition Variation Along the Wellbore by Analyzing Passive Acoustic Logging Data (Russian). 2019 ,	
546	Modeling and coupling of acoustical layered systems that consist of elements having different transfer matrix dimensions. 2019 , 126, 165102	2
545	Estimating the material parameters of an inhomogeneous poroelastic plate from ultrasonic measurements in water. 2019 , 146, 2596	1
544	A Novel Peptide Ameliorates LPS-Induced Intestinal Inflammation and Mucosal Barrier Damage via Its Antioxidant and Antiendotoxin Effects. 2019 , 20,	16
543	Analysis of thermal and viscous boundary layers in acoustic absorption by metallic foam. 2019 , 146, 649	5
542	An engineering model for the prediction of the sound radiation from a railway track. 2019 , 461, 114921	9
541	Sound Insulation and Reflection Properties of Sonic Crystal Barrier Based on Micro-Perforated Cylinders. 2019 , 12,	6
540	Broadband low-frequency sound absorption by periodic metamaterial resonators embedded in a porous layer. 2019 , 461, 114922	35
539	An analysis of fractal dimension and tortuosity based on 2D numerical reconstruction model of reservoir rocks. 2019 , 7, SJ1-SJ6	2
538	Prediction of the airborne sound transmission through the front end of a vehicle. 2019 , 4, 169-178	1
537	Shock-induced Stoneley waves in carbonate rock samples. 2019 , 84, D209-D216	1
536	Environmentally-friendly thermal and acoustic insulation materials from recycled textiles. 2019 , 251, 109536	50
535	Capturing the Shear and Secondary Compression Waves: High-Frame-Rate Ultrasound Imaging in Saturated Foams. 2019 , 123, 148001	2
534	A study on the energy and the reflection angle of the sound reflected by a porous material. 2019 , 145, 489	2
533	General method to retrieve all effective acoustic properties of fully-anisotropic fluid materials in three dimensional space. 2019 , 125, 025114	10
532	On the Solvability of Some Dynamic Poroelastic Problems. 2019 , 60, 429-449	
531	Porous labyrinthine acoustic metamaterials with high transmission loss property. 2019 , 125, 215110	7

530	2-D poroelastic wave modelling with a topographic free surface by the curvilinear grid finite-difference method. 2019 , 218, 1961-1982	9
529	The Seismic Response to Injected Carbon Dioxide: Comparing Observations to Estimates Based Upon Fluid Flow Modeling. 2019 , 124, 6880-6907	7
528	Publishers note. 2019 , 130, 692-706	3
527	3D-printed sound absorbing metafluid inspired by cereal straws. 2019 , 9, 8496	9
526	Design of periodic foam structures for acoustic applications: Concept, parametric study and experimental validation. 2019 , 175, 107830	31
525	Assessing Relations Between Electrical and Geotechnical Properties of Sand-Clay Mixtures Using Jonscher Fractal Power Law Model. 2019 , 24, 77-85	2
524	Characterising poroelastic materials in the ultrasonic range - A Bayesian approach. 2019 , 456, 30-48	6
523	The Galactic Disk Phase Spirals at Different Galactic Positions Revealed by Gaia and LAMOST Data. 2019 , 877, L7	10
522	Propagation of seismic waves in patchy-saturated porous media: double-porosity representation. 2019 , 67, 2147-2160	4
521	Justification for Power Laws and Fractional Models. 2019 , 173-223	
520	Wave propagation in one-dimensional fluid-saturated porous metamaterials. 2019 , 99,	9
519	A multiscale theoretical approach for the sound absorption of slit-perforated double porosity materials. 2019 , 223, 110919	18
518	Simulation of Stoneley wave reflection from porous formation in borehole using FDTD method. 2019 , 217, 2081-2096	5
517	Numerical modelling of the sound absorption spectra for bottleneck dominated porous metallic structures. 2019 , 151, 164-171	8
516	Non-acoustical parameters and sound absorption characteristics of porous polyurethane foams. 2019 , 31, 037106	5
515	Time Dependent Solutions for the Biot Equations. 2019 , 171-191	
514	Frequency-domain FD modeling with an adaptable nearly perfectly matched layer boundary condition for poroviscoelastic waves upscaled from the effective Biot theory. 2019 , 84, WA59-WA70	4
513	Acoustic Performance of Metallic Foams. 2019 ,	6

512	Inverse identification of a higher order viscous parameter of rigid porous media in the high frequency domain. 2019 , 145, 1629	8
511	The noise radiated by ballasted and slab tracks. 2019 , 151, 193-205	9
510	Improving the sound absorption performance of sustainable thermal insulation materials: Natural hemp fibres. 2019 , 150, 279-289	44
509	Single parameter full waveform inversion in fluid-saturated porous media. 2019 ,	2
508	Mimicking a perfectly matched layer with a porous medium. 2019 ,	
507	Inverted wedge porous acoustic metamaterials. 2019 ,	
506	Experimental Investigation of Airfoil Turbulence-Impingement Noise Reduction Using Porous Treatment. 2019 ,	7
505	Cold Regions Engineering 2019. 2019 ,	
504	Extremely Asymmetrical Acoustic Metasurface Mirror at the Exceptional Point. 2019 , 123, 214302	50
503	Low frequency propagation through random polydisperse assemblies of cylindrical or spherical poroelastic obstacles. 2019 , 146, 4425	
502	Composite Eco-Friendly Sound Absorbing Materials Made of Recycled Textile Waste and Biopolymers. 2019 , 12,	18
501	Generalized power law for predicting the air flow resistivity of thermocompressed fibrous materials and open cell foams. 2019 , 143, 59-65	0
500	Analysis of radiation patterns for optimized full waveform inversion in fluid-saturated porous media. 2019 , 216, 1919-1937	7
499	Tuning membrane content of sound absorbing cellular foams: Fabrication, experimental evidence and multiscale numerical simulations. 2019 , 162, 345-361	26
498	Modeling of acoustic porous material absorber using rigid multiple micro-ducts network: Validation of the proposed model. 2019 , 443, 376-396	9
497	Numerical Investigation of Second-Mode Attenuation over Carbon/Carbon Porous Surfaces. 2019 , 56, 319-332	11
496	Macroscopic model for unsteady flow in porous media. <i>Journal of Fluid Mechanics</i> , 2019 , 862, 283-311	3.7 18
495	Stoneley wave attenuation and dispersion and the dynamic permeability correction. 2019 , 84, WA1-WA10	12

494	Acoustic characterization of ducts lined with poroelastic materials based on wave finite element method. 2019 , 145, 362-373	11
493	Investigation of the intrinsic permeability of ice-templated collagen scaffolds as a function of their structural and mechanical properties. 2019 , 83, 189-198	13
492	Smart Noise Control Using Shape Memory Sound Absorber. 2019 , 4, 1800410	6
491	Application of global sensitivity analysis to statistical energy analysis: Vehicle model development and transmission path contribution. 2019 , 146, 368-389	7
490	Sound absorption of plates with micro-slits backed with air cavities: Analytical estimations, numerical calculations and experimental validations. 2019 , 146, 261-279	16
489	CO2 saturation estimates at Sleipner (North Sea) from seismic tomography and rock physics inversion. 2019 , 67, 1055-1071	7
488	Frequency-domain seismic wave modelling in heterogeneous porous media using the mixed-grid finite-difference method. 2019 , 216, 34-54	4
487	Uncertainty and sensitivity analysis of porous materials acoustic behavior. 2019 , 144, 64-70	2
486	Comparison of acoustic absorption characteristics of coir and date palm fibers: experimental and analytical study of green composites. 2020 , 17, 39-48	26
485	Modelling sound absorption of tunable double layer woven fabrics. 2020 , 157, 107008	13
484	Study on the sound absorption coefficient model for porous asphalt pavements based on a CT scanning technique. 2020 , 230, 117019	13
483	Transient acoustic wave propagation in bone-like porous materials using the theory of poroelasticity and fractional derivative: a sensitivity analysis. 2020 , 231, 179-203	1
482	Generalized Transfer Matrix Method for periodic planar media. 2020 , 464, 114993	4
481	On the numerical modeling of poroelastic layers in spring-mass systems. 2020 , 157, 106996	2
480	Vibration mitigation in saturated soil by periodic pile barriers. 2020 , 117, 103251	20
479	Experimental and computational investigation of sound absorption performance of sustainable porous material: Yucca Gloriosa fiber. 2020 , 157, 106999	40
478	Definition of analytical models of non-acoustical parameters for randomly-assembled symmetric and asymmetric radii distribution in parallel fiber structures. 2020 , 159, 107091	3
477	On the numerical eigenmode analysis of acoustically lined ducts with uniform mean flow. 2020 , 168, 105300	3

476	Seismic attenuation and dispersion in a cracked porous medium: An effective medium model based on poroelastic linear slip conditions. 2020 , 140, 103229	8
475	Experimental Measurement of Frequency-Dependent Permeability and Streaming Potential of Sandstones. 2020 , 131, 333-361	1
474	Dynamic stress intensity factor of a rectangular crack in an infinite saturated porous medium: Mode I problem. 2020 , 223, 106737	5
473	Sound absorption performance of sustainable foam materials: Application of analytical and numerical tools for the optimization of forecasting models. 2020 , 161, 107166	17
472	Investigation of the Acoustic Performance of Bagasse. 2020 , 9, 882-889	14
471	Wave-Induced Dynamic Response and Liquefaction of Transversely Isotropic Seabed. 2020 , 20, 04019192	2
470	A weight-adjusted discontinuous Galerkin method for the poroelastic wave equation: Penalty fluxes and micro-heterogeneities. 2020 , 403, 109061	12
469	Measurement and analysis of sound absorption by a composite foam. 2020 , 160, 107138	10
468	Apparent permeability study of rarefied gas transport properties through ultra-tight VORONOI porous media by Discrete Velocity Method. 2020 , 74, 103100	3
467	Topology optimization design for total sound absorption in porous media. 2020 , 360, 112723	8
466	An overview of the acoustic studies of bone-like porous materials, and the effect of transverse acoustic waves. 2020 , 147, 103189	7
465	Diffuse field transmission through multilayered cylinders using a Transfer Matrix Method. 2020 , 136, 106514	8
464	Acoustics of monodisperse open-cell foam: An experimental and numerical parametric study. 2020 , 148, 1767	4
463	Estimation of all six parameters of Johnson-Champoux-Allard-Lafarge model for acoustical porous materials from impedance tube measurements. 2020 , 148, 1998	9
462	Reproducibility of sound-absorbing periodic porous materials using additive manufacturing technologies: Round robin study. 2020 , 36, 101564	13
461	Multiparameter full-waveform inversion in fluid-saturated porous media. 2020 ,	2
460	Sound Absorption Properties of Natural Fibers: A Review. 2020 , 12, 8477	36
459	Seismically Induced Unclogging in Fluid-Saturated Faults. 2020 , 125, e2020JB020152	1

458	Acoustic simulation of cavities with porous materials using an adaptive model order reduction technique. 2020 , 485, 115570	5
457	An empirical model to predict sound absorption ability of woven fabrics. 2020 , 170, 107483	7
456	Robust high-efficiency and broadband acoustic absorber based on meta-molecule cluster sets. 2020 , 170, 107517	2
455	Acoustic metamaterial for low frequency sound absorption in linear and nonlinear regimes. 2020 , 485, 115585	6
454	Thermal and Acoustic Numerical Simulation of Foams for Constructions. 2020 ,	
453	Explicit expression for complex velocity of Rayleigh wave in dissipative poroelastic solid. 2020 , 1-10	1
452	Numerical Modelling of Electroacoustic Logging Including Joule Heating. 2020 , 12, 791-802	
451	Estimation and uncertainty analysis of fluid-acoustic parameters of porous materials using microstructural properties. 2020 , 148, 308	3
450	Prediction of the sound absorption behavior of nonwoven fabrics: Computational study and experimental validation. 2020 , 485, 115607	15
449	Homogenization of the fluid-structure interaction in acoustics of porous media perfused by viscous fluid. 2020 , 71, 1	3
448	Sound insulation of complex façades: A complete study combining different numerical approaches. 2020 , 169, 107484	11
447	Estimation of acoustic absorption in porous materials based on visco-thermal boundary layers modeled as boundary conditions. 2020 , 148, 1624	1
446	Wave Propagation in Fractured-Porous Media with Different Percolation Length of Fracture Systems. 2020 , 41, 1533-1544	6
445	The Governing Set of Coupled Seismo-electromagnetic Equations. 2020 , 9-30	
444	Saturation Dependence of the Streaming Potential Coefficient. 2020 , 73-100	
443	Laboratory Measurements of Coseismic Fields. 2020 , 109-122	
442	Seismicity and Stress Associated With a Fluid-Driven Fracture: Estimating the Evolving Geometry. 2020 , 125, e2020JB020190	1
441	Minor Squirt in Unconsolidated Sands versus Strong Squirt in Compressed Glass Beads. 2020 , 2020, 1-8	1

440	Characterization on Polyester Fibrous Panels and Their Homogeneity Assessment. 2020 , 12,	4
439	Sound propagation in porous materials containing rough tubes. 2020 , 32, 093604	10
438	Subwavelength broadband sound absorber based on a composite metasurface. 2020 , 10, 13823	11
437	Investigation of Acoustic Properties on Wideband Sound-Absorber Composed of Hollow Perforated Spherical Structure with Extended Tubes and Porous Materials. 2020 , 10, 8978	2
436	Performance Characterization of Broad Band Sustainable Sound Absorbers Made of Almond Skins. 2020 , 13,	6
435	Subcell-resolution finite-difference modelling of seismic waves in Biot and JKD poroelastic media. 2020 , 224, 760-794	11
434	Evanescent waves in two-dimensional fluid-saturated porous metamaterials with a transversely isotropic matrix. 2020 , 101,	6
433	Benchmarks for microstructure-based modelling of sound absorbing rigid-frame porous media. 2020 , 483, 115441	25
432	P-wave attenuation and dispersion in a fluid-saturated rock with aligned rectangular cracks. 2020 , 147, 103409	3
431	Sound Absorption of Hemp Fibers (Cannabis Sativa L.) Based Nonwoven Fabrics and Composites: A Review. 2020 , 1-13	22
430	Scale and structure dependent solute diffusivity within microporous tissue engineering scaffolds. 2020 , 31, 46	6
429	A coupled FEM-MFS method for the vibro-acoustic simulation of laminated poro-elastic shells. 2020 , 121, 4235-4267	1
428	Mechatronics 4.0. 2020 ,	
427	Equations and fundamental characteristics of transverse waves propagating in fluid-saturated porous materials. 2020 , 152, 103292	5
426	Computation of acoustic properties and design guidelines of periodic Biot-modeled foams. 2020 , 168, 107428	9
425	Sound absorption by metallic foam after triaxial hydrostatic compression. 2020 , 147, 3594	2
424	Vibration mitigation in saturated soil by periodic in-filled pipe pile barriers. 2020 , 124, 103633	10
423	Using Velocities, Density, and Bulk Modulus to Predict the Permeability Evolution of Microfractured Rocks. 2020 , 53, 4001-4013	5

422	Numerical Simulation of Oscillating Pore Pressure Experiments and Inversion for Permeability. 2020 , 56, e2019WR025681	4
421	Open-cell P(VDF-TrFE)/MWCNT nanocomposite foams with local piezoelectric and conductive effects for passive airborne sound absorption. 2020 , 127, 214102	5
420	A priori determination of the elastic and acoustic responses of periodic poroelastic materials. 2020 , 169, 107455	4
419	Computation of dispersion diagrams for periodic porous materials modeled as equivalent fluids. 2020 , 142, 106749	11
418	Improving and Optimizing Sound Absorption Performance of Polyurethane Foam by Prepositive Microperforated Polymethyl Methacrylate Panel. 2020 , 10, 2103	5
417	A review of the different approaches to predict the sound transmission loss of building partitions. 2020 , 27, 253-279	5
416	Diffuse Sound Absorptive Properties of Parallel-Arranged Perforated Plates with Extended Tubes and Porous Materials. 2020 , 13,	6
415	Preface to the Third Edition. 2020 , xi-xii	
414	Basic Tools. 2020 , 1-36	
413	Elasticity and Hooke's Law. 2020 , 37-120	0
412	Seismic Wave Propagation. 2020 , 121-219	
411	Effective Elastic Media: Bounds and Mixing Laws. 2020 , 220-308	
410	Granular Media. 2020 , 309-366	
409	Fluid Effects on Wave Propagation. 2020 , 367-473	
408	Empirical Relations. 2020 , 474-524	0
407	Flow and Diffusion. 2020 , 525-576	
406	Electrical Properties. 2020 , 577-612	
405	Appendices. 2020 , 613-672	

404 References. **2020**, 673-715

403 Estimation of sound absorption coefficient of layered fibrous material using artificial neural networks. **2020**, 169, 107476 14

402 Porous Cores in Small Thermoacoustic Devices for Building Applications. **2020**, 13, 2941 9

401 Influence of Moisture of Wheat on Acoustic Wave Propagation Characteristics. **2020**, 63, 1315-1326 1

400 On the role of turbulence distortion on leading-edge noise reduction by means of porosity. **2020**, 485, 115561 22

399 Seismo-electric conversion in shale: experiment and analytical modelling. **2020**, 223, 725-745 5

398 Bayesian inversion of joint SH seismic and seismoelectric data to infer glacier system properties. **2020**, 68, 1633-1656 2

397 Wettability effect on wave propagation in saturated porous medium. **2020**, 147, 911 5

396 RETRACTED: Experimental characterization of human cancellous bone via the first ultrasonic reflected wave â Application of Biotâ theory. **2020**, 163, 107237 1

395 Microstructural design, manufacturing and dual-scale modelling of an adaptable porous composite sound absorber. **2020**, 187, 107833 21

394 Pore-scale bending and membrane effects in permeo-elastic media. **2020**, 145, 103362 1

393 Laboratory-scale characterization of saturated soil samples through ultrasonic techniques. **2020**, 10, 3216 3

392 Mode-Merging Design Method for Nonlocally Reacting Liners with Porous Materials. **2020**, 58, 2533-2545 3

391 Characterization of biomass-based materials for building applications: The case of straw and olive tree waste. **2020**, 147, 112229 29

390 Sound Absorption Properties of Perforated Recycled Polyurethane Foams Reinforced with Woven Fabric. **2020**, 12, 2

389 Porous acoustic metamaterials in an inverted wedge shape. **2020**, 36, 100648 11

388 Effects of Fluid Rheology and Pore Connectivity on Rock Permeability Based on a Network Model. **2020**, 125, no 6

387 Pineapple Leaf Fibers. **2020**, 8

- 386 Numerical study on the influence of fiber cross-sectional shapes on the sound absorption efficiency of fibrous porous materials. **2020**, 164, 107222 8
- 385 Design Considerations for Hydrogel Wound Dressings: Strategic and Molecular Advances. **2020**, 26, 230-248 61
- 384 The Four-Pole Transfer Matrices of an Elastic Porous Layer. **2020**, 66, 89-96
- 383 An Investigation on the Sound Absorption Performance of Granular Molecular Sieves under Room Temperature and Pressure. **2020**, 13, 2
- 382 Prediction of the acoustic effect of an interior trim porous material inside a rigid-walled car air cavity model. **2020**, 165, 107325 7
- 381 Extensive investigation of multiphysics approaches in simulation of complex periodic structures. **2020**, 166, 107356 10
- 380 Design and parametric study of macro-structure of foams for combined high absorption and low pressure drop. **2020**, 166, 107358 3
- 379 Formulation and validation of the shift cell technique for acoustic applications of poro-elastic materials described by the Biot theory. **2021**, 147, 107089 5
- 378 Combining the 2.5D FE-BE method and the TMM method to study the vibro-acoustics of acoustically treated rib-stiffened panels. **2021**, 493, 115825 1
- 377 Enhancing the acoustic absorption of vegetation with embedded periodic metamaterials. **2021**, 171, 107576 6
- 376 Investigation of loose wood chips and sawdust as alternative sustainable sound absorber materials. **2021**, 172, 107639 5
- 375 Wool waste used as sustainable nonwoven for building applications. **2021**, 278, 123905 17
- 374 A review of the physical and mechanical properties of volcanic rocks and magmas in the brittle and ductile regimes. **2021**, 153-238 3
- 373 Perforated closed-cell aluminium foam for acoustic absorption. **2021**, 174, 107706 7
- 372 The stability of poro-elastic wave equations in saturated porous media. **2021**, 69, 65-75 4
- 371 Multiscale approach to characterize effective mechanical, hydraulic and acoustic properties of a new bio-based porous material. **2021**, 26, 101938 2
- 370 Evidence for the Heterogeneity of the Pore Structure of Rocks from Comparing the Results of Various Techniques for Measuring Hydraulic Properties. **2021**, 136, 217-243 2
- 369 Pole identification method to extract the equivalent fluid characteristics of general sound-absorbing materials. **2021**, 174, 107752 2

368	Frequency domain full-waveform inversion in a fluid-saturated poroelastic medium. 2021 , 225, 68-84	4
367	Recent Developments in Acoustics. 2021 ,	0
366	Bibliography. 2021 , 277-293	
365	Tortuosity in two-dimensional and three-dimensional fractal porous media: A numerical analysis. 2021 , 25-36	1
364	Noise control treatments modeling using statistical energy analysis and the transfer matrix method. 2021 , 91-131	1
363	Linear acoustics in fluids and solids and variational formulations. 2021 , 117-156	
362	Improving the Morphological Parameters of Aluminum Foam for Maximum Sound Absorption Coefficient using Genetic Algorithm. 2021 , 55, 117-130	0
361	A porous medium model for mud. 2021 , 149, 629	5
360	Attenuation and dispersion of P-waves in fluid-saturated porous rocks with a distribution of coplanar cracks â scattering approach. 2021 , 86, MR81-MR93	2
359	Squirt flow in porous media saturated by Maxwell-type non-Newtonian fluids. 2021 , 103, 023101	1
358	A self-consistent approach for the acoustical modeling of vegetal wools. 2021 , 495, 115911	0
357	Acoustics modelling of open-cell foam materials from microstructure and constitutive properties. 2021 , 149, 2016	2
356	On disappearing Stoneley waves in functionally graded plates. 1	2
355	Experimental characterization of air-saturated porous material via low-frequencies ultrasonic transmitted waves. 2021 , 33, 037102	0
354	A Trial Acoustic Improvement in a Lecture Hall with MPP Sound Absorbers and FDTD Acoustic Simulations. 2021 , 11, 2445	1
353	Pore Size Distribution Controls Dynamic Permeability. 2021 , 48, e2020GL090558	2
352	Factorization à la Dirac Applied to Some Equations of Classical Physics. 2021 , 9, 899	
351	Convolutional neural networks for estimating transport parameters of fibrous materials based on micro-computerized tomography images. 2021 , 149, 2813	1

350	Vibration Damping and Acoustic Behavior of PU-Filled Non-Stochastic Aluminum Cellular Solids. 2021 , 11, 725	1
349	Assessment of the Measurement and Prediction Methods for the Acoustic Properties of Natural Fiber Samples and Evaluation of Their Properties. 1-29	4
348	Investigation on the Acoustic Performance of Multiple Helmholtz Resonator Configurations. 2021 , 49, 355-369	0
347	Low-frequency sound absorption of a tunable multilayer composite structure. 107754632110082	2
346	Jute and Luffa Fiber-Reinforced Biocomposites: Effects of Sample Thickness and Fiber/Resin Ratio on Sound Absorption and Transmission Loss Performance. 1-16	3
345	A Fano-based acoustic metamaterial for ultra-broadband sound barriers. 2021 , 477,	3
344	Design and Additive Manufacturing of Porous Sound Absorbers-A Machine-Learning Approach. 2021 , 14,	6
343	Extended Gassmann equation with dynamic volumetric strain: Modeling wave dispersion and attenuation of heterogeneous porous rocks. 2021 , 86, MR149-MR164	9
342	Additive manufacturing of fibrous sound absorbers. 2021 , 41, 101984	1
341	Characterizing and modelling the sound absorption of the cellulose acetate fibers coming from cigarette butts. 2021 , 19, 1075-1086	4
340	Preface. 2021 , xvii-xx	
339	Duct Acoustics: Fundamentals and Applications to Mufflers and Silencers. 2021 ,	1
338	Acoustic labyrinthine porous metamaterials for subwavelength low-frequency sound absorption. 2021 , 129, 195103	7
337	Fractures in Low-Permeability Rocks: Can Poroelastic Effects Associated With Damage Zones Enhance Their Seismic Visibility?. 2021 , 126, e2020JB021155	1
336	Index. 2021 , 579-586	
335	Effects of Viscosity and Thermal Conductivity. 2021 , 369-398	
334	Reflection and Radiation at Open Duct Terminations. 2021 , 399-437	
333	Radiated Sound Pressure Prediction. 2021 , 474-500	

- 332 Multi-tonal subwavelength metamaterial for absorption and amplification of acoustic and ultrasonic waves. **2021**, 3, 025024 1
- 331 Microperforated Panel and deep subwavelength Archimedean-inspired spiral cavities for multi-tonal and broadband sound absorption. **2021**, 176, 107901 2
- 330 Modeling of Ducted Acoustic Sources. **2021**, 438-473
- 329 Multi-Modal Sound Propagation in Ducts. **2021**, 238-325
- 328 Acoustic Properties of Rigid-Frame Fibrous Materials. **2021**, 561-566
- 327 Transmission of Wave Modes in Coupled Ducts. **2021**, 326-368
- 326 Impedance of Compact Apertures. **2021**, 567-578
- 325 Transmission of Low-Frequency Sound Waves in Ducts. **2021**, 59-124
- 324 Gradually perforated porous materials backed with Helmholtz resonant cavity for broadband low-frequency sound absorption. **2021**, 263, 113647 8
- 323 Resonators, Expansion Chambers and Silencers. **2021**, 173-237
- 322 Basic Equations of Fluid Motion. **2021**, 552-560
- 321 Ultralight graphene oxide/polyvinyl alcohol aerogel for broadband and tuneable acoustic properties. **2021**, 11, 10572 7
- 320 Introduction to Acoustic Block Diagrams. **2021**, 23-58
- 319 Measurement Methods. **2021**, 501-532
- 318 Some Preliminaries. **2021**, 1-22
- 317 System Search and Optimization. **2021**, 533-551
- 316 Transmission of One-Dimensional Waves in Coupled Ducts. **2021**, 125-172
- 315 On the Normal-Incidence Reflection Coefficient in Porous Media. **2021**, 42, 923-942 3

314	A simple equivalent plate model for dynamic bending stiffness of three-layer sandwich panels with shearing core. 2021 , 500, 116025	6
313	On the condensation of thick symmetric multilayer panels including dilatational motion. 2021 , 502, 116078	1
312	Equivalent fluid approach to modeling the acoustical properties of polydisperse heterogeneous porous composites. 2021 , 33, 062008	3
311	Acoustic characterization of silica nanoparticle-impregnated Kevlar fabric. 004051752110238	1
310	Acoustic measurement and statistical characterization of direct-printed, variable-porosity aluminum foams. 2021 , 149, 4327	0
309	Acoustic and thermoacoustic properties of an additive manufactured lattice structure. 2021 , 149, 3878	3
308	Predicting the frequency-dependent effective excess charge density: A new upscaling approach for seismoelectric modeling. 2021 , 86, WB77-WB86	3
307	Seismic responses to an earthquake source in stratified transversely isotropic porous media. 2021 , 69, 1336-1357	0
306	Acoustic Characterization of Some Steel Industry Waste Materials. 2021 , 11, 5924	0
305	Sound absorption of petal shaped micro-channel porous materials. 2021 , 33, 063606	2
304	Sound Transmission Loss of a Two-Layered Pyramidal Structure Lined with Porous Material. 2021 , 59, 2714-2724	2
303	Acoustic and thermal characterization of a novel sustainable material incorporating recycled microplastic waste. 2021 , 28, e00274	7
302	Experimental and Analytical Investigation of the Distortion of Turbulence Interacting with a Porous Airfoil. 2021 ,	0
301	Measuring Gas Transport and Sorption in Large Intact Geologic Specimens via the Piezometric Method. 2021 , 139, 1-20	1
300	High-Temperature and Low-Frequency Acoustic Energy Absorption by a Novel Porous Metamaterial Structure. 1	2
299	Experimental characterization of 3D-printed sound absorber. 2021 , 89, 104304	5
298	Numerical modelling and optimisation of reverberation cutback for packed spheres. 2021 ,	
297	Airflow resistivity measurement and sound absorption performance analysis of sound-absorb cotton. 2021 , 179, 108060	2

296	Frequency-dependent seismic properties in layered and fractured rocks with partial saturation. 2021 , 69, 1716	2
295	A two-and-half dimensional finite element/boundary element model for predicting the vibro-acoustic behaviour of panels with poro-elastic media. 2021 , 505, 116147	1
294	Inverse Measurement of the Thickness and Flow Resistivity of Porous Materials via Reflected Low Frequency Waves-Frequency Approach.	
293	Characterization and modelling of the sound reduction of hemp-clay walls in buildings. 2021 , 40, 102315	0
292	Linearized finite difference schemes for a tempered fractional Burgers equation in fluid-saturated porous rocks. 1-25	1
291	Acoustics of porous composites. 2021 , 220, 109006	5
290	Correct description of S-wave propagation across material discontinuities in poroelasticity. 2021 ,	
289	Virtual elements for sound propagation in complex poroelastic media. 1	1
288	Surface Acoustic Waves to Control Droplet Impact onto Superhydrophobic and Slippery Liquid-Infused Porous Surfaces. 2021 , 13, 46076-46087	8
287	Recent progress in acoustic materials and noise control strategies â a review. 2021 , 24, 101141	4
286	High-temperature effect on the sound absorption of cylindrically perforated porous materials. 2021 , 130, 105101	0
285	Sound absorption of hollow polyester woven fabric with honeycomb weave. 2021 , 180, 108148	1
284	External mean flow effect on sound transmission through composite sandwich structures filled with porous materials. 2021 ,	0
283	Semi-analytical IGA-based computation of wave dispersion in fluid-coupled anisotropic poroelastic plates. 2021 , 212, 106830	2
282	The influence of closed pore ratio on sound absorption of plant-based polyurethane foam using control unit model. 2021 , 180, 108083	0
281	Experimental investigation of the effect of moisture on the acoustic properties of lightweight substrates used in green envelopes. 2021 , 180, 108108	2
280	Impact of Low Concentration of Strongly Hydrogen-Bonded Water Molecules on the Dynamics of Amorphous Terfenadine: Insights from Molecular Dynamics Simulations and Dielectric Relaxation Spectroscopy. 2021 , 125, 11292-11307	0
279	Use of date palm waste fibers as sound absorption material. 2021 , 41, 102752	13

278	Numerical simulation and modeling of a poroelastic media for detection and discrimination of geo-fluids using finite difference method. 2021 , 61, 3447-3447	1
277	Fluids Alter Elasticity Measurements: Porous Wave Propagation Accounts for Shear Wave Dispersion in Elastography. 2021 , 9,	0
276	Inverse design and experimental verification of an acoustic sink based on machine learning. 2021 , 180, 108153	8
275	Textiles in architectural acoustic conditioning: a review. 1-7	1
274	S-wave propagation across material discontinuities in poroelasticity. 1-39	0
273	Seismic waves in medium with poroelastic/elastic interfaces: a two-dimensional P-SV finite-difference modelling. 2021 , 228, 551-588	1
272	Natural fibro-granular composite as a novel sustainable sound-absorbing material. 2021 , 181, 108157	11
271	Effect of stresses on wave propagation in fluid-saturated porous media. 2021 , 167, 103519	2
270	Sound absorption enhancement in poro-elastic materials in the viscous regime using a massâ€spring effect. 2021 , 511, 116353	
269	Perfect sound absorption of Helmholtz resonators with embedded channels in petal shape. 2021 , 130, 135102	0
268	High-order X-FEM for the simulation of sound absorbing poro-elastic materials with coupling interfaces. 2021 , 510, 116262	0
267	A review of the thermal and acoustic properties of materials for timber building construction. 2021 , 43, 103066	9
266	On the sensitivity of the design of composite sound absorbing structures. 2021 , 210, 110058	2
265	Directional quantification of power dissipation in sound-absorbing metaporous layers. 2021 , 512, 116375	1
264	Investigation of long acoustic waveguides for the very low frequency characterization of monolayer and stratified air-saturated poroelastic materials. 2021 , 182, 108200	2
263	Reflection and transmission of transient ultrasonic wave in fractal porous material: Application of fractional calculus. 2021 , 106, 102804	1
262	Application of equivalent diameter in sound absorption performance prediction of non-circular sectional polyester fibers. 2021 , 182, 108238	1
261	A novel multiscale porous composite structure for sound absorption enhancement. 2021 , 276, 114456	3

260	Sound absorption performance of natural fiber composite from chrome shave and coffee silver skin. 2021 , 182, 108264	6
259	Broadband low-frequency sound absorption by coiled-up space embedded in a porous layer. 2021 , 182, 108226	3
258	Sound absorption of macro-perforated additively manufactured media. 2021 , 182, 108204	2
257	Numerical investigations about the sound transmission loss of a fuselage panel section with embedded periodic foams. 2021 , 182, 108265	5
256	Experimental and modeling investigation of the acoustic behavior of sustainable kenaf/yucca composites. 2021 , 183, 108332	6
255	Deterministic and statistical methods for the characterisation of poroelastic media from multi-observation sound absorption measurements. 2022 , 163, 108186	4
254	The accuracy of some models to predict the acoustical properties of granular media. 2022 , 185, 108358	1
253	Application of Acoustical Method to Characterize Nonwoven Material. 2021 , 22, 831-840	1
252	Characterizing and modeling of acoustical performance of natural sound absorber. 2021 , 49-64	1
251	Natural sonic crystal absorber constituted of seagrass (<i>Posidonia Oceanica</i>) fibrous spheres. 2021 , 11, 711	5
250	Geometry Effects on Sound in Porous Media. 2001 , 187-192	1
249	Relationships between Seismic and Hydrological Properties. 2005 , 253-290	122
248	Intraparenchymal Delivery and Its Discontents. 2010 , 85-135	4
247	Oscillating Flow of a Compressible Fluid through Deformable Pipes and Pipe Networks: Wave Propagation Phenomena. 2009 , 969-994	2
246	Linear Waves and Shock Waves in Flexible and Rigid Porous Media. 2007 , 297-324	2
245	Modeling of Fluid Transport in Geothermal Research. 2014 , 1-55	4
244	Modeling of Fluid Transport in Geothermal Research. 2015 , 1443-1505	8
243	Waves in Porous and Granular Materials. 1999 , 131-185	17

242	Homogenization Theories and Inverse Problems. 2011 , 229-263	0
241	A semi-analytical model for sound propagation in sintered fiber metals. 2017 , 126, 17-26	13
240	The Rock Physics Handbook. 2020 ,	94
239	Resonance of a liquid-liquid interface. 1988 , 49, 777-785	27
238	Elastic waves in porous media saturated with non-wetting fluid. 2020 , 60, 315	2
237	Dynamic permeability functions for partially saturated porous media. 2020 , 221, 1182-1189	7
236	Dynamic response of a compressible binary fluid mixture. 2020 , 5,	5
235	An extended transfer matrix method for measuring acoustical properties of porous materials beyond the cut-off frequency. 2020 , 148, 3772	1
234	Stoneley wave propagation across borehole permeability heterogeneities. 1994 ,	1
233	Acoustic signatures of wave-induced vorticity diffusion in porous media. 2010 ,	1
232	Bounds for seismic dispersion and attenuation in poroelastic rocks. 2011 ,	1
231	Mathematical Modeling of Porous Medium for Sound Absorption Simulations II: Wave Propagation and Interface Conditions. 2019 , 07, 2780-2795	1
230	Innovative Acoustic Material Concept Integration into Vehicle Design Process.	1
229	Seismo-electrics, electro-seismics, and seismo-magnetics for earth sciences.	3
228	Guided circumferential wave propagation characteristics for porous cylinder immersed in infinite fluid. 2019 , 68, 084301	1
227	Prediction method of sound absorption properties of porous materials by probabilistic homogenization method using perturbation method. 2021 , 87,	0
226	Acoustic properties study of porous materials with orthotropic symmetry and specific pore shapes - I. Analytical calculations. 2021 , 516, 116518	0
225	Capillary Pressure. 2022 , 79-115	

- 224 Energy flow analysis of equivalent fluid models for porous media. **2021**, 150, 2782 0
- 223 Influence of interfaces roughness on elastic properties of layered media. **2021**, 66, 103170 3
- 222 Transmission Loss Analyses on Different Angular Distributions of Periodic Inclusions in a Porous Layer. 1 2
- 221 On the Dependence of Acoustic Pore Shape Factors on Porous Asphalt Volumetrics. **2021**, 13, 11541 0
- 220 Angle-dependent sound absorption estimation using a compact microphone array. **2021**, 150, 2388
- 219 Damping and sound absorption properties of polymer matrix composites: A review. **2021**, 104, 107388 8
- 218 Elastic Properties of the Earth's Surface. **2001**, 473-552
- 217 Wave propagation in saturated high porosity materials. **2005**,
- 216 Poroelastic modeling of seismic boundary conditions across a fracture. **2006**,
- 215 A simple approximation for seismic attenuation and dispersion in a fluid-saturated porous rock with aligned fractures. **2007**,
- 214 Fast P-wave conversion scattering into slow S-wave. **2009**,
- 213 Discontinuous Galerkin method in frequency-space domain for wave propagation in 2D heterogeneous porous media. **2010**,
- 212 The Fast and Slow Wave Propagation in Cancellous Bone: Experiments and Simulations. **2011**, 291-318 1
- 211 The influence of operational factors on aircraft noise levels. **2011**, 265-294
- 210 Governing Equations for Wave Propagation in a Fluid-Saturated Porous Medium. **2013**, 9-28 2
- 209 Pseudo Interface Waves Observed at the Fluid/Porous-Medium Interface: A Comparison of Two Methods. **2013**, 79-102
- 208 Green's Tensors for Wave Propagation in a Fluid-Saturated Porous Medium. **2013**, 29-52
- 207 On Wavemodes at the Interface of a Fluid and a Fluid-Saturated Poroelastic Solid. **2013**, 53-78

- 206 Acoustical Properties of Hemp Concretes. 243-266 1
- 205 Elastic wave propagation characteristics under anisotropic squirt-flow condition. **2014**, 63, 069101 2
- 204 Sound Absorption Properties of a Low Density Date Palm Fibers Panel. **2014**, 63-76
- 203 Sound Propagation in the Atmosphere. **2014**, 117-155 2
- 202 Sound Propagation in Rib-Stiffened Sandwich Structures with Cavity Absorption. **2014**, 289-339
- 201 Inhomogeneous Plane Waves in Layered Media. **1991**, 425-431
- 200 Surface Wave Inspection of Porous Ceramics and Rocks. **1993**, 1695-1702
- 199 Slurry Ultrasonic Particle Size and Concentration Characterization. **1998**, 485-495 1
- 198 Finite Difference and Finite Element Methods. **1999**, 179-219
- 197 P wave propagation characteristics in extended White layered model. **2014**,
- 196 Basic equations of structural acoustics and vibration. **2015**, 9-20
- 195 Porous sound absorption. **2016**, 175-224
- 194 Technical Program in full - Part II (RC 1 - VSP P1). **2016**,
- 193 References. 398-445
- 192 Effect of capillary pressure on seismic velocities. **2017**, 0
- 191 Poroelastic modeling in stratified media: Biot-JKD equations. **2017**,
- 190 A discontinuous Galerkin method with a modified penalty flux for broadband Biot's equation. **2017**,
- 189 Mathematical Modeling of Porous Medium for Sound Absorption Simulations: Application of Multi-Scales and Homogenization. **2018**, 06, 2705-2717 2

- 188 Characterization of Natural Vuggy Fractured Porous Medium: Its Physicochemical Properties, Porosity and Permeability. **2018**, 06, 38-49 0
- 187 Parameter tradeoffs in FWI in fluid-saturated porous media. **2018**,
- 186 Model for Frequency Dependence of Thermal Permeability in Order to Quantify the Effects of Thermal Exchange on Wave Propagation in Multi Layered Porous Medium. **2019**, 07, 1440-1462 1
- 185 Determining Sound Transmission Loss of SAE J1400 Control Sample.
- 184 Green Acoustic Absorber from Pineapple Leaf Fibers. **2020**, 143-165 0
- 183  **2020**, 32, 58-76
- 182 Comparison of heuristics and metaheuristics for topology optimisation in acoustic porous materials. **2021**, 150, 3164 0
- 181 Permeability Determination from Stoneley Waves in the Ara Group Carbonates, Oman. **2001**, 6, 649-666 13
- 180 Bayesian inference of human bone sample properties using ultrasonic reflected signals. **2020**, 148, 3797 2
- 179 Nonlocal Dynamic Homogenization of Fluid-Saturated Metamaterials. **2021**, 273-331
- 178 Three-dimensional biomechanical modeling of cylindrical bone-like porous materials subject to acoustic waves. **2022**, 213, 106835 0
- 177 Manufacturing and semi-analytical modeling of environment-friendly sound absorbent porous glasses. **2022**, 185, 108444
- 176 Acoustic Metamaterial Absorbers. **2021**, 167-204
- 175 Generation of uncertainty envelopes for thin acoustic screens with uncertain parameters. **2020**, 4, 8
- 174 Sensitivity Analysis of Porous Material Using the Mixed Formulation. **2020**, 105-112
- 173 The Transfer Matrix Method in Acoustics. **2021**, 103-164 0
- 172 Laminar Fluid Mixing in Micromixers: Description of Pull-push Effects. 1
- 171 Experimental Investigation into the Scale Dependence of Fluid Transport in Heterogeneous Rocks. **2006**, 2103-2123

170 Pore Roughness Effects on Highfrequency Permeability. **2005**, 53-60

169 Computation of the Alpha Cabin Sound Absorption Coefficient by Using the Finite Transfer Matrix Method (FTMM): Inter-Laboratory Test on Porous Media. **2021**, 143, 1

168 Dependence of Macro-Scale Response of Fibrous Materials on Polygonal Arrangement of Fibers. **2021**, 161-171

167 Inter-Laboratory Characterization of Biot Parameters of Poro-Elastic Materials for Automotive Applications. 1

166 Micro-Macro Acoustic Modeling of Heterogeneous Foams with Nucleation Perturbation.

165 A study on the influence of salinity interfaces on borehole seismoelectric wavefields. **2020**, 85, D167-D180 1

164 Sound absorption of porous materials perforated with holes having gradually varying radii. **2022**, 120, 107229 1

163 Machine learning inversion design and application verification of a broadband acoustic filtering structure. **2022**, 187, 108522 3

162 Fabrication of flexible acoustic metamaterials by growing metal-organic frameworks on fabrics. **2022**, 29, 355 0

161 Addressing the ill-posedness of multi-layer porous media characterization in impedance tubes through the addition of air gaps behind the sample: Numerical validation. **2021**, 520, 116601 0

160 Fractured formation evaluation by seismic attenuation derived from array acoustic log waves based on modified spectral ratio method and an extended Biot's poroelastic model. **2021**, 109838 1

159 A reliability study concerning the acoustic simulations of timber elements for buildings. **2021**, 125765 1

158 Recent progress in acoustic metamaterials and active piezoelectric acoustic metamaterials - A review. **2021**, 26, 101260 4

157 Sound Absorption Properties and Accuracy of Prediction Models on Natural Fiber Based Nonwoven Materials. 1-13

156 An Adaptive Order Finite Element Method for poroelastic materials described through the Biot equations. 1

155 Acoustic behaviour of textile structures. **2021**, 53, 1-64 1

154 Electric vehicles diffusion: changing pavement acoustic design?. **2021**, 8, 281-294 1

153 Seismic Rock Physics of Gas-Hydrate Bearing Sediments. **2022**, 55-63 0

- 152 Broadband and Low-Frequency Acoustic Liner Investigations at NASA and ONERA. 1-20 0
- 151 Permeability of polydisperse solid foams.. **2022**, 105, 015101 1
- 150 Equations and fundamental characteristics of compressional waves propagating in fluid-saturated porous materials. **2022**, 171, 103619 0
- 149 Energy analysis and discretization of the time-domain equivalent fluid model for wave propagation in rigid porous media. **2022**, 451, 110888 0
- 148 Topology optimization of acoustic systems with a multiconstrained BESO approach. **2022**, 201, 103701 0
- 147 Acoustic Performance and Flame Retardancy of Ammonium Polyphosphate/Diethyl Ethylphosphonate Rigid Polyurethane Foams.. **2022**, 14, 0
- 146 Enhanced Low-Frequency Sound Absorption of a Porous Layer Mosaicked with Perforated Resonator.. **2022**, 14, 1
- 145 GeoNDT: a fast general-purpose computational tool for geotechnical non-destructive testing applications. 1
- 144 Acoustic wave propagation in permeable lossy metamaterials. **2022**, 34, 017117 0
- 143 Transient Propagation of Spherical Waves in Porous Material: Application of Fractional Calculus. **2022**, 14, 233 1
- 142 Frequency stop-band optimization in micro-slit resonant metamaterials. **2022**, 188, 108552 1
- 141 Poroelastic near-field inverse scattering. **2022**, 455, 111005
- 140 On the time-domain full waveform inversion for time-dissipative and dispersive poroelastic media. 1-17
- 139 Link between Acoustic and Hygrothermal Behavior of Hemp Shiv and Pith Composites. 1
- 138 Influence of Higher Order Viscous and Thermal Effects on an Ultrasonic Wave Reflected from the First Interface of a Porous Material.. **2022**, 15,
- 137 Prediction of random incidence sound absorption coefficients of porous materials. **2022**, 189, 108625 1
- 136 Selection of periodic cellular structures for multifunctional applications directly based on their unit cell geometry. **2022**, 107133 3
- 135 Non-locality of the Willis coupling in fluid laminates. **2022**, 102892

134	Sugarcane bagasse waste fibers as novel thermal insulation and sound-absorbing materials for application in sustainable buildings. 2022 , 211, 108753	9
133	Dynamic fluid transport property of hydraulic fractures and its evaluation using acoustic logging. 2022 , 49, 223-232	0
132	Theoretical modelling of seismic dispersion, attenuation and frequency-dependent anisotropy in a fluid-saturated porous rock with intersecting fractures. 2022 , 230, 580-606	0
131	S-Wave Attenuation Due to Fluid Acceleration. 1	1
130	The acoustical absorption by air-saturated aerogel powders.. 2022 , 151, 1502	1
129	Generalized Effective Biot Theory and Seismic Wave Propagation in Anisotropic, Poroviscoelastic Media. 2022 , 127,	0
128	Fabrication of flexible sound absorption composite by constructing membrane with damping function on fabric. 2022 , 191, 108666	1
127	Low frequency acoustic method to measure the complex bulk modulus of porous materials.. 2022 , 151, 1545	1
126	Mechanical, thermal and acoustical evaluation of biocomposites made of agricultural waste for ceiling tiles. 2022 , 191, 108689	3
125	Improved sound absorption performance of synthetic fiber materials for industrial noise reduction: a review. 1	2
124	Deep auto-encoder network in predictive design of Helmholtz resonator: On-demand prediction of sound absorption peak. 2022 , 191, 108680	1
123	High-order SAFE computation of reflection and transmission coefficients for functionally-graded poroelastic plates. 2022 , 102914	
122	Review of acoustic metasurfaces for hypersonic boundary layer stabilization. 2022 , 130, 100808	5
121	Design and fused filament fabrication of multilayered microchannels for subwavelength and broadband sound absorption. 2022 , 55, 102777	1
120	Compressional wave propagation in saturated porous media and its numerical analysis using a space-time conservation element and solution element method.. 2021 , 92, 125108	0
119	Modeling sound absorption of graded foam absorbers via polynomial surrogate technique.	0
118	Investigation on Acoustic Versus Functional Characteristics of Porous Asphalt. 2021 , 16, 212-239	0
117	On the development of a virtual test bench to assess sound absorption of materials in an alpha chamber. 2021 , 2131, 022106	

- 116 Gaussian-Based Machine Learning Algorithm for the Design and Characterization of a Porous Meta-Material for Acoustic Applications. **2022**, 12, 333 0
- 115 Calculation of matrix permeability from velocity and attenuation of ultrasonic S-wave. **2021**, 18, 984-994 2
- 114 Measuring and modelling the effect of base zone on sound absorption of persian rug. 1-9
- 113 High-performance polyurethanes foams for automobile industry. **2022**, 105-129 1
- 112 Coupling Soil-Fluid-Structure Domains by Localized Lagrange Multipliers Mixed Formulation (u,p) for Modeling Offshore Wind Turbine Vibration. 0
- 111 Prediction of sound absorption performance of fibers coming from cigarette butts using a phenomenological model. 152808372210972
- 110 Universal scaling for the permeability of random packs of overlapping and nonoverlapping particles.. **2022**, 105, L043301 0
- 109 Wave equations for porous media described by the Biot model.. **2022**, 151, 2576 0
- 108 Learning acoustic responses from experiments: A multiscale-informed transfer learning approach.. **2022**, 151, 2587
- 107 Ultrasonic Assessment of Cancellous Bone Based on the Two-Wave Phenomenon.. **2022**, 1364, 119-143
- 106 Limitations on validating slitted sound absorber designs through budget additive manufacturing. **2022**, 110703
- 105 A computational approach based on X-FEM for thin porous layers in acoustic problems 1
- 104 Strain Localization in Magmas. **2022**, 87, 721-765 2
- 103 Polydisperse solid foams: Multiscale modeling and simulations of elasto-acoustic properties including thin membrane effects. **2022**, 111684 0
- 102 Integral representation of hydraulic permeability. 1-30 1
- 101 Measuring and modeling the effect of density and pile height on sound absorption of double base Persian rug. 152808372210893
- 100 Laminated plate-type acoustic metamaterials with Willis coupling effects for broadband low-frequency sound insulation. **2022**, 292, 115689 0
- 99 Modelling and Experimental Analysis of Noise Transmission through Wall of a Railway Vehicle. **2017**, 19, 60-67 3

- 98 Dynamic permeability in porous media and identification of pore fluids by using borehole Stoneley wave. **2022**, 19, 336-345
- 97 Enhancing nonwoven fabric material sound absorption using embedded labyrinthine rigid structures. **2022**, 195, 108852
- 96 Natural fibre-based protective textiles for noise reduction applications. **2022**, 445-468
- 95 Modeling and Controlling Acoustic Performance of Heterogeneous Materials Made of Recycled Foams.
- 94 Morphological analysis of porosity and sound absorption in sustainable materials from rice husk. 1351010X2210036
- 93 Condensed finite element scheme for symmetric multi-layer structures including dilatational motion. **2022**, 117105
- 92 Acoustical simulation of pneumatic mufflers hybridized with metal sintered bronze porous material, a spiral tube, and expansion cones. 1351010X2211033 1
- 91 Ultralight Single-Walled Carbon Nanotube Aerogels for Low-Frequency Sound Absorption.
- 90 A microstructure-based model of transport parameters and sound absorption for woven fabrics. **2022**, 109607 0
- 89 Numerical Analysis of Poro-Serrated Trailing-Edge Noise. **2022**, 0
- 88 Semi-analytical model of noise transmission through finite length cylinder with poroelastic core using Biot's and Shell theories. **2022**, 535, 117102 0
- 87 Non-acoustic parameter estimation for multilayer system with porous material by genetic algorithm. **2022**, 14, 100469 0
- 86 Onset of nonlinearity in oscillatory flow through a hexagonal sphere pack. *Journal of Fluid Mechanics*, **2022**, 944, 3-7
- 85 Inertial-Amplified Mechanical Resonators for the Mitigation of Ultralow-Frequency Vibrations. **2022**, 18, 1
- 84 A novel model for macroscopic simulation of oscillating heat and fluid flow in porous media. **2022**, 181, 107758
- 83 Improvement of current codes in design of concrete frame buildings: Incorporating train-induced structure borne noise. **2022**, 104955 1
- 82 High-frequency permeability of porous media with thin constrictions. II. Porous media containing thin holed membranes. **2022**, 34, 077120
- 81 The exploration of transmission property by using the circular-interface types of porous acoustic metamaterials. **2022**, 107558 2

- 80 High-frequency permeability of porous media with thin constrictions. I. Wedge-shaped porous media. **2022**, 34, 077119
- 79 Acoustical optimization of mufflers hybridized with spiral perforated tubes using finite element method, Artificial Neural Network, and Genetic Algorithm. 1351010X2211099 1
- 78 Waste Durian Husk Fibers as Natural Sound Absorber: Performance and Acoustic Characterization. **2022**, 12, 1112 0
- 77 Time domain numerical modeling of wave propagation in poroelastic media with Chebyshev rational approximation of the fractional attenuation.
- 76 Sound absorption of two-dimensional rough tube porous materials.
- 75 Taking advantage of a 3D printing imperfection in the development of sound-absorbing materials. **2022**, 197, 108941 1
- 74 Modelling and simulation of borehole seismoelectric response with an impermeable wall. **2022**, 152, 765-775
- 73 Universal Frequency-Dependent Permeability of Heterogeneous Porous Media: Effective Medium Approximation and Critical-Path Analysis.
- 72 Constraints on hydraulic properties from free pressure oscillations recorded during pumping operations in boreholes.
- 71 Effects of urea-formaldehyde and polyvinyl acetate adhesive on sound absorption coefficient and sound transmission loss of palmyra palm fruit fiber composites. **2022**, 198, 108984
- 70 Tunable acoustic composite metasurface based porous material for broadband sound absorption. **2022**, 298, 116014 1
- 69 Energy flow analysis of poroelastic media. **2022**, 538, 117236
- 68 An Extremal Problem Arising in the Dynamics of Two-Phase Materials That Directly Reveals Information about the Internal Geometry. 0
- 67 Heuristic Approaches Based on Modified Three-Parameter Model for Inverse Acoustic Characterisation of Sintered Metal Fibre Materials. **2022**, 10, 3264 0
- 66 Investigation of engineering models for sound propagation in a near-shore environment. **2022**, 199, 108991 0
- 65 Electromagnetic field generated by acoustic wave scattering at a poroelastic inclusion located in a fluid. **2022**, 181, 103766 0
- 64 Sound absorption of a perforated panel backed with perforated porous material: Energy dissipation of Helmholtz resonator cavity. **2023**, 185, 109762 2
- 63 Biot theory for porous media. **2022**, 329-511 0

- 62 Bibliography. **2022**, 729-761 o
- 61 On Applications of Herglotz-Neuman Functions in Material Sciences, II: Extended Applications and Generalized Theory. **2022**, 461-499 o
- 60 Static airflow resistivity association law of a multilayer rigid porous material. o
- 59 Uncertainty analysis of acoustic and non-acoustic parameters derived from four-microphone impedance tube measurements. **2022**, 198, 109002 o
- 58 Design of Replicated Open-Pore Aluminium Cellular Materials with a Non-Stochastic Structure for Sound Absorption Applications. o
- 57 Dynamic Mitigation Mechanisms of Rime Icing with Propagating Surface Acoustic Waves. **2022**, 38, 11314-11328 o
- 56 Transient Propagation of Longitudinal and Transverse Waves in Cancellous Bone: Application of Biot Theory and Fractional Calculus. **2022**, 14, 1971 o
- 55 A model for sound propagation through corrugated porous structures with mean flow. 1-47 o
- 54 Optimization of Screw Mufflers Equipped with Two Inlets and One Outlet Using Neural Network Model, Finite Element Method, and Genetic Algorithm. **2022**, 2022, 1-11 o
- 53 Hierarchical wave-mode separation in poroelastic medium using eigenform analysis. 1-50 o
- 52 Broadband and low-frequency sound absorption of modified Helmholtz resonator combined with porous layer addition. **2022**, 132, 135114 o
- 51 Effect of particle size on sound absorption behavior of granular aerogel agglomerates. **2022**, 598, 121942 o
- 50 Accelerating boundary element methods in wideband frequency sweep analysis by matrix-free model order reduction. **2022**, 541, 117323 o
- 49 Effect of thermal aging on the transport and acoustic properties of partially reticulated polyurethane foams. **2022**, 152, 2369-2381 o
- 48 Monochromatic Wave of Fluid Pressure in a Porous Rock. o
- 47 Low frequency acoustic method to measure the complex density of porous materials. **2022**, 152, 2220-2226 o
- 46 Time-domain poroelastic full-waveform inversion of shallow seismic data: methodology and sensitivity analysis. o
- 45 Modeling the Frequency-Dependent Effective Excess Charge Density in Partially Saturated Porous Media. **2022**, 127, o

- 44 On the Relationship of the Acoustic Properties and the Microscale Geometry of Generic Porous Absorbers. **2022**, 12, 11066 ○
- 43 Stochastic multiscale simulation of porous sound absorbing materials based on a Bayesian approach method. **2022**, ○
- 42 Análise numérica e experimental da medição da impedância acústica e absorção sonora utilizando a técnica in situ com dois microfones. **2017**, 32, ○
- 41 A practical procedure for vehicle sound package design using statistical energy analysis. 095440702211318 ○
- 40 Optimization of pneumatic mufflers hybridized with metal sintered bronze porous material, expansion cone, and extended tube. 095745652211396 ○
- 39 Nearly perfectly matched layer implementation for time domain spectral element modelling of wave propagation in 3D heterogeneous and anisotropic porous media. **2022**, 104870 ○
- 38 Acoustic Properties of Aerogels: Current Status and Prospects. ○
- 37 Deep learning-based prediction and interpretability of physical phenomena for metaporous materials. **2023**, 30, 100946 ○
- 36 Wire mesh stack and regenerator model for thermoacoustic devices. **2023**, 221, 119816 ○
- 35 Simultaneous parametric estimation of shape and impedance of a scattering surface using a multi-frequency fast indirect boundary element method. **2023**, 547, 117494 ○
- 34 The acoustic properties of coir coconut fiber. **2022**, 359-372 ○
- 33 Numerical study to investigate the viscous characteristic length on reconstructed porous media. **2022**, ○
- 32 Realizing the perfect sound absorption and broadening effective band using porous material and micro-perforated plate. ○
- 31 Theoretical and experimental study on sound absorption performance of Al₂O₃-polyurethane foam and microperforated plate composite structure. 146134842211480 ○
- 30 An investigation on the modelling of a finite porous liner for the sound propagation in a rectangular duct. 107754632211477 ○
- 29 A Generalization of Poiseuille's Law for the Flow of a Self-Similar (Fractal) Fluid through a Tube Having a Fractal Rough Surface. **2023**, 7, 61 ○
- 28 Multi-domain acoustic topology optimization based on the BESO approach: applications on the design of multi-phase material mufflers. **2023**, 66, ○
- 27 Natural composite as alternative material for sound absorbing application. **2022**, ○

26	Optimization and modeling of the sound absorption behavior of polyurethane composite foams reinforced with kenaf fiber. 2023 , 202, 109176	o
25	Acoustic characterization of nanofibers for optimization with porous substrate. 2023 , 153, 40-49	o
24	Sound absorption model of foam glass-ceramics based on microstructure. 2023 , 604, 122136	o
23	Acoustical properties of compressed earth blocks: Effect of compaction pressure, water hyacinth ash and lime. 2023 , 18, e01828	o
22	Prediction of the sound absorption performance of porous samples including cellulose fiber-based structures. 2023 , 379-401	o
21	Evaluations of corrugated macro-structure porous heat sinks for the combined heat dissipation and noise reduction performance. 2023 , 187, 108157	o
20	Application of Non-contact Methods to Control the Technological Parameters of Textile Materials in the Production Process. 2023 , 125-165	o
19	Characterization of sustainable building materials obtained from textile waste: From laboratory prototypes to real-world manufacturing processes. 2023 , 390, 136098	1
18	Surface-Wave Anelasticity in Porous Media: Effects of Wave-Induced Mesoscopic Flow.	o
17	Broadband and low-frequency sound absorption by a slit-perforated multi-layered porous metamaterial. 2023 , 281, 115743	o
16	Multilayer structures for high-intensity sound energy absorption in low-frequency range. 2023 , 247, 108197	o
15	Generic and broadband non-linear time domain impedance boundary condition. 2023 , 554, 117691	o
14	Effects of surface acoustic waves on droplet impact dynamics. 2023 , 641, 499-509	o
13	Kompozitinių blokų popieriaus gamybos dumblo akustinių savybių tyrimai ir garso absorberio kūrimas.	o
12	Potential of an electric field generated during the scattering of an elastic wave on a fluid-filled vug in a porous rock. 2023 , 210, 104942	o
11	References. 2022 , 435-477	o
10	Hybrid acoustic materials through assembly of tubes and microchannels: design and experimental investigation.	o
9	Scattering of an Acoustic Wave on a Porous Rigid Sphere Containing an Electrolyte in the Pores. 2023 , 147, 331-344	o

- 8 A spectral element time domain (SETD) method based on poroelastic linear slip conditions for 3D wave propagation in fractured porous media. 1-26 ○
- 7 Dynamic Relative Permeabilities for Partially Saturated Porous Media Accounting for Viscous Coupling Effects: An Analytical Solution. **2023**, 147, 653-677 ○
- 6 Optimization design of the sound absorbing structure of double-layer porous metal material with air layer based on genetic algorithm. **2023**, 153, 1943-1954 ○
- 5 Acoustical Characterization and Modeling of Sustainable Posidonia Fibers. **2023**, 13, 4562 ○
- 4 Sustainable Materials from Waste Paper: Thermal and Acoustical Characterization. **2023**, 13, 4710 ○
- 3 Adjustment of Micro-structure Parameters of Aggregated Structures for Dynamic Modeling of Silica Aerogels. **2023**, 1-11 ○
- 2 Dynamic Response Analysis of Orthotropic Saturated Subgrade-Pavement Slab. **2023**, 2023, 1-14 ○
- 1 Acoustic signature of impermeable barriers in porous media. **2023**, 234, 2095-2113 ○