

Boris Gurevich

List of Publications by Year in descending order

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322
papers

6,962
citations

66343

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328
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328
docs citations

328
times ranked

2085
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic wave attenuation and dispersion resulting from wave-induced flow in porous rocks – A review. <i>Geophysics</i> , 2010, 75, 75A147-75A164.	2.6	704
2	A simple model for squirt-flow dispersion and attenuation in fluid-saturated granular rocks. <i>Geophysics</i> , 2010, 75, N109-N120.	2.6	260
3	Velocity and attenuation of elastic waves in finely layered porous rocks. <i>Geophysical Journal International</i> , 1995, 121, 933-947.	2.4	225
4	Elastic properties of saturated porous rocks with aligned fractures. <i>Journal of Applied Geophysics</i> , 2003, 54, 203-218.	2.1	166
5	A model for P-wave attenuation and dispersion in a porous medium permeated by aligned fractures. <i>Geophysical Journal International</i> , 2005, 163, 372-384.	2.4	157
6	P-wave dispersion and attenuation in fractured and porous reservoirs – poroelasticity approach. <i>Geophysical Prospecting</i> , 2009, 57, 225-237.	1.9	142
7	Wave-induced fluid flow in random porous media: Attenuation and dispersion of elastic waves. <i>Journal of the Acoustical Society of America</i> , 2005, 117, 2732-2741.	1.1	121
8	Interface conditions for Biot's equations of poroelasticity. <i>Journal of the Acoustical Society of America</i> , 1999, 105, 2585-2589.	1.1	118
9	Prediction of sonic velocities in shale from porosity and clay fraction obtained from logs – A North Sea well case study. <i>Geophysics</i> , 2015, 80, D1-D10.	2.6	106
10	One-dimensional random patchy saturation model for velocity and attenuation in porous rocks. <i>Geophysics</i> , 2004, 69, 1166-1172.	2.6	97
11	Comparative review of theoretical models for elastic wave attenuation and dispersion in partially saturated rocks. <i>Soil Dynamics and Earthquake Engineering</i> , 2006, 26, 548-565.	3.8	95
12	Ultrasonic moduli for fluid-saturated rocks: Mavko-Jizba relations rederived and generalized. <i>Geophysics</i> , 2009, 74, N25-N30.	2.6	90
13	Seismic attenuation in finely layered porous rocks: Effects of fluid flow and scattering. <i>Geophysics</i> , 1997, 62, 319-324.	2.6	89
14	Dynamic poroelasticity of thinly layered structures. <i>International Journal of Solids and Structures</i> , 1998, 35, 4739-4751.	2.7	88
15	Seismic attenuation in porous rocks with random patchy saturation. <i>Geophysical Prospecting</i> , 2007, 55, 671-678.	1.9	84
16	Direct laboratory observation of patchy saturation and its effects on ultrasonic velocities. <i>The Leading Edge</i> , 2009, 28, 24-27.	0.7	83
17	A simple derivation of the effective stress coefficient for seismic velocities in porous rocks. <i>Geophysics</i> , 2004, 69, 393-397.	2.6	82
18	A generalized Biot-Gassmann model for the acoustic properties of shaley sandstones1. <i>Geophysical Prospecting</i> , 2000, 48, 539-557.	1.9	77

#	ARTICLE	IF	CITATIONS
19	Seismic dispersion and attenuation in saturated porous rocks with aligned fractures of finite thickness: Theory and numerical simulations – Part 1: P-wave perpendicular to the fracture plane. Geophysics, 2018, 83, WA49-WA62.	2.6	77
20	Differential form and numerical implementation of Biot's poroelasticity equations with squirt dissipation. Geophysics, 2011, 76, N55-N64.	2.6	74
21	Fluid substitution in shaley sediment using effective porosity. Geophysics, 2007, 72, O1-O8.	2.6	67
22	A first-order statistical smoothing approximation for the coherent wave field in random porous media. Journal of the Acoustical Society of America, 2005, 117, 1796-1805.	1.1	66
23	Effect of CT image size and resolution on the accuracy of rock property estimates. Journal of Geophysical Research: Solid Earth, 2017, 122, 3635-3647.	3.4	65
24	Characteristic frequencies of seismic attenuation due to wave-induced fluid flow in fractured porous media. Geophysical Journal International, 2006, 166, 574-578.	2.4	64
25	An analytic model for the stress-induced anisotropy of dry rocks. Geophysics, 2011, 76, WA125-WA133.	2.6	62
26	Angular and Frequency-Dependent Wave Velocity and Attenuation in Fractured Porous Media. Pure and Applied Geophysics, 2013, 170, 1673-1683.	1.9	61
27	A laboratory study of low-frequency wave dispersion and attenuation in water-saturated sandstones. The Leading Edge, 2014, 33, 616-622.	0.7	58
28	A semi-empirical velocity-porosity-clay model for petrophysical interpretation of P- and S-wave velocities. Geophysical Prospecting, 1998, 46, 271-285.	1.9	55
29	Effective properties of a poroelastic medium containing a distribution of aligned cracks. Journal of Geophysical Research, 2009, 114, .	3.3	55
30	Scattering of a longitudinal wave by a circular crack in a fluid-saturated porous medium. International Journal of Solids and Structures, 2007, 44, 7389-7398.	2.7	53
31	Effects of fracture intersections on seismic dispersion: theoretical predictions versus numerical simulations. Geophysical Prospecting, 2017, 65, 1264-1276.	1.9	53
32	Title is missing!. Transport in Porous Media, 1999, 36, 149-160.	2.6	52
33	Frequency-dependent anisotropy of porous rocks with aligned fractures. Geophysical Prospecting, 2015, 63, 141-150.	1.9	52
34	Liquid nitrogen fracturing efficiency as a function of coal rank: A multi-scale tomographic study. Journal of Natural Gas Science and Engineering, 2021, 95, 104177.	4.4	52
35	Effect of fracture fill on seismic attenuation and dispersion in fractured porous rocks. Geophysical Journal International, 2013, 195, 1679-1688.	2.4	51
36	4D surface seismic tracks small supercritical CO2 injection into the subsurface: CO2CRC Otway Project. International Journal of Greenhouse Gas Control, 2017, 63, 150-157.	4.6	51

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37	Scattering of a compressional wave in a poroelastic medium by an ellipsoidal inclusion. <i>Geophysical Journal International</i> , 1998, 133, 91-103.	2.4	49
38	Application of multifocusing method for subsurface imaging. <i>Journal of Applied Geophysics</i> , 1999, 42, 283-300.	2.1	49
39	Quantifying the effect of capillarity on attenuation and dispersion in patchy-saturated rocks. <i>Geophysics</i> , 2014, 79, WB35-WB50.	2.6	47
40	Time-lapse sonic logs reveal patchy CO ₂ saturation in-situ. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	46
41	Dynamic permeability of porous rocks and its seismic signatures. <i>Geophysics</i> , 2007, 72, E149-E158.	2.6	45
42	Computational elastic upscaling of sandstone on the basis of X-ray microtomographic images. <i>Geophysical Prospecting</i> , 2013, 61, 287-301.	1.9	44
43	Seismic dispersion and attenuation in saturated porous rocks with aligned fractures of finite thickness: Theory and numerical simulations – Part 2: Frequency-dependent anisotropy. <i>Geophysics</i> , 2018, 83, WA63-WA71.	2.6	44
44	Finite-difference modeling of wave propagation on microscale: A snapshot of the work in progress. <i>Geophysics</i> , 2007, 72, SM293-SM300.	2.6	43
45	Parameterization of elastic stress sensitivity in shales. <i>Geophysics</i> , 2011, 76, WA147-WA155.	2.6	43
46	Simple expressions for normal-incidence reflection coefficients from an interface between fluid-saturated porous materials. <i>Geophysics</i> , 2004, 69, 1372-1377.	2.6	42
47	Statistical characterization of gas-patch distributions in partially saturated rocks. <i>Geophysics</i> , 2009, 74, WA51-WA64.	2.6	41
48	Effect of fluid viscosity on elastic wave attenuation in porous rocks. <i>Geophysics</i> , 2002, 67, 264-270.	2.6	40
49	Modeling elastic wave velocities and attenuation in rocks saturated with heavy oil. <i>Geophysics</i> , 2008, 73, E115-E122.	2.6	40
50	Fluid substitution in rocks saturated with viscoelastic fluids. <i>Geophysics</i> , 2010, 75, E115-E122.	2.6	40
51	An experimental study of acoustic responses on the injection of supercritical CO ₂ into sandstones from the Otway Basin. <i>Geophysics</i> , 2013, 78, D293-D306.	2.6	40
52	Validation of the laboratory measurements at seismic frequencies using the Kramers-Kronig relationship. <i>Geophysical Research Letters</i> , 2016, 43, 4986-4991.	4.0	40
53	Laboratory measurements of the effect of fluid saturation on elastic properties of carbonates at seismic frequencies. <i>Geophysical Prospecting</i> , 2016, 64, 799-809.	1.9	39
54	P-wave dispersion and attenuation due to scattering by aligned fluid saturated fractures with finite thickness: theory and experiment. <i>Geophysical Journal International</i> , 2018, 215, 2114-2133.	2.4	39

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55	Elastic full-waveform inversion of vertical seismic profile data acquired with distributed acoustic sensors. <i>Geophysics</i> , 2018, 83, R273-R281.	2.6	36
56	Seismic Dispersion and Attenuation in Saturated Porous Rock With Aligned Slit Cracks. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 6890-6910.	3.4	36
57	Attenuation and dispersion of P-waves in porous rocks with planar fractures: Comparison of theory and numerical simulations. <i>Geophysics</i> , 2006, 71, N41-N45.	2.6	34
58	Seismic monitoring of CO ₂ geosequestration: CO ₂ CRC Otway case study using full 4D FDTD approach. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 201-216.	4.6	34
59	Measurements of the elastic and anelastic properties of sandstone flooded with supercritical CO ₂ . <i>Geophysical Prospecting</i> , 2014, 62, 1266-1277.	1.9	33
60	The CO ₂ CRC Otway Project deployment of a Distributed Acoustic Sensing Network Coupled with Permanent Rotary Sources. , 2016, , .		33
61	Modeling of wave dispersion along cylindrical structures using the spectral method. <i>Journal of the Acoustical Society of America</i> , 2008, 124, 859-865.	1.1	32
62	Modeling elastic anisotropy resulting from the application of triaxial stress. <i>Geophysics</i> , 2014, 79, C135-C145.	2.6	32
63	Influence of microheterogeneity on effective stress law for elastic properties of rocks. <i>Geophysics</i> , 2008, 73, E7-E14.	2.6	31
64	Effect of fracture fill on frequency-dependent anisotropy of fractured porous rocks. <i>Geophysical Prospecting</i> , 2017, 65, 1649-1661.	1.9	31
65	Interaction of an elastic wave with a circular crack in a fluid-saturated porous medium. <i>Applied Physics Letters</i> , 2006, 88, 061918.	3.3	30
66	Stress-dependent elastic properties of shales: Measurement and modeling. <i>The Leading Edge</i> , 2008, 27, 772-779.	0.7	30
67	Surface orbital vibrator (SOV) and fiber-optic DAS: Field demonstration of economical, continuous-land seismic time-lapse monitoring from the Australian CO ₂ CRC Otway site. , 2016, , .		30
68	Sorption-induced Deformation and Elastic Weakening of Bentheim Sandstone. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8589-8601.	3.4	29
69	Experimental verification of spherical-wave effect on the AVO response and implications for three-term inversion. <i>Geophysics</i> , 2008, 73, C7-C12.	2.6	28
70	Green's functions and radiation patterns in poroelastic solids revisited. <i>Geophysical Journal International</i> , 2009, 178, 327-337.	2.4	28
71	Applicability of velocity-stress relationships based on the dual porosity concept to isotropic porous rocks. <i>Geophysical Journal International</i> , 2010, , .	2.4	28
72	Forced imbibition into a limestone: measuring P-wave velocity and water saturation dependence on injection rate. <i>Geophysical Prospecting</i> , 2014, 62, 1126-1142.	1.9	28

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73	How frequency dependency of Q affects spectral ratio estimates. <i>Geophysics</i> , 2015, 80, A39-A44.	2.6	28
74	Time-lapse full waveform inversion of vertical seismic profile data: Workflow and application to the CO2CRC Otway project. <i>Geophysical Research Letters</i> , 2017, 44, 7211-7218.	4.0	28
75	Effective hydraulic conductivity and diffusivity of randomly heterogeneous porous solids with compressible constituents. <i>Applied Physics Letters</i> , 2006, 88, 121924.	3.3	27
76	Finite element modelling of the effective elastic properties of partially saturated rocks. <i>Computers and Geosciences</i> , 2008, 34, 647-657.	4.2	27
77	Frequency dependence of anisotropy in fluid saturated rocks – Part I: aligned cracks case. <i>Geophysical Prospecting</i> , 2016, 64, 1067-1084.	1.9	27
78	Gassmann Theory Applies to Nanoporous Media. <i>Geophysical Research Letters</i> , 2018, 45, 146-155.	4.0	27
79	Modeling squirt dispersion and attenuation in fluid-saturated rocks using pressure dependency of dry ultrasonic velocities. <i>Geophysics</i> , 2012, 77, WA157-WA168.	2.6	26
80	Frequency-dependent attenuation and dispersion caused by squirt flow: Three-dimensional numerical study. <i>Geophysics</i> , 2020, 85, MR129-MR145.	2.6	26
81	Multifocusing imaging over an irregular topography. <i>Geophysics</i> , 2002, 67, 639-643.	2.6	24
82	3D diffraction imaging of linear features and its application to seismic monitoring. <i>Geophysical Prospecting</i> , 2013, 61, 1206-1217.	1.9	24
83	Feasibility of CO ₂ plume detection using 4D seismic: CO2CRC Otway Project case study – Part 1: Rock-physics modeling. <i>Geophysics</i> , 2015, 80, B95-B104.	2.6	24
84	Burying receivers for improved time-lapse seismic repeatability: CO2CRC Otway field experiment. <i>Geophysical Prospecting</i> , 2015, 63, 55-69.	1.9	24
85	On: “Wave Propagation in heterogeneous, porous media: A velocity-stress, finite difference method,” by N. Dai, A. Vafidis, and E. R. Kanasevich (March-April 1995 <i>GEOPHYSICS</i> , p. 327-340).. <i>Geophysics</i> , 1996, 61, 1230-1231.	2.6	23
86	Spectral-method algorithm for modeling dispersion of acoustic modes in elastic cylindrical structures. <i>Geophysics</i> , 2010, 75, H19-H27.	2.6	23
87	Analysis of fluid substitution in a porous and fractured medium. <i>Geophysics</i> , 2011, 76, WA157-WA166.	2.6	23
88	Elastic anisotropy estimation from laboratory measurements of velocity and polarization of quasi-P-waves using laser interferometry. <i>Geophysics</i> , 2011, 76, WA83-WA89.	2.6	23
89	Validating Subsurface Monitoring as an Alternative Option to Surface M&V - The CO2CRC's Otway Stage 3 Injection. <i>Energy Procedia</i> , 2017, 114, 3374-3384.	1.8	23
90	Modeling the Effect of Pressure on the Moduli Dispersion in Fluid-Saturated Rocks. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019297.	3.4	23

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91	An automated system for continuous monitoring of CO ₂ geosequestration using multi-well offset VSP with permanent seismic sources and receivers: Stage 3 of the CO ₂ CRC Otway Project. International Journal of Greenhouse Gas Control, 2021, 108, 103317.	4.6	23
92	Are penny-shaped cracks a good model for compliant porosity?. , 2009, , .		22
93	Estimation of azimuthal anisotropy from VSP data using multicomponent S-wave velocity analysis. Geophysics, 2011, 76, D1-D9.	2.6	22
94	Arithmetic Coding and Entropy for the Positive Geodesic Flow on the Modular Surface. Moscow Mathematical Journal, 2001, 1, 569-582.	0.4	22
95	Amplitude of Biot's slow wave scattered by a spherical inclusion in a fluid-saturated poroelastic medium. Geophysical Journal International, 2005, 160, 991-1005.	2.4	21
96	Effect of asperities on stress dependency of elastic properties of cracked rocks. International Journal of Engineering Science, 2016, 98, 116-125.	5.0	21
97	Pore scale numerical modeling of elastic wave dispersion and attenuation in periodic systems of alternating solid and viscous fluid layers. Journal of the Acoustical Society of America, 2006, 120, 642-648.	1.1	20
98	A dual-porosity scheme for fluid/solid substitution. Geophysical Prospecting, 2016, 64, 1112-1121.	1.9	20
99	How well can time-lapse seismic characterize a small CO ₂ leakage into a saline aquifer: CO ₂ CRC Otway 2C experiment (Victoria, Australia). International Journal of Greenhouse Gas Control, 2020, 92, 102854.	4.6	20
100	Repeat well logging using earthquake wave amplitudes measured by distributed acoustic sensors. The Leading Edge, 2020, 39, 513-517.	0.7	20
101	Fluid substitution, dispersion, and attenuation in fractured and porous reservoirs—insights from new rock physics models. The Leading Edge, 2007, 26, 1162-1168.	0.7	19
102	A Laboratory Study of the Elastic and Anelastic Properties of the Sandstone Flooded with Supercritical CO ₂ at Seismic Frequencies. Energy Procedia, 2014, 63, 4289-4296.	1.8	19
103	Feasibility of CO ₂ plume detection using 4D seismic: CO ₂ CRC Otway Project case study — Part 2: Detectability analysis. Geophysics, 2015, 80, B105-B114.	2.6	19
104	Dynamic seismic signatures of saturated porous rocks containing two orthogonal sets of fractures: theory versus numerical simulations. Geophysical Journal International, 2018, 213, 1244-1262.	2.4	19
105	Fluid reservoir (?) beneath the KTB drillbit indicated by seismic shear-wave observations. Geophysical Research Letters, 1993, 20, 923-926.	4.0	18
106	Gassmann Modeling of Acoustic Properties of Sand-clay Mixtures. , 2000, 157, 811-827.		18
107	Seismic attenuation due to wave-induced fluid flow in a porous rock with spherical heterogeneities. Geophysical Journal International, 2006, 165, 957-968.	2.4	18
108	Experimental and theoretical rock physics research with application to reservoirs, seals and fluid processes. Journal of Petroleum Science and Engineering, 2007, 57, 16-36.	4.2	18

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109	Water retention effects on elastic properties of Opalinus shale. Geophysical Prospecting, 2019, 67, 984-996.	1.9	18
110	A laboratory study of attenuation and dispersion effects in glycerol-saturated Berea sandstone at seismic frequencies. , 2015, , .		17
111	Combined Effects of Pressure and Water Saturation on the Seismic Anisotropy in Artificial Porous Sandstone With Aligned Fractures. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019091.	3.4	17
112	Frequency-Dependent P Wave Anisotropy Due to Wave-Induced Fluid Flow and Elastic Scattering in a Fluid-Saturated Porous Medium With Aligned Fractures. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020320.	3.4	17
113	Effects of Coupling Between Wave-Induced Fluid Flow and Elastic Scattering on P -Wave Dispersion and Attenuation in Rocks With Aligned Fractures. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018685.	3.4	17
114	Seismic monitoring of a small CO ₂ injection using a multi-well DAS array: Operations and initial results of Stage 3 of the CO ₂ CRC Otway project. International Journal of Greenhouse Gas Control, 2021, 110, 103437.	4.6	17
115	Feasibility of Time-lapse Seismic Methodology for Monitoring the Injection of Small Quantities of CO ₂ into a Saline Formation, CO ₂ CRC Otway Project. Energy Procedia, 2013, 37, 4336-4343.	1.8	16
116	Effect of micro-inhomogeneity on the effective stress coefficients and undrained bulk modulus of a poroelastic medium: a double spherical shell model. Geophysical Prospecting, 2015, 63, 656-668.	1.9	15
117	Estimation of rock frame weakening using time-lapse crosswell: The Frio brine pilot project. Geophysics, 2016, 81, B235-B245.	2.6	15
118	Semi-analytical solution to the problem of frequency dependent anisotropy of porous media with an aligned set of slit cracks. International Journal of Engineering Science, 2020, 147, 103209.	5.0	15
119	A low-frequency laboratory apparatus for measuring elastic and anelastic properties of rocks. , 2011, , .		14
120	Fluid dependence of anisotropy parameters in weakly anisotropic porous media. Geophysics, 2013, 78, WC137-WC145.	2.6	14
121	Design and deployment of a buried geophone array for CO ₂ geosequestration monitoring: CO ₂ CRC Otway Project, Stage 2C. , 2015, , .		14
122	Linking the pressure dependency of elastic and electrical properties of porous rocks by a dual porosity model. Geophysical Journal International, 2016, 205, 378-388.	2.4	14
123	Stage 2C of the CO ₂ CRC Otway Project: Seismic Monitoring Operations and Preliminary Results. Energy Procedia, 2017, 114, 3997-4007.	1.8	14
124	Elastic properties of confined fluids from molecular modeling to ultrasonic experiments on porous solids. Applied Physics Reviews, 2021, 8, .	11.3	14
125	Subsurface Imaging Using Buried DAS and Geophone Arrays - Preliminary Results from CO ₂ CRC Otway Project. , 2016, , .		14
126	Investigation of core data reliability to support time-lapse interpretation in Campos Basin, Brazil. Geophysics, 2008, 73, E59-E65.	2.6	13

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127	Analytical wavefront curvature correction to plane-wave reflection coefficients for a weak-contrast interface. Geophysical Prospecting, 2013, 61, 53-62.	1.9	13
128	Reliability of the slowness and slowness-polarization methods for anisotropy estimation in VTI media from 3C walkaway VSP data. Geophysics, 2013, 78, WC93-WC102.	2.6	13
129	Application of diffracted wave analysis to time-lapse seismic data for CO ₂ leakage detection. Geophysical Prospecting, 2014, 62, 197-209.	1.9	13
130	Squirt flow influence on sonic log parameters. Geophysical Journal International, 2014, 196, 1082-1091.	2.4	13
131	How rough sea affects marine seismic data and deghosting procedures. Geophysical Prospecting, 2018, 66, 3-12.	1.9	13
132	Squirt-flow seismic dispersion models: a comparison. Geophysical Journal International, 2020, 222, 2068-2082.	2.4	13
133	A method for obtaining evolution equations for nonlinear waves in a random medium. Wave Motion, 1993, 17, 287-295.	2.0	12
134	Frequency-Dependent Seismic Anisotropy of Porous Rocks with Penny-Shaped Cracks. Exploration Geophysics, 2004, 35, 111-115.	1.1	12
135	Fluid-dependent shear-wave splitting in a poroelastic medium with conjugate fracture sets. Geophysical Prospecting, 2007, 55, 333-343.	1.9	12
136	Modeling of axisymmetric wave modes in a poroelastic cylinder using spectral method. Journal of the Acoustical Society of America, 2008, 124, EL230-EL235.	1.1	12
137	Tube wave signatures in cylindrically layered poroelastic media computed with spectral method. Geophysical Journal International, 2010, 183, 1005-1013.	2.4	12
138	Seismic dispersion and attenuation in Mancos shale – laboratory measurements. Geophysical Prospecting, 2021, 69, 568-585.	1.9	12
139	Low-frequency shear wave propagation in periodic systems of alternating solid and viscous fluid layers. Journal of the Acoustical Society of America, 1999, 106, 57-60.	1.1	11
140	Testing Gassmann fluid substitution: sonic logs versus ultrasonic core measurements. Geophysical Prospecting, 2009, 57, 75-79.	1.9	11
141	ROCK PHYSICS – APPLICATION TO GEOLOGICAL STORAGE OF CO ₂ . APPEA Journal, 2003, 43, 567.	0.2	11
142	Multifocusing imaging with controlled reflection-point dispersal. Geophysics, 2002, 67, 1586-1592.	2.6	10
143	Modelling elastic anisotropy of dry rocks as a function of applied stress. Geophysical Prospecting, 2013, 61, 391-403.	1.9	10
144	Electrical formation factor of clean sand from laboratory measurements and digital rock physics. Solid Earth, 2019, 10, 1505-1517.	2.8	10

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145	On the Normal-Incidence Reflection Coefficient in Porous Media. <i>Surveys in Geophysics</i> , 2021, 42, 923-942.	4.6	10
146	Seismic Attenuation from VSP and Well Log Data: Approaches, Problems and Relative Contribution of Scattering. , 2013, , .		10
147	Downhole Distributed Acoustic Sensing Provides Insights Into the Structure of Short-Period Ocean-Generated Seismic Wavefield. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021463.	3.4	10
148	Shear wave dispersion and attenuation in periodic systems of alternating solid and viscous fluid layers. <i>International Journal of Solids and Structures</i> , 2006, 43, 7673-7683.	2.7	9
149	Comparison of the low-frequency predictions of Biot's and de Boer's poroelasticity theories with Gassmann's equation. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	9
150	Attenuation of Seismic Waves Due to Wave-Induced Flow and Scattering in Randomly Heterogeneous Poroelastic Continua. <i>Advances in Geophysics</i> , 2008, , 123-166.	2.8	9
151	Temperature-dependent poroelastic and viscoelastic effects on microscale-modelling of seismic reflections in heavy oil reservoirs. <i>Geophysical Journal International</i> , 2009, 176, 822-832.	2.4	9
152	Frequency-dependent effective hydraulic conductivity of strongly heterogeneous media. <i>Physical Review E</i> , 2013, 88, 042119.	2.1	9
153	A triple porosity scheme for fluid/solid substitution: theory and experiment. <i>Geophysical Prospecting</i> , 2019, 67, 888-899.	1.9	9
154	Active surface and borehole seismic monitoring of a small supercritical CO ₂ injection into the subsurface: experience from the CO ₂ CRC Otway Project. , 2020, , 497-522.		9
155	Interference pattern as a means of fault detection. <i>The Leading Edge</i> , 1998, 17, 752-757.	0.7	9
156	Seismic Wave Attenuation and Dispersion in Patchy-Saturated Rocks - Numerical Experiments. , 2006, , .		9
157	The Born approximation in the problem of elastic wave scattering by a spherical inhomogeneity in a fluid-saturated porous medium. <i>Applied Physics Letters</i> , 1992, 61, 1275-1277.	3.3	8
158	Experimental Laboratory Study on the Acoustic Response of Sandstones During Injection of Supercritical CO ₂ on CRC2 Sample from Otway Basin Australia. <i>Energy Procedia</i> , 2013, 37, 4106-4113.	1.8	8
159	Modeling shear wave splitting due to stress-induced anisotropy, with an application to Mount Asama Volcano, Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4269-4286.	3.4	8
160	Case History : Using time-lapse vertical seismic profiling data to constrain velocity-saturation relations: the Frio brine pilot CO ₂ injection. <i>Geophysical Prospecting</i> , 2016, 64, 987-1000.	1.9	8
161	Rock-physics models for heavy-oil and organic-solid substitution. <i>The Leading Edge</i> , 2016, 35, 506-510.	0.7	8
162	Effect of grain-scale gas patches on the seismic properties of double porosity rocks. <i>Geophysical Journal International</i> , 2017, 208, 432-436.	2.4	8

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163	4D surface seismic monitoring the evolution of a small CO ₂ plume during and after injection: CO ₂ CRC Otway Project study. Exploration Geophysics, 2020, 51, 570-580.	1.1	8
164	Reflection and transmission of seismic waves at the boundaries of porous media. Wave Motion, 1993, 18, 303-304.	2.0	7
165	Sedimentary cyclicity from X-ray CT images in Campos Basin, offshore Brazil. The Leading Edge, 2010, 29, 808-813.	0.7	7
166	Frequency dependence of anisotropy in fluid saturated rocks – Part II: Stress-induced anisotropy case. Geophysical Prospecting, 2016, 64, 1085-1097.	1.9	7
167	Optimal bounds for attenuation of elastic waves in porous fluid-saturated media. Journal of the Acoustical Society of America, 2017, 142, 3321-3329.	1.1	7
168	Viscoelastic modeling of rocks saturated with heavy oil. , 2007, , .		7
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