

Pressure Dependence of Sound Propagation in the Prim

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effects of Pressure on Ultrasonic Relaxation in Liquids. Journal of Chemical Physics, 1957, 26, 465-468.	3.0	17
2	Sound absorption in relation to free volume of liquids. Nuovo Cimento, 1958, 9, 545-546.	1.0	2
3	Bulk Viscosity of Liquids. Journal of Applied Physics, 1958, 29, 810-816.	2.5	248
4	Ultrasonic Absorption Due to Chemical Relaxation in Electrolytes. Reviews of Modern Physics, 1959, 31, 1052-1071.	45.6	8
5	Ultrasonic Absorption Due to Chemical Relaxation in Electrolytes. Reviews of Modern Physics, 1959, 31, 1052-1068.	45.6	5
6	Structural and Shear Relaxation in Liquids. Physical Acoustics, 1965, , 281-349.	0.0	72
7	3.2.11 Sound absorption in alcohols (associating liquids). , 0, , 189-192.		0
8	Pressure dependence of the speed of sound in liquids. Soviet Physics Journal (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overloc	0.0	7
9	Ultrasonic Attenuation In Liquid Metals. Physical Review, 1968, 174, 309-313.	2.7	12
10	Thermodynamic Properties and the Velocity of Sound. , 1968, , 527-577.		7
11	Volume viscosity and structure of methanol at elevated pressures using ultrasonics. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÀ Italiana Di Fisica, 1971, 2, 829-831.	0.4	2
12	Ultrasonic Study of Structural Relaxation in Ethanol. Physical Review A, 1971, 4, 1299-1302.	2.5	10
13	Structural Absorption of Ultrasonic Waves in Methanol. Physical Review A, 1971, 3, 390-393.	2.5	18
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15	Structural Absorption of Ultrasonic Waves in Associated Liquids. Physical Review A, 1972, 5, 918-923.	2.5	6
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18	The structural component of acoustic absorption in liquids. Human Development, 1972, 4, 87-137.	0.8	2

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19	The application of ultrasound absorption to reaction kinetics. <i>Coordination Chemistry Reviews</i> , 1973, 11, 189-226.	18.8	23
20	Ultrasonic Absorption in Higher Alcohols at Elevated Pressures. <i>Journal of the Physical Society of Japan</i> , 1973, 34, 172-175.	1.6	2
21	Thermodynamic Properties and the Velocity of Sound. , 1975, , 527-577.		22
22	Ultracentrifugal studies of the isothermal compressibilities of organic alcohols and alkanes. Correlation with surface tension. <i>Journal of Chemical Thermodynamics</i> , 1976, 8, 179-188.	2.0	75
23	Compressional moduli for liquid diphenyl hexachloride. <i>Journal of Chemical Physics</i> , 1977, 66, 5159-5166.	3.0	0
24	Ultrasonic studies of molecular relaxation in pure alcohols. <i>Advances in Molecular Relaxation and Interaction Processes</i> , 1978, 12, 47-64.	0.5	16
25	Modified gr ^{1/4} neisen and anderson-gr ^{1/4} neisen relations for quasispherical molecular liquids. <i>Pramana - Journal of Physics</i> , 1983, 20, 91-103.	1.8	4
26	Thermodynamic properties of normal propyl alcohol at atmospheric pressure. <i>Journal of Engineering Physics</i> , 1983, 45, 1044-1049.	0.0	1
27	Molecular compressibility of molten alkali halides. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 96, 133-136.	2.1	21
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30	Ultrasonic Attenuation in Liquid Metals. <i>Physica Status Solidi (B): Basic Research</i> , 1984, 125, 505-512.	1.5	2
31	Thermodynamic parameters of butan-1-ol at atmospheric pressure. <i>Journal of Engineering Physics</i> , 1984, 46, 399-405.	0.0	2
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33	Coefficient of volume expansion and thermoacoustic parameters in certain alkoxy benzylidene butylanilines " IB. <i>Crystal Research and Technology</i> , 1990, 25, 471-477.	1.3	3
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35	Thermo-acoustical Parameters of Some Semiconductors. <i>Crystal Research and Technology</i> , 1993, 28, 729-735.	1.3	6
36	Thermoacoustical parameters of polymers at low temperatures. <i>Journal of Applied Polymer Science</i> , 1994, 51, 1805-1815.	2.6	7

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37	Relationship between molecular constant, Gr ^{1/4} neisen and nonlinearity parameters and intermolecular volume expansivity of liquids using thermo-acoustic data. <i>Physica Status Solidi A</i> , 1995, 149, 567-574.	1.7	4
38	An equation of state and non-linear parameter from sound velocity measurements for liquid alkali metals. <i>Pramana - Journal of Physics</i> , 1999, 52, 321-332.	1.8	5
39	Crossover SAFT Equation of State and Thermodynamic Properties of Propan-1-ol. <i>International Journal of Thermophysics</i> , 2000, 21, 1373-1405.	2.1	37
40	High pressure angle-dispersive Brillouin spectroscopy: A technique for determining acoustic velocities and attenuations in liquids and solids. <i>Review of Scientific Instruments</i> , 2002, 73, 1235-1241.	1.3	13
41	A Fundamental Equation for Calculation of the Thermodynamic Properties of Ethanol. <i>International Journal of Thermophysics</i> , 2004, 25, 321-335.	2.1	121
42	On the behaviour of thermo-acoustic parameters in different liquids. <i>Journal of Molecular Liquids</i> , 2006, 126, 9-13.	4.9	12
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44	Immunoglobulin Dynamics, Conformational Fluctuations, and Nonlinear Elasticity and Their Effects on Stability. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3240-3250.	2.6	35
45	Acoustical study of molecular interactions in polymer solutions through various thermodynamical parameters and Flory's theory at 298.15â€‰K. <i>Physics and Chemistry of Liquids</i> , 2010, 48, 682-697.	1.2	17
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49	The Process of Distal Attribution Illuminated Through Studies of Sensory Substitution. <i>Multisensory Research</i> , 2014, 27, 421-441.	1.1	21
50	A Fundamental Equation of State for Ethanol. <i>Journal of Physical and Chemical Reference Data</i> , 2014, 43, .	4.2	55
51	Fundamental multiparameter and association equation of state for ethanol. <i>Fluid Phase Equilibria</i> , 2017, 452, 74-93.	2.5	4
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56	Speed of sound for ethanol in vicinity of the critical point from Rayleigh-Brillouin light scattering spectroscopy. Fluid Phase Equilibria, 2020, 515, 112585.	2.5	3
57	Speeds of Sound in Methanol at Temperatures from 233.33 to 353.21 K at Pressures up to 20 MPa. International Journal of Thermophysics, 2021, 42, 1.	2.1	1
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63	Prediction of the speed of sound in ionic liquids as a function of pressure. Journal of Molecular Liquids, 2022, 363, 119792.	4.9	0
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