

Christ Glorieux

List of Publications by Year in descending order

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275
papers

5,490
citations

101543

36
h-index

133252

59
g-index

291
all docs

291
docs citations

291
times ranked

4659
citing authors

#	ARTICLE	IF	CITATIONS
1	Task-Specific Ionic Liquid for Solubilizing Metal Oxides. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20978-20992.	2.6	412
2	Nanoparticle-induced widening of the temperature range of liquid-crystalline blue phases. <i>Physical Review E</i> , 2010, 81, 041703.	2.1	195
3	Temperature dependence of the electrical conductivity of imidazolium ionic liquids. <i>Journal of Chemical Physics</i> , 2008, 128, 064509.	3.0	169
4	Photopyroelectric measurement of thermal conductivity of metallic powders. <i>Journal of Applied Physics</i> , 2005, 97, 024905.	2.5	118
5	Laser ultrasonic study of Lamb waves: determination of the thickness and velocities of a thin plate. <i>International Journal of Engineering Science</i> , 2003, 41, 219-228.	5.0	114
6	Temperature-Driven Mixing-Demixing Behavior of Binary Mixtures of the Ionic Liquid Choline Bis(trifluoromethylsulfonyl)imide and Water. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1429-1437.	2.6	102
7	Determination of the order parameter and its critical exponent for CB (n=5-8) liquid crystals from refractive index data. <i>Liquid Crystals</i> , 2004, 31, 229-240.	2.2	95
8	Nematic-nematic phase transition in the liquid crystal dimer CBC9CB and its mixtures with 5CB: A high-resolution adiabatic scanning calorimetric study. <i>Physical Review E</i> , 2011, 84, 041707.	2.1	91
9	Absolute values of specific heat capacity and thermal conductivity of liquids from different modes of operation of a simple photopyroelectric setup. <i>Review of Scientific Instruments</i> , 1998, 69, 2452-2458.	1.3	80
10	Tuning of thermal properties of sodium acetate trihydrate by blending with polymer and silver nanoparticles. <i>Applied Thermal Engineering</i> , 2014, 62, 838-844.	6.0	77
11	On the character of acoustic waves at the interface between hard and soft solids and liquids. <i>Journal of the Acoustical Society of America</i> , 2001, 110, 1299-1306.	1.1	75
12	Theory of Scholte, leaky Rayleigh, and lateral wave excitation via the laser-induced thermoelastic effect. <i>Journal of the Acoustical Society of America</i> , 1996, 100, 1514-1528.	1.1	71
13	Green synthesis method of silver nanoparticles using starch as capping agent applied the methodology of surface response. <i>Starch/Staerke</i> , 2013, 65, 814-821.	2.1	69
14	Photoacoustic investigation of the thermal properties of layered materials: Calculation of the forward signal and numerical inversion procedure. <i>Journal of Applied Physics</i> , 1993, 73, 684-690.	2.5	65
15	Weakly first-order character of the nematic-isotropic phase transition in liquid crystals. <i>Physical Review E</i> , 2005, 72, 041702.	2.1	64
16	Influence of the anion on the electrical conductivity and glass formation of 1-butyl-3-methylimidazolium ionic liquids. <i>Journal of Chemical Physics</i> , 2010, 133, 034503.	3.0	64
17	Determination of the viscous characteristic length in air-filled porous materials by ultrasonic attenuation measurements. <i>Journal of the Acoustical Society of America</i> , 1996, 99, 1944-1948.	1.1	63
18	Different modulated structures of topological defects stabilized by adaptive targeting nanoparticles. <i>Soft Matter</i> , 2013, 9, 3956.	2.7	59

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19	Lamb mode conversion in a plate with a delamination. <i>Journal of the Acoustical Society of America</i> , 2004, 116, 2089-2100.	1.1	56
20	Investigation of contact acoustic nonlinearity in delaminations by shearographic imaging, laser doppler vibrometric scanning and finite difference modeling. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010, 57, 1383-1395.	3.0	55
21	Light extinction in metallic powder beds: Correlation with powder structure. <i>Journal of Applied Physics</i> , 2005, 98, 013533.	2.5	53
22	Investigations of phase transitions in liquid crystals by means of adiabatic scanning calorimetry. <i>Liquid Crystals</i> , 2009, 36, 669-684.	2.2	53
23	Surface acoustic wave depth profiling of elastically inhomogeneous materials. <i>Journal of Applied Physics</i> , 2000, 88, 4394.	2.5	52
24	Influence of nanosized confinements on 4-n-decyl-4'-cyanobiphenyl (10CB): A broadband dielectric study. <i>Physical Review E</i> , 2005, 71, 051709.	2.1	46
25	Photothermal depth profiling: analysis of reconstruction errors. <i>Inverse Problems</i> , 1999, 15, 1149-1163.	2.0	45
26	Thermal, structural, and orientational relaxation of supercooled salol studied by polarization-dependent impulsive stimulated scattering. <i>Journal of Chemical Physics</i> , 2002, 116, 3384-3395.	3.0	45
27	Dielectric spectroscopy of aerosil-dispersed liquid crystal embedded in Anopore membranes. <i>Physical Review E</i> , 2005, 72, 051710.	2.1	44
28	Laser-induced thermoelastic excitation of Scholte waves. <i>Applied Physics Letters</i> , 1996, 68, 2939-2941.	3.3	43
29	Importance of Gluten and Starch for Structural and Textural Properties of Crumb from Fresh and Stored Bread. <i>Food Biophysics</i> , 2012, 7, 173-181.	3.0	43
30	Effect of nonmesogenic impurities on the liquid crystalline phase transitions of octylcyanobiphenyl. <i>Physical Review E</i> , 2007, 76, 051702.	2.1	42
31	Blue phase III widening in CE6-dispersed surface-functionalised CdSe nanoparticles. <i>Liquid Crystals</i> , 2010, 37, 1419-1426.	2.2	41
32	Phase transitions in lipid vesicles detected by a complementary set of methods: heat transfer measurements, adiabatic scanning calorimetry, and dissipation mode quartz crystal microbalance. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1377-1388.	1.8	41
33	Homogeneous liquid-liquid extraction of metal ions with non-fluorinated bis(2-ethylhexyl)phosphate ionic liquids having a lower critical solution temperature in combination with water. <i>Chemical Communications</i> , 2015, 51, 14183-14186.	4.1	41
34	Effects of magnetic nanoparticles with different surface coating on the phase transitions of octylcyanobiphenyl liquid crystal. <i>Physical Review E</i> , 2009, 79, 011702.	2.1	40
35	Enhancement of cavitation activity and particle removal with pulsed high frequency ultrasound and supersaturation. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 69-76.	8.2	40
36	Depth profiling of thermally inhomogeneous materials by neural network recognition of photothermal time domain data. <i>Journal of Applied Physics</i> , 1999, 85, 7059-7063.	2.5	38

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37	Photoacoustic investigation of the temperature and magnetic-field dependence of the specific-heat capacity and thermal conductivity near the Curie point of gadolinium. <i>Physical Review B</i> , 1995, 52, 12770-12778.	3.2	37
38	Temperature dependence of elastic properties in austenite and martensite of Ni-Mn-Ga epitaxial films. <i>Acta Materialia</i> , 2018, 145, 298-305.	7.9	37
39	Nonlinear bulk and surface shear acoustic waves in materials with hysteresis and end-point memory. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 232, 77-86.	2.1	35
40	Towards an understanding and control of cavitation activity in 1 MHz ultrasound fields. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 77-88.	8.2	35
41	Thermal depth profile reconstruction by neural network recognition of the photothermal frequency spectrum. <i>Journal of Applied Physics</i> , 1996, 80, 6510-6515.	2.5	34
42	All-optical excitation and detection of leaky Rayleigh waves. <i>Optics Letters</i> , 1997, 22, 69.	3.3	34
43	CdSe/ZnS quantum dot fluorescence spectra shape-based thermometry via neural network reconstruction. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	33
44	Sound absorption of face-centered cubic sandwich structure with micro-perforations. <i>Materials and Design</i> , 2020, 186, 108344.	7.0	33
45	Accessing temperature waves: A dispersion relation perspective. <i>International Journal of Heat and Mass Transfer</i> , 2019, 143, 118553.	4.8	32
46	Effect of Nonmesogenic Impurities on the Order of the Nematic to Smectic-A Phase Transition in Liquid Crystals. <i>Physical Review Letters</i> , 2006, 97, 107801.	7.8	31
47	Optical wavelength dependence of photoacoustic signal of gold nanofluid. <i>Photoacoustics</i> , 2020, 20, 100199.	7.8	31
48	High accuracy, self-calibrating photopyroelectric device for the absolute determination of thermal conductivity and thermal effusivity of liquids. <i>Review of Scientific Instruments</i> , 2009, 80, 054904.	1.3	30
49	Wideband fluorescence-based thermometry by neural network recognition: Photothermal application with 10 ⁶ ns time resolution. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	30
50	Broadband dielectric spectroscopy study of molecular dynamics in the glass-forming liquid crystal isopentylcyanobiphenyl dispersed with aerosils. <i>Physical Review E</i> , 2004, 69, 031707.	2.1	29
51	Molecular Chaperone Hsp90 as a Target for Oxidant-Based Anticancer Therapies. <i>Current Medicinal Chemistry</i> , 2011, 18, 2816-2825.	2.4	29
52	Perceived Loudness of Neighbour Sounds Heard Through Heavy and Light-Weight Walls with Equal w + C. <i>Acta Acustica United With Acustica</i> , 2016, 102, 58-66.	0.8	29
53	Development of the front-detection photopyroelectric (FPPE) configuration for thermophysical study of glass-forming liquids. <i>Thermochimica Acta</i> , 2001, 377, 105-112.	2.7	28
54	Current mode versus voltage mode measurement of signals from pyroelectric sensors. <i>Review of Scientific Instruments</i> , 2003, 74, 648-650.	1.3	28

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55	Laser induced surface modes at water-elastic and poroelastic solid interfaces. Journal of Applied Physics, 2004, 95, 528-535.	2.5	28
56	Investigation of the phase velocities of guided acoustic waves in soft porous layers. Journal of the Acoustical Society of America, 2005, 117, 545-554.	1.1	28
57	Critical behaviour at the isotropic-nematic and nematic-smectic A phase transitions of 4-butylphenoxyphenyl 4-decyloxybenzoate liquid crystal from refractive index data. Liquid Crystals, 2007, 34, 611-620.	2.2	28
58	Nonlinear modulation of Lamb modes by clapping delamination. Journal of the Acoustical Society of America, 2008, 124, 3397-3409.	1.1	28
59	Measurements of Heat Capacity and Enthalpy of Phase Change Materials by Adiabatic Scanning Calorimetry. International Journal of Thermophysics, 2011, 32, 913-924.	2.1	28
60	Determination of elastic properties of a MnO ₂ coating by surface acoustic wave velocity dispersion analysis. Journal of Applied Physics, 2014, 116, .	2.5	28
61	Ultrasonic wave propagation in reticulated foams saturated by different gases: High frequency limit of the classical models. Applied Physics Letters, 1996, 69, 2641-2643.	3.3	27
62	The determination of electrical conductivity profiles using neural network inversion of multi-frequency eddy-current data. Journal Physics D: Applied Physics, 1999, 32, 616-622.	2.8	27
63	Phase Transitions of Binary Lipid Mixtures: A Combined Study by Adiabatic Scanning Calorimetry and Quartz Crystal Microbalance with Dissipation Monitoring. Advances in Condensed Matter Physics, 2015, 2015, 1-14.	1.1	27
64	Thermal diffusivity measurements in solids by photothermal infrared radiometry: Influence of convection-radiation heat losses. International Journal of Thermal Sciences, 2015, 98, 202-207.	4.9	27
65	Broadband dielectric studies of weakly polar and non-polar liquid crystals. Liquid Crystals, 2004, 31, 31-38.	2.2	26
66	High-resolution calorimetric study of a liquid crystalline organo-siloxane tetrapode with a biaxial nematic phase. Physical Review E, 2008, 78, 011708.	2.1	26
67	The critical behavior of the refractive index near liquid-liquid critical points. Journal of Chemical Physics, 2012, 136, 144502.	3.0	26
68	Fluorescence spectra shape based dynamic thermometry. Applied Physics Letters, 2014, 104, .	3.3	26
69	Photoacoustic and photopyroelectric approach to calorimetric studies. Thermochimica Acta, 1997, 304-305, 137-150.	2.7	25
70	Investigation of the microstructure of cast iron by laser ultrasonic surface wave spectroscopy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 313, 170-179.	5.6	25
71	Optothermal depth profiling by neural network infrared radiometry signal recognition. Journal of Applied Physics, 2005, 97, 014701.	2.5	25
72	Determining radiated sound power of building structures by means of laser Doppler vibrometry. Journal of Sound and Vibration, 2015, 346, 81-99.	3.9	25

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73	Determination of thermoelastic material properties by differential heterodyne detection of impulsive stimulated thermal scattering. <i>Photoacoustics</i> , 2015, 3, 64-77.	7.8	25
74	Photoacoustic temperature imaging based on multi-wavelength excitation. <i>Photoacoustics</i> , 2019, 13, 33-45.	7.8	25
75	Investigation of the dispersion relations of surface acoustic waves propagating on a layered cylinder. <i>Journal of the Acoustical Society of America</i> , 1996, 99, 926-930.	1.1	24
76	Thermal conductivity, thermal effusivity, and specific heat capacity near the lower critical point of the binary liquid mixture n-butyl alcohol-water. <i>Journal of Chemical Physics</i> , 2004, 121, 1866-1872.	3.0	24
77	Shear properties of glycerol by interface wave laser ultrasonics. <i>Journal of Applied Physics</i> , 2006, 99, 013511.	2.5	24
78	High-resolution calorimetric study of the phase transitions of tridecylcyanobiphenyl and tetradecylcyanobiphenyl liquid crystals. <i>Phase Transitions</i> , 2009, 82, 280-289.	1.3	24
79	Laser-based surface acoustic wave dispersion spectroscopy for extraction of thicknesses, depth, and elastic parameters of a subsurface layer: Feasibility study on intermetallic layer structure in integrated circuit solder joint. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	24
80	A new calorimetric technique for phase change materials and its application to alkane-based PCMs. <i>Materials for Renewable and Sustainable Energy</i> , 2016, 5, 1.	3.6	24
81	Photopyroelectric ac calorimetric study of the nematic-smectic-A phase-transition line in binary liquid crystal mixtures with injected smectic-A phases. <i>Physical Review E</i> , 2002, 65, 031704.	2.1	23
82	Order of phase transitions and tricriticality in mixtures of octyloxycyanobiphenyl and nonyloxycyanobiphenyl liquid crystals: A high-resolution study by adiabatic scanning calorimetry. <i>Physical Review E</i> , 2010, 82, 031707.	2.1	23
83	Evaluation and interpretation of bubble size distributions in pulsed megasonic fields. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	23
84	Investigation of the melting behavior of the reference materials biphenyl and phenyl salicylate by a new type adiabatic scanning calorimeter. <i>Thermochimica Acta</i> , 2014, 582, 68-76.	2.7	22
85	Oriented Crystallization of Amorphous Se Induced by Linearly Polarized Light. <i>Physica Status Solidi A</i> , 1997, 162, R1-R2.	1.7	21
86	Broadband photopyroelectric thermal spectroscopy of a supercooled liquid near the glass transition. <i>Journal of Applied Physics</i> , 2003, 93, 9610-9614.	2.5	21
87	Laser-induced surface modes at an air-porous medium interface. <i>Journal of Applied Physics</i> , 2003, 93, 1298-1304.	2.5	21
88	Surface acoustic wave depth profiling of a functionally graded material. <i>Journal of Applied Physics</i> , 2007, 102, 053508.	2.5	21
89	Study of circumferential waves and their interaction with defects on cylindrical shells using line-source laser ultrasonics. <i>Journal of Applied Physics</i> , 2002, 91, 6114-6119.	2.5	20
90	Thermal relaxation of glycerol and propylene glycol studied by photothermal spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 120, 3726-3731.	3.0	20

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91	Time-resolved monitoring of cavitation activity in megasonic cleaning systems. Review of Scientific Instruments, 2012, 83, 034904.	1.3	20
92	How reproducible are methods to measure the dynamic viscoelastic properties of poroelastic media?. Journal of Sound and Vibration, 2018, 428, 26-43.	3.9	20
93	Photoacoustic depth profiling of the thermal conductivity of an inhomogeneously aligned liquid crystal at a free surface. Journal of Applied Physics, 1995, 78, 3096-3101.	2.5	19
94	Normal-directional and normal-hemispherical reflectances of micron- and submicron-sized powder beds at 633 and 790nm. Journal of Applied Physics, 2006, 99, 113528.	2.5	19
95	Application of a novel type of adiabatic scanning calorimeter for high-resolution thermal data near the melting point of gallium. Journal of Thermal Analysis and Calorimetry, 2014, 117, 173-187.	3.6	19
96	Assessment of sound insulation of naturally ventilated double skin facades. Building and Environment, 2016, 110, 148-160.	6.9	19
97	Photoacoustic characterization of liquid crystal phase transitions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 122, 87-91.	5.6	18
98	Surface acoustic wave characterization of a thin, rough polymer film. Thin Solid Films, 2009, 517, 2697-2701.	1.8	18
99	Determination of elastic and thermal properties of a thin nanocrystalline diamond coating using all-optical methods. Thin Solid Films, 2015, 590, 284-292.	1.8	18
100	Guided elastic waves in porous materials saturated by air under Lamb conditions. Journal of Applied Physics, 2005, 97, 094911.	2.5	17
101	Lamb mode conversion in an absorptive bi-layer with a delamination. Journal of the Acoustical Society of America, 2005, 118, 2253-2264.	1.1	17
102	Sound transmission loss of laminated composite sandwich structures with pyramidal truss cores. Composite Structures, 2019, 220, 19-30.	5.8	17
103	Effect of Porosity on Thermal Conductivity of Al ₂ Si ₂ Fe ₂ X Alloy Powder Compacts. International Journal of Thermophysics, 2004, 25, 1611-1622.	2.1	16
104	Photopyroelectric thermal wave setup for the absolute measurement of the thermal conductivity of low density gases. Review of Scientific Instruments, 2000, 71, 3506-3512.	1.3	15
105	Acoustic waves at interfaces studied by laser ultrasonics (invited). Review of Scientific Instruments, 2003, 74, 465-469.	1.3	15
106	Phase mask based interferometer: Operation principle, performance, and application to thermoelastic phenomena. Review of Scientific Instruments, 2004, 75, 2906-2920.	1.3	15
107	Static and dynamic thermal quantities near the consolute point of the binary liquid mixture aniline-cyclohexane studied with a photopyroelectric technique and adiabatic scanning calorimetry. Journal of Chemical Physics, 2005, 122, 024504.	3.0	15
108	Effect of loading a plate with different liquids on the propagation of lamb-like waves studied by laser ultrasonics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 675-685.	3.0	15

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109	Electrical conductivity and glass formation in nitrile-functionalized pyrrolidinium bis(trifluoromethylsulfonyl)imide ionic liquids: chain length and odd-even effects of the alkyl spacer between the pyrrolidinium ring and the nitrile group. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10548.	2.8	15
110	New acoustic detection technique for a magnetocaloric effect. <i>Thermochimica Acta</i> , 1993, 218, 123-133.	2.7	14
111	Magnetic phase transition of gadolinium studied by acoustically detected magnetocaloric effect. <i>Journal of Applied Physics</i> , 1996, 80, 3412-3421.	2.5	14
112	Anisotropic laser crystallization of a-Se. <i>Journal of Non-Crystalline Solids</i> , 1998, 227-230, 732-738.	3.1	14
113	Experimental investigation of leaky Lamb modes by an optically induced grating. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2002, 49, 1245-1253.	3.0	14
114	A Green's function method for surface acoustic waves in functionally graded materials. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 3437.	1.1	14
115	Temperature, concentration, and frequency dependence of the dielectric constant near the critical point of the binary liquid mixture nitrobenzene-tetradecane. <i>Journal of Chemical Physics</i> , 2010, 132, 104508.	3.0	14
116	Texture in steel plates revealed by laser ultrasonic surface acoustic waves velocity dispersion analysis. <i>Ultrasonics</i> , 2017, 78, 30-39.	3.9	14
117	The melting behaviour of water and water-sodium chloride solutions studied by high-resolution Peltier-element-based adiabatic scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 1727-1739.	3.6	14
118	Systematic study of pretransitional orientational order at the free surface of nCB liquid crystals (n=5-12) in the isotropic phase. <i>Liquid Crystals</i> , 1997, 23, 709-715.	2.2	13
119	Weakly polar liquid crystal dispersed with hydrophobic and hydrophilic aerosols: a broadband dielectric study. <i>Liquid Crystals</i> , 2004, 31, 1123-1129.	2.2	13
120	Thermotropic phase behaviour of the pseudobinary mixtures of DPPC/C12E5 and DMPC/C12E5 determined by differential scanning calorimetry and ultrasonic velocimetry. <i>Chemistry and Physics of Lipids</i> , 2006, 139, 54-67.	3.2	13
121	Thermal characterization of anisotropic media in photothermal point, line, and grating configuration. <i>Journal of Applied Physics</i> , 2006, 100, 063521.	2.5	13
122	Confinement effects on strongly polar alkylcyanobiphenyl liquid crystals probed by dielectric spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 244111.	1.8	13
123	Nonlinear clapping modulation of lamb modes by normally closed delamination. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010, 57, 1426-1433.	3.0	13
124	Measurement-based determination of the irrotational part of the structural intensity by means of test functional series expansion. <i>Journal of Sound and Vibration</i> , 2015, 356, 168-180.	3.9	13
125	Integrated adiabatic scanning calorimetry, light transmission and imaging analysis of collagen deterioration in parchment. <i>Thermochimica Acta</i> , 2019, 676, 263-270.	2.7	13
126	Visualization of ultrasonic wave field by stroboscopic polarization selective imaging. <i>Optics Express</i> , 2020, 28, 27096.	3.4	13

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127	All-optical investigation of the lowest-order antisymmetrical acoustic modes in liquid-loaded membranes. <i>Journal of the Acoustical Society of America</i> , 1998, 103, 618-621.	1.1	12
128	Characterization of pyroelectric detectors between 170 and 300 K using the photopyroelectric technique. <i>Review of Scientific Instruments</i> , 2003, 74, 811-813.	1.3	12
129	Full-field imaging of nonclassical acoustic nonlinearity. <i>Applied Physics Letters</i> , 2007, 91, 264102.	3.3	12
130	Large heat capacity anomaly near the consolute point of the binary mixture nitromethane and 3-pentanol. <i>Journal of Chemical Physics</i> , 2011, 134, 044505.	3.0	12
131	Importance of Bubble Size Control in Ultrasonic Surface Cleaning by Pulsed High-Frequency Sound Fields. <i>ECS Journal of Solid State Science and Technology</i> , 2014, 3, N3032-N3040.	1.8	12
132	Repeatability and Reproducibility of <i>In Situ</i> Measurements of Sound Reflection and Airborne Sound Insulation Index of Noise Barriers. <i>Acta Acustica United With Acustica</i> , 2014, 100, 1186-1201.	0.8	12
133	Assessment of the airborne sound insulation from mobility vibration measurements; a hybrid experimental numerical approach. <i>Journal of Sound and Vibration</i> , 2018, 432, 680-698.	3.9	12
134	Light-Addressable Nanocomposite Hydrogels Allow Plasmonic Actuation and In Situ Temperature Monitoring in 3D Cell Matrices. <i>Advanced Functional Materials</i> , 2022, 32, 2108234.	14.9	12
135	The Yang- Yang anomaly in liquid-liquid criticality: Experimental evidence from adiabatic scanning calorimetry. <i>Chemical Physics Letters</i> , 2012, 523, 69-73.	2.6	11
136	Imaging of transient surface acoustic waves by full-field photorefractive interferometry. <i>Review of Scientific Instruments</i> , 2015, 86, 053107.	1.3	11
137	Influence of panel fastening on the acoustic performance of light-weight building elements: Study by sound transmission and laser scanning vibrometry. <i>Journal of Sound and Vibration</i> , 2015, 346, 100-116.	3.9	11
138	Study of Thermal and Structural Properties of Starch Granules from Different Maize Genotypes. <i>Food Biophysics</i> , 2015, 10, 19-24.	3.0	11
139	Analysis of rotator phase transitions in the linear alkanes hexacosane to triacontane by adiabatic scanning calorimetry and by photopyroelectric calorimetry. <i>Journal of Chemical Physics</i> , 2018, 148, .	3.0	11
140	Assessment of short-term exposure to an ultrasonic rodent repellent device. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 2501-2510.	1.1	11
141	Investigation of Elastic Properties of CVD-Diamond Films Using the Lowest Order Flexural Leaky Lamb Wave. <i>Physica Status Solidi A</i> , 1999, 172, 105-111.	1.7	10
142	Nonlinearity of acoustic waves at solid-liquid interfaces. <i>Journal of the Acoustical Society of America</i> , 2002, 111, 95-103.	1.1	10
143	Interaction of lamb modes with delaminations in plates coated by highly absorbing materials. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007, 54, 368-377.	3.0	10
144	Accelerated dielectric relaxation in the isotropic phase of associating liquid crystals dispersed with aerosils. <i>Physical Review E</i> , 2008, 77, 061707.	2.1	10

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145	Study of Thermophysical Properties of Silver Nanofluids by ISS-HD, Hot Ball and IPPE Techniques. International Journal of Thermophysics, 2015, 36, 3211-3221.	2.1	10
146	Thermophysical properties of thin fibers via photothermal quantum dot fluorescence spectral shape-based thermometry. International Journal of Heat and Mass Transfer, 2017, 112, 1090-1097.	4.8	10
147	Localization of a virtual wall by means of active echolocation by untrained sighted persons. Applied Acoustics, 2018, 139, 82-92.	3.3	10
148	Supersonic radiative transport of electron-hole plasma in semiconductors at room temperature studied by laser ultrasonics. Optics Communications, 1997, 143, 19-24.	2.1	9
149	Interaction of Lamb modes with an inclusion. Ultrasonics, 2013, 53, 130-140.	3.9	9
150	Investigation of Synthetic Spider Silk Crystallinity and Alignment via Electrothermal, Pyroelectric, Literature XRD, and Tensile Techniques. Macromolecular Materials and Engineering, 2017, 302, 1600480.	3.6	9
151	Investigation of titanium nitride coating by broadband laser ultrasonic spectroscopy. Chinese Physics B, 2002, 11, 132-138.	1.3	8
152	Dielectric pretransitional effects in the isotropic phase of chiral liquid crystals. Liquid Crystals, 2007, 34, 749-759.	2.2	8
153	The critical behavior of the dielectric constant in the polar + polar binary liquid mixture nitromethane + 3-pentanol: An unusual sign of its critical amplitude in the one-phase region. Journal of Chemical Physics, 2011, 135, 024508.	3.0	8
154	Thermoelastic Model for Impulsive Stimulated Scattering Monitoring the Evolution from Capillary to Rayleigh Type Wave Propagation on the Surface of Viscoelastic Materials Throughout the Glass Transition. International Journal of Thermophysics, 2012, 33, 2145-2158.	2.1	8
155	Evidence from adiabatic scanning calorimetry for the Halperin-Lubensky-Ma effect at the N-SmA phase transitions in mixtures of 7OCB+heptane with an injected SmA phase. European Physical Journal E, 2012, 35, 54.	1.6	8
156	High-resolution investigation by Peltier-element-based adiabatic scanning calorimetry of binary liquid crystal mixtures with enhanced nematic ranges. Journal of Molecular Liquids, 2021, 340, 117204.	4.9	8
157	Adiabatic scanning calorimetry investigation of the melting and order-disorder phase transitions in the linear alkanes heptadecane and nonadecane and some of their binary mixtures. Journal of Chemical Thermodynamics, 2021, 163, 106596.	2.0	8
158	Photoacoustic Thermal Characterisation of Liquid Crystals. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 191, 29-36.	0.3	7
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