

Alain Polian

List of Publications by Year in descending order

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280
papers

9,671
citations

44042

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49868

87
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289
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289
docs citations

289
times ranked

7638
citing authors

#	ARTICLE	IF	CITATIONS
1	Exceptional phonon point versus free phonon coupling in Zn _{1-x} B _x Te under pressure: an experimental and ab initio Raman study. <i>Scientific Reports</i> , 2022, 12, 753.	1.6	2
2	Brillouin scattering in aluminosilicate glasses and melts up to 2550 ÅK. Temperature and composition effects. <i>Journal of Non-Crystalline Solids: X</i> , 2022, 14, 100086.	0.5	0
3	Halogen molecular modifications at high pressure: the case of iodine. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3321-3326.	1.3	5
4	On the Stiffness of Gold at the Nanoscale. <i>ACS Nano</i> , 2021, 15, 19128-19137.	7.3	12
5	Mechanism of pressure induced amorphization of SnI ₄ : A combined x-ray diffraction-x-ray absorption spectroscopy study. <i>Journal of Chemical Physics</i> , 2020, 153, 064501.	1.2	1
6	Phonon-based partition of (ZnSe-like) semiconductor mixed crystals on approach to their pressure-induced structural transition. <i>Scientific Reports</i> , 2020, 10, 19803.	1.6	3
7	Crystal structure and magnetism of MnO under pressure. <i>Physical Review B</i> , 2020, 101, .	1.1	4
8	Recent progress in high pressure X-ray absorption spectroscopy studies at the ODE beamline. <i>High Pressure Research</i> , 2020, 40, 82-87.	0.4	4
9	Pressure-induced phase transitions in DL-glutamic acid monohydrate crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118059.	2.0	3
10	Epsilon iron as a spin-smectic state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20280-20285.	3.3	12
11	Multi-phonon (percolation) behavior and local clustering of Cd _{1-x} Zn _{1-x} Se-cubic mixed crystals (x=0.3): A Raman-ab initio study. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	5
12	Defect-induced ultimately fast volume phonon-polaritons in the wurtzite Zn _{0.74} Mg _{0.26} Se mixed crystal. <i>Scientific Reports</i> , 2019, 9, 7817.	1.6	2
13	Luminescence mechanochromism of copper iodide clusters: a rational investigation. <i>Dalton Transactions</i> , 2019, 48, 7899-7909.	1.6	45
14	XAS studies of pressure-induced structural and electronic transformations in γ -FeOOH. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 325401.	0.7	2
15	High pressure Raman scattering of DL-isoleucine crystals and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 207-215.	2.0	3
16	A thermodynamically consistent phase diagram of a trimorphic pharmaceutical, α -tyrosine ethyl ester, based on limited experimental data. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24074-24087.	1.3	2
17	Surface- and pressure-induced bulk Kondo breakdown in SmB_6 . <i>Physical Review B</i> , 2018, 97, .	1.3	18
18	Disorder-order phase transition at high pressure in ammonium fluoride. <i>Physical Review B</i> , 2017, 96, .	1.1	7

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19	Poroelastic Theory Applied to the Adsorption-Induced Deformation of Amorphous Silica. , 2017, , .		0
20	Pressure-induced phonon freezing in the ZnSeS IIâ€“VI mixed crystal: phononâ€™ polaritons and<i>ab initio</i> calculations. Journal of Physics Condensed Matter, 2016, 28, 205401.	0.7	6
21	Unveiling the electrochemical mechanisms of Li₂Fe(SO₄)₂ polymorphs by neutron diffraction and density functional theory calculations. Physical Chemistry Chemical Physics, 2016, 18, 14509-14519.	1.3	20
22	Polymorphism in Strontium Tungstate SrWO₄ under Quasi-Hydrostatic Compression. Inorganic Chemistry, 2016, 55, 10406-10414.	1.9	25
23	Combined X-ray absorption and X-ray diffraction under high pressure. High Pressure Research, 2016, 36, 479-492.	0.4	4
24	Synthesis of Bulk BC8 Silicon Allotrope by Direct Transformation and Reduced-Pressure Chemical Pathways. Inorganic Chemistry, 2016, 55, 8943-8950.	1.9	25
25	Polarized Raman spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>v</mml:mi><mml:mo>âˆ²</mml:mo><mml:msub><mml:mi>1.1</mml:mi></mml:msub></mml:math> SiO₂ under rare-gas compression. Physical Review B, 2016, 93, .	1.1	22
26	In-situ high-pressure Raman scattering studies in PbWO4 up to 48ÂˆGPa. Journal of Alloys and Compounds, 2016, 667, 36-43.	2.8	6
27	Raman spectroscopic study of DL valine under pressure up to 20ÂˆGPa. Journal of Molecular Structure, 2016, 1109, 220-225.	1.8	6
28	Phonon signature of the highâ€™pressure rocksalt phase of InN. Physica Status Solidi (B): Basic Research, 2015, 252, 2104-2110.	0.7	0
29	New pressure-induced phase transitions of l-threonine crystal: A Raman spectroscopic study. Journal of Molecular Structure, 2015, 1092, 160-165.	1.8	17
30	Raman spectroscopy of monohydrated l-asparagine up to 30GPa. Vibrational Spectroscopy, 2015, 77, 35-39.	1.2	21
31	Pressure Control of Cuprophilic Interactions in a Luminescent Mechanochromic Copper Cluster. Inorganic Chemistry, 2015, 54, 9821-9825.	1.9	57
32	Optical phonon modes in rhombohedral boron monosulfide under high pressure. Journal of Applied Physics, 2015, 117, .	1.1	13
33	Poroelastic Theory Applied to the Adsorption-Induced Deformation of Vitreous Silica. Journal of Physical Chemistry B, 2014, 118, 14519-14525.	1.2	27
34	High-Pressure Raman Scattering of CaWO₄ Up to 46.3 GPa: Evidence of a New High-Pressure Phase. Inorganic Chemistry, 2014, 53, 9729-9738.	1.9	29
35	Investigation of the phase diagram of selenium by means of Raman spectroscopy. High Pressure Research, 2013, 33, 35-39.	0.4	10
36	XRD and XAS structural study of CuAlO₂ under high pressure. Journal of Physics Condensed Matter, 2013, 25, 115406.	0.7	14

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55	High-pressure Raman spectra of racemate dl-alanine crystals. <i>Vibrational Spectroscopy</i> , 2010, 54, 107-111.	1.2	21
56	Combination of optical and X-ray techniques in the study of amorphous semiconductors under high pressure: an upgrade setup for combined XAS and XRD measurements. <i>High Pressure Research</i> , 2010, 30, 28-34.	0.4	10
57	Pressure cycling of InN to 20 GPa: In situ transport properties and amorphization. <i>Applied Physics Letters</i> , 2010, 97, 032105.	1.5	14
58	Experimental and theoretical investigation of the stability of the monoclinic $BaWO_4$ phase at high pressure and high temperature. <i>Physical Review B</i> , 2010, 81, .	1.4	19
59	High pressure x-ray diffraction and extended x-ray absorption fine structure studies on ternary alloy $Zn_{1-x}Be_xSe$. <i>Journal of Applied Physics</i> , 2010, 108, 083533.	1.1	19
60	Tuning of the stoichiometry of $Fe_{1-x}O$ by compression. <i>Physical Review B</i> , 2010, 81, .	1.1	19
61	Absence of abrupt pressure-induced magnetic transitions in magnetite. <i>Physical Review B</i> , 2010, 82, .	1.1	31
62	Bond length compressibility in hard ReB_2 investigated by x-ray absorption under high pressure. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 045701.	0.7	15
63	Raman spectroscopy of B_{12} . <i>Physical Review B</i> , 2010, 81, .	1.1	18
64	Boron and Boron-Rich Solids at High Pressures. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2010, , 241-249.	0.2	2
65	High-Pressure X-Ray Absorption Spectroscopy: Application to the Local Aspects of Phase Transitions in Ferroelectric Perovskites. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2010, , 51-67.	0.2	1
66	Pressure-induced phase transitions in amorphous and metastable crystalline germanium by Raman scattering, x-ray spectroscopy, and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2009, 80, .	1.1	42
67	Combining high pressure and coherent diffraction: a first feasibility test. <i>High Pressure Research</i> , 2009, 29, 635-638.	0.4	7
68	An EXAFS study of the structure of the $Zn_{1-x}Be_xSe$ alloy system. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012064.	0.3	5
69	The low frequency phonons dynamics in supercooled LiCl, 6H ₂ O. <i>Journal of Chemical Physics</i> , 2009, 131, 124504.	1.2	21
70	Magnetic and crystallographic characterization of Pt_3MnCr_{1-x} by XMCD and x-ray diffraction. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 346003.	0.7	3
71	Phase transitions in wolframite-type $CdWO_4$ high pressure studied by Raman spectroscopy and density-functional theory. <i>Physical Review B</i> , 2009, 79, .	1.1	64
72	Amorphous germanium under high-pressure conditions. <i>High Pressure Research</i> , 2009, 29, 103-107.	0.4	5

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73	High-pressure phase transformation of nanometric ZnSb prepared by mechanical alloying. Journal of Applied Physics, 2009, 106, 013509.	1.1	15
74	Pressure induced amorphisation and the amorphous-amorphous transition in nano-TiO ₂ : An X-ray Absorption Spectroscopy study.. , 2009, , .		2
75	New diamond anvil cell for optical and transport measurements under high magnetic fields up to 60ÅT. High Pressure Research, 2008, 28, 627-631.	0.4	6
76	Pressure-induced amorphization and a possible polyamorphism transition in nanosizedTiO ₂ : An x-ray absorption spectroscopy study. Physical Review B, 2008, 77, .	1.1	37
77	The pressure-induced phase transition of mechanically alloyed nanocrystalline GaSb. Journal of Physics Condensed Matter, 2008, 20, 275212.	0.7	1
78	Interplay between morphology and metallization in amorphous-amorphous transitions. Physical Review B, 2008, 78, .	1.1	31
79	Î±-boron at very high pressure: structural and vibrational properties. Journal of Physics: Conference Series, 2008, 121, 042017.	0.3	23
80	Extension to Low Energies (<7keV) of High Pressure X-Ray Absorption Spectroscopy. AIP Conference Proceedings, 2007, , .	0.3	5
81	High-Pressure Study of X-Ray Diffuse Scattering in Ferroelectric Perovskites. Physical Review Letters, 2007, 99, 117601.	2.9	49
82	Complete determination of the elastic moduli of Î±-quartz under hydrostatic pressure up to 1 GPa: an ultrasonic study. Journal of Physics Condensed Matter, 2007, 19, 436228.	0.7	46
83	Ti K Pre-Edge in SrTiO ₃ under Pressure: Experiments and Full-Potential First-Principles Calculations. AIP Conference Proceedings, 2007, , .	0.3	14
84	Tetrahedral versus octahedral Mn site coordination in wurtzite and rocksalt Zn _{1-\hat{x}} Mn _{\hat{x}} O investigated by means of XAS experiments under high pressure. Superlattices and Microstructures, 2007, 42, 251-254.	1.4	12
85	Structural and optical high-pressure study of spinel-type MnIn ₂ S ₄ . Physica Status Solidi (B): Basic Research, 2007, 244, 229-233.	0.7	14
86	GaS and InSe equations of state from single crystal diffraction. Physica Status Solidi (B): Basic Research, 2007, 244, 169-173.	0.7	8
87	Six-fold-coordinated phosphorus by oxygen in AlPO ₄ quartz homeotype under high pressure. Nature Materials, 2007, 6, 698-702.	13.3	64
88	X-ray absorption spectroscopy on titanate perovskites at the Ti K edge. High Pressure Research, 2006, 26, 325-330.	0.4	12
89	Pressure-induced disappearance of the local rhombohedral distortion in BaTiO ₃ . Europhysics Letters, 2006, 74, 706-711.	0.7	55
90	Hypersonic velocity measurement using Brillouin scattering technique. Application to water under high pressure and temperature. Ultrasonics, 2006, 44, e1495-e1498.	2.1	19

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91	Local environment of a diluted element under high pressure: Zn _{1-x} Mn _x O probed by fluorescence x-ray absorption spectroscopy. Applied Physics Letters, 2006, 89, 231904.	1.5	20
92	Raman scattering study of wurtzite and rocksalt InN under high pressure. Physical Review B, 2006, 73, .	1.1	53
93	EXAFS and Raman studies of mechanical alloyed Ni ₂₅ Se ₇₅ mixture under high-pressure conditions. Journal of Solid State Chemistry, 2005, 178, 93-99.	1.4	11
94	High-pressure studies of mechanical alloyed NiSe powder mixture. Solid State Ionics, 2005, 176, 2639-2644.	1.3	5
95	Structural and mechanical stability of La ₃ Ga _{5.5} Ta _{0.5} O ₁₄ single crystal under hydrostatic pressure. European Physical Journal Special Topics, 2005, 126, 43-46.	0.2	1
96	Pressure-induced phase transition of nanocrystalline ZnSe. Journal of Physics Condensed Matter, 2005, 17, 5187-5200.	0.7	16
97	Pressure Induced Phase Transitions in Amorphous Ge. Physica Scripta, 2005, , 381.	1.2	13
98	High pressure x-ray absorption spectroscopy at lower energy in the dispersive mode: application to Ce and FePO ₄ . Journal of Physics Condensed Matter, 2005, 17, S883-S888.	0.7	23
99	X-ray absorption spectroscopy and x-ray magnetic circular dichroism simultaneous measurements under high pressure: the iron bcc \leftrightarrow hcp transition case. Journal of Physics Condensed Matter, 2005, 17, S957-S966.	0.7	38
100	Quartz as a pressure sensor in the infrared. High Pressure Research, 2005, 25, 97-105.	0.4	12
101	Vibrational properties of delafossite CuGaO ₂ at ambient and high pressures. Physical Review B, 2005, 72, .	1.1	74
102	High-pressure phase diagram of Zn _{1-x} Se _x Te _{1-x} alloys. Physical Review B, 2005, 71, .	1.1	14
103	Sound velocity in aluminosilicate liquids determined up to 2550K from Brillouin spectroscopy: glass transition and crossover temperatures. Journal of Non-Crystalline Solids, 2005, 351, 61-68.	1.5	13
104	Polyamorphic transition of germanium under pressure. Physical Review B, 2004, 69, .	1.1	48
105	Publisher's Note: Polyamorphic transition of germanium under pressure [Phys. Rev. B69, 201201 (2004)]. Physical Review B, 2004, 69, .	1.1	1
106	Structural evolution of the CuGaO ₂ delafossite under high pressure. Physical Review B, 2004, 69, .	1.1	64
107	Dynamics of the Magnetic and Structural μ Phase Transition in Iron. Physical Review Letters, 2004, 93, 255503.	2.9	119
108	X-ray-absorption fine-structure study of Zn _{1-x} Se _x Te _{1-x} alloys. Journal of Applied Physics, 2004, 96, 1491-1498.	1.1	23

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109	Structure of crystalline and amorphous Ge probed by X-ray absorption and diffraction techniques. High Pressure Research, 2004, 24, 93-99.	0.4	13
110	High-pressure behavior of the bond-bending mode of AlN. Journal of Experimental and Theoretical Physics, 2004, 98, 981-985.	0.2	9
111	High-pressure X-ray diffraction study of UMn ₂ Ge ₂ . Physica B: Condensed Matter, 2004, 344, 255-259.	1.3	8
112	X-ray absorption and EXAFS studies of Ge coordination and bonding in high-pressure nitrides: γ -Ge ₃ N ₄ (phenacite) and β -Ge ₃ N ₄ (spinel). Physica Status Solidi A, 2004, 201, 909-916.	1.7	9
113	XMCD under pressure at the FeKedge on the energy-dispersive beamline of the ESRF. Journal of Synchrotron Radiation, 2004, 11, 423-427.	1.0	50
114	Pressure-induced effects on the structural properties of iron selenides produced by mechano-synthesis. Journal of Physics Condensed Matter, 2004, 16, 8485-8490.	0.7	10
115	Brillouin scattering at high pressure: an overview. Journal of Raman Spectroscopy, 2003, 34, 633-637.	1.2	52
116	Local structure of condensed zinc oxide. Physical Review B, 2003, 68, .	1.1	249
117	The phonon density of states in amorphous materials. Journal of Physics Condensed Matter, 2003, 15, S2335-S2341.	0.7	7
118	STRUCTURAL CHARACTERIZATION OF THE CINNABAR PHASE IN Zn _{Sex} Te _{1-x} ALLOYS. High Pressure Research, 2003, 23, 339-342.	0.4	4
119	High-pressure ultrasonic setup using the Paris-Edinburgh press: Elastic properties of single crystalline germanium up to 6 GPa. Review of Scientific Instruments, 2003, 74, 3712-3716.	0.6	17
120	Observation of the high-pressure P ₁ phase in InAs: A combined X-ray absorption and diffraction study. Europhysics Letters, 2003, 61, 554-560.	0.7	15
121	High-frequency dynamics of the glass former dibutylphthalate under pressure. Physical Review E, 2002, 66, 031510.	0.8	9
122	Pressure Dependence of Wurtzite ZnO Structure. High Pressure Research, 2002, 22, 365-367.	0.4	4
123	Elastic properties of α -SiO ₂ up to 2300 K from Brillouin scattering measurements. Europhysics Letters, 2002, 57, 375-381.	0.7	124
124	High Pressure X-Ray Absorption and Diffraction Study of InAs. High Pressure Research, 2002, 22, 331-335.	0.4	15
125	Observation of the Cinnabar Phase in ZnSe at High Pressure. High Pressure Research, 2002, 22, 355-359.	0.4	6
126	Unexpected value of transition pressure in the ionic layered BaFl compound observed by Raman scattering. Physical Review B, 2002, 66, .	1.1	15

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127	High-pressure x-ray-absorption study of GaSe. <i>Physical Review B</i> , 2002, 65, .	1.1	36
128	Trapping of cubic ZnO nanocrystallites at ambient conditions. <i>Applied Physics Letters</i> , 2002, 81, 4820-4822.	1.5	86
129	Pressure-induced spin-state crossovers at room temperature in iron(II) complexes: comparative analysis; a XANES investigation of some new transitions Dedicated to the memory of Professor Olivier Kahn.. <i>New Journal of Chemistry</i> , 2002, 26, 313-322.	1.4	55
130	High-Pressure Ultrasonic Measurements on Single Crystal. <i>High Pressure Research</i> , 2002, 22, 763-767.	0.4	1
131	High-pressure Raman spectroscopy study of wurtzite ZnO. <i>Physical Review B</i> , 2002, 65, .	1.1	468
132	High-pressure and high-temperature x-ray absorption study of liquid and solid gallium. <i>Physical Review B</i> , 2001, 65, .	1.1	33
133	EXAFS study on liquid gallium under high pressure and high temperature. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 776-778.	1.0	7
134	High-pressure synchrotron radiation diffraction studies of icosahedral Ti-Zr-Ni and hydrogenated Ti-Zr-Ni quasicrystals. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 8527-8536.	0.7	9
135	Cinnabar phase in ZnSe at high pressure. <i>Physical Review B</i> , 2001, 65, .	1.1	35
136	Optical properties of A ₂ CuCl ₄ layer perovskites under pressure. <i>Structural correlations.</i> , 2001, , 143-153.		4
137	In situ high pressure X-ray diffraction and EXAFS spectroscopy of icosahedral Al-Cu-Ru quasicrystals. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2000, 80, 2057-2071.	0.7	7
138	High Pressure Studies of Quasicrystals. <i>Materials Research Society Symposia Proceedings</i> , 2000, 643, 551.	0.1	0
139	High-pressure Raman scattering from GaPO ₄ . <i>Solid State Communications</i> , 2000, 114, 335-340.	0.9	12
140	Ultrasonics and X-ray diffraction under pressure in the Paris-Edinburgh cell. <i>Ultrasonics</i> , 2000, 38, 247-251.	2.1	7
141	Icosahedral Ti-Zr-Ni and hydrogenated Ti-Zr-Ni quasicrystals under high pressure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 294-296, 804-805.	2.6	13
142	Bromine metallization studied by X-ray absorption spectroscopy. <i>European Physical Journal B</i> , 2000, 17, 227-233.	0.6	33
143	Evidence for high-spin-to-low-spin transition under pressure in Fe ₇₂ Pt ₂₈ Invar alloy. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2000, 80, 155-163.	0.6	4
144	Single crystal EXAFS at high pressure. <i>High Pressure Research</i> , 2000, 19, 335-340.	0.4	3

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145	In situ high pressure X-ray diffraction and EXAFS spectroscopy of icosahedral Al-Cu-Ru quasicrystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2000, 80, 2057-2071.	0.7	1
146	Magnetic phase transitions in Fe 72 Pt 28 Invar compound studied by high-pressure X-ray magnetic circular dichroism and X-ray diffraction. Europhysics Letters, 1999, 47, 378-383.	0.7	26
147	Transverse effective charge and its pressure dependence in GaN single crystals. Physical Review B, 1999, 60, 1480-1483.	1.1	29
148	High-pressure elastic properties of gallium phosphide. Physical Review B, 1999, 60, 1468-1470.	1.1	26
149	Dispersive XAS at third-generation sources: strengths and limitations. Journal of Synchrotron Radiation, 1999, 6, 146-148.	1.0	22
150	Prediction of cell variations with pressure of ionic layered crystal Application to the matlockite family. European Physical Journal B, 1999, 9, 49-57.	0.6	20
151	X-Ray Absorption Spectroscopy Applied to Pressure-Induced Transformations of Semiconductors. Physica Status Solidi (B): Basic Research, 1999, 211, 323-333.	0.7	5
152	Structure of IIIa-ZnIn ₂ S ₄ under High Pressure. Physica Status Solidi (B): Basic Research, 1999, 211, 385-387.	0.7	7
153	High-Pressure Structural Study of CuAlS ₂ and CuAlSe ₂ . Physica Status Solidi (B): Basic Research, 1999, 211, 455-459.	0.7	20
154	Ionic layered PbFCl-type compounds under high pressure. Physical Review B, 1999, 59, 4011-4022.	1.1	47
155	High Pressure Behavior of Silicon Clathrates: A New Class of Low Compressibility Materials. Physical Review Letters, 1999, 83, 5290-5293.	2.9	146
156	Elastic properties of SrTiO ₃ under extreme conditions: a new high pressure ultrasonic measurement set-up. , 1999, , .		1
157	Some scaling factors of physical properties dependent on phonons in the case of the families of the fluorite and of the matlockite. Journal of Physics and Chemistry of Solids, 1998, 59, 75-82.	1.9	14
158	On the high-pressure phase transition in. European Physical Journal B, 1998, 1, 265-268.	0.6	22
159	Elasticity of BaFCl single crystal under hydrostatic pressure. European Physical Journal B, 1998, 5, 7-13.	0.6	19
160	Two recent developments in XMCD. Journal of Synchrotron Radiation, 1998, 5, 992-994.	1.0	9
161	Elastic constants of $\hat{1}\pm$ -GeO ₂ . Journal of Applied Physics, 1998, 83, 3018-3020.	1.1	45
162	High-pressure X-ray diffraction of icosahedral Al-Cu-Ru and Al-Pd-Re quasicrystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 77, 115-128.	0.7	17

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163	Water as a Dense Icelike Component in Silicate Glasses. , 1998, 281, 396-398.		62
164	Experimental evidence of pressure-induced magnetic phase transition in Fe ₇₂ Pt ₂₈ Invar alloy. Journal of Applied Physics, 1998, 83, 7291-7293.	1.1	21
165	Sound velocity measurement by ultrasonic and Brillouin scattering techniques in compounds with matlockite structure. High Temperatures - High Pressures, 1998, 30, 235-240.	0.3	14
166	A combined XAS and XRD study of the high-pressure behaviour of GaAsO ₄ berlinite. Europhysics Letters, 1997, 40, 533-538.	0.7	17
167	Full-multiple-scattering calculations on HgTe under high pressure at the mercury L _{2,3} -x-ray-absorption edges. Physical Review B, 1997, 56, 5866-5875.	1.1	13
168	A study of KNbO ₃ in the pressure range to 12 GPa using synchrotron radiation. Ferroelectrics, Letters Section, 1997, 22, 59-67.	0.4	11
169	Lattice Dynamics of Icosahedral Al-Boron under Pressure. Physical Review Letters, 1997, 78, 693-696.	2.9	152
170	X-ray diffraction measurements in icosahedral Al-Pd-Mn up to 40 GPa. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 75, 1677-1688.	0.7	23
171	X-ray Absorption Spectroscopic Study of the Temperature and Pressure Dependence of the Electronic Spin States in Several Iron(II) and Cobalt(II) Tris(pyrazolyl)borate Complexes. Inorganic Chemistry, 1997, 36, 5580-5588.	1.9	62
172	Brillouin scattering at high pressure or high temperature. Phase Transitions, 1997, 63, 187-200.	0.6	7
173	X-Ray Absorption Spectroscopy under Extreme Conditions. European Physical Journal Special Topics, 1997, 7, C2-31-C2-38.	0.2	5
174	ptFe ₃ Invar Studied by High Pressure Magnetic Circular Dichroism. European Physical Journal Special Topics, 1997, 7, C2-441-C2-442.	0.2	1
175	XAS Study of the High Pressure Behaviour of Quartz-Like Compounds. European Physical Journal Special Topics, 1997, 7, C2-987-C2-989.	0.2	3
176	EXAFS Evidence of a Phase Transition in Icosahedral AlLiCu Quasicrystals under High Pressure. European Physical Journal Special Topics, 1997, 7, C2-991-C2-992.	0.2	2
177	Full Multiple Scattering Calculations on HgTe Under High Pressure at the Mercury L ₃ X-Ray Absorption Edge. , 1997, , 447-450.		1
178	Pressure-induced phase transition in icosahedral AlLiCu quasicrystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1996, 74, 629-639.	0.7	11
179	Pressure-Induced Valence Tautomerism in Cobalto-Quinone Complexes: An X-ray Absorption Study of the Low-Spin [CoIII(3,5-DTBSQ)(3,5-DTBCat)(phen)] to High-Spin [CoII(3,5-DTBSQ) ₂ (phen)] Interconversion. Inorganic Chemistry, 1996, 35, 2846-2852.	1.9	157
180	Pressure-Induced Spin-State Crossovers in Six-Coordinate FeII(L)(NCS) ₂ Complexes with L = L ⁻ and L ⁰ . A XANES Investigation. Inorganic Chemistry, 1996, 35, 574-580.	1.9	44

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181	Elastic properties of silicate melts up to 2350 K from Brillouin scattering. Geophysical Research Letters, 1996, 23, 423-426.	1.5	27
182	Elastic constants of gallium nitride. Journal of Applied Physics, 1996, 79, 3343-3344.	1.1	642
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