

# Alexander G Lyapin

## List of Publications by Year in descending order

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148  
papers

3,566  
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159358

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g-index

150  
all docs

150  
docs citations

150  
times ranked

2570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Harder than diamond: Dreams and reality. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2002, 82, 231-253.	0.8	376
2	Logarithmic Kinetics of the Amorphous-Amorphous Transformations in SiO <sub>2</sub> and GeO <sub>2</sub> Glasses under High Pressure. Physical Review Letters, 1998, 80, 999-1002.	2.9	222
3	Two liquid states of matter: A dynamic line on a phase diagram. Physical Review E, 2012, 85, 031203.	0.8	209
4	Liquid-Gas Transition in the Supercritical Region: Fundamental Changes in the Particle Dynamics. Physical Review Letters, 2013, 111, 145901.	2.9	142
5	High-pressure phase transformations in liquids and amorphous solids. Journal of Physics Condensed Matter, 2003, 15, 6059-6084.	0.7	135
6	Widom Line for the Liquid-Gas Transition in Lennard-Jones System. Journal of Physical Chemistry B, 2011, 115, 14112-14115.	1.2	120
7	Where is the supercritical fluid on the phase diagram?. Physics-Uspokhi, 2012, 55, 1061-1079.	0.8	111
8	Ultrasonic study of the nonequilibrium pressure-temperature diagram of H <sub>2</sub> O ice. Physical Review B, 2001, 64, .	1.1	95
9	Mechanical properties of the 3D polymerized, sp <sup>2</sup> -sp <sup>3</sup> amorphous, and diamond-plus-graphite nanocomposite carbon phases prepared from C <sub>60</sub> under high pressure. Journal of Applied Physics, 1998, 84, 219-226.	1.1	84
10	Nature of the Structural Transformations in B <sub>2</sub> O <sub>3</sub> Glass under High Pressure. Physical Review Letters, 2008, 101, 035702.	2.9	76
11	Nonequilibrium phase transitions and amorphization in Si, Si/GaAs, Ge, and Ge/GaSb at the decompression of high-pressure phases. Physical Review B, 1995, 51, 7549-7554.	1.1	69
12	Metastable crystalline and amorphous carbon phases obtained from fullerite C <sub>60</sub> by high-pressure-high-temperature treatment. Physical Review B, 1997, 56, 11465-11471.	1.1	69
13	In situ study of the mechanism of formation of pressure-densified SiO <sub>2</sub> glasses. JETP Letters, 2002, 75, 342-347.	0.4	63
14	Glassy dynamics under superhigh pressure. Physical Review E, 2010, 81, 041503.	0.8	57
15	Universal viscosity growth in metallic melts at megabar pressures: the vitreous state of the Earth's inner core. Physics-Uspokhi, 2000, 43, 493-508.	0.8	53
16	Lattice parameters and thermal expansion of superconducting boron-doped diamonds. Physical Review B, 2006, 74, .	1.1	52
17	Structural Transformations and Anomalous Viscosity in the B <sub>2</sub> O <sub>3</sub> Melt under High Pressure. Physical Review Letters, 2010, 105, 115701.	2.9	48
18	As <sub>2</sub> S <sub>3</sub> Melt Under Pressure: One Substance, Three Liquids. Physical Review Letters, 2008, 100, 145701.	2.9	44

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19	Hardening of fullerite C60 during temperature-induced polymerization and amorphization under pressure. Applied Physics Letters, 2000, 76, 712-714.	1.5	41
20	Lattice instability approach to the problem of high-pressure solid-state amorphization. High Pressure Research, 1996, 15, 9-30.	0.4	39
21	Non-Traditional Carbon Semiconductors Prepared from Fullerite C60 and Carbyne under High Pressure. Physica Status Solidi (B): Basic Research, 1999, 211, 401-412.	0.7	39
22	Pressure-induced lattice instability and solid-state amorphization. Physical Review B, 1996, 54, 12036-12048.	1.1	36
23	Mechanism of formation of the superhard disordered graphite-like phase from fullerite C60 under pressure. Journal of Physics Condensed Matter, 2005, 17, 249-256.	0.7	34
24	Nature of Semiconductor-to-Metal Transition and Volume Properties of Bulk Tetrahedral Amorphous GaSb and GaSb-Ge Semiconductors under High Pressure. Physical Review Letters, 1994, 73, 3262-3265.	2.9	33
25	Hard and superhard carbon phases synthesized from fullerites under pressure. Journal of Superhard Materials, 2012, 34, 400-423.	0.5	33
26	Elastic properties of crystalline and liquid gallium at high pressures. Journal of Experimental and Theoretical Physics, 2008, 107, 818-827.	0.2	31
27	Pressure-induced amorphous transitions in SiO <sub>2</sub> and GeO <sub>2</sub>	1.1	31
28	Energy dispersive x-ray diffraction and reverse Monte Carlo structural study of liquid gallium under pressure. Physical Review B, 2012, 86, .	1.1	31
29	Structural transformations in liquid, crystalline, and glassy B2O3 under high pressure. JETP Letters, 2003, 78, 393-397.	0.4	30
30	Metastable high-pressure phases of low-Z compounds: creation of a new chemistry or a prompt for old principles?. Nature Materials, 2004, 3, 497-500.	13.3	30
31	Mechanism of three-dimensional polymerization of fullerite C60 at high pressures. JETP Letters, 1996, 64, 802-807.	0.4	29
32	Nonequilibrium Phase Transformations in Diamond and Zincblende Semiconductors under High Pressure. Physica Status Solidi (B): Basic Research, 1996, 198, 481-490.	0.7	29
33	Elastic properties of superhard amorphous carbon pressure-synthesized from C60 by surface Brillouin scattering. Physical Review B, 2001, 64, .	1.1	29
34	Interplay between the structure and properties of new metastable carbon phases obtained under high pressures from fullerite C60 and carbyne. JETP Letters, 2002, 76, 681-692.	0.4	28
35	Pressure-Driven Molecular Metal to Atomic Metal Transition in Crystalline Ga. Physical Review Letters, 2007, 98, 165503.	2.9	27
36	AsS: Bulk inorganic molecular-based chalcogenide glass. Applied Physics Letters, 2007, 91, .	1.5	27

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37	Dielectric spectroscopy and ultrasonic study of propylene carbonate under ultra-high pressures. Journal of Chemical Physics, 2012, 137, 084502.	1.2	27
38	Universal crossover of liquid dynamics in supercritical region. JETP Letters, 2012, 95, 164-169.	0.4	26
39	Transformations of C60fullerite under high-pressure high-temperature conditions. Physics-Uspekhi, 1996, 39, 837-840.	0.8	24
40	Ultrasonic study of the phase diagram of methanol. JETP Letters, 2004, 80, 597-601.	0.4	24
41	Two scenarios for phase-transformation in disordered media. JETP Letters, 2003, 78, 542-547.	0.4	21
42	Harder than diamond: Dreams and reality. , 0, .		21
43	Elastic Softening of Amorphous H2O Network prior to the hda-lda Transition in Amorphous State.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 1129-1131.	0.1	21
44	Martensitic transition in single-crystalline $\hat{\pm}$ -GeO2 at compression. JETP Letters, 2000, 71, 293-297.	0.4	20
45	Pressure-Induced Crossover between Diffusive and Displacive Mechanisms of Phase Transitions in Single-Crystalline $\hat{\pm}$ -GeO2. Physical Review Letters, 2003, 90, 145503.	2.9	20
46	Bulk nanostructured carbon phases prepared from C60: approaching the "ideal"™ hardness. Journal of Physics Condensed Matter, 2007, 19, 236209.	0.7	20
47	Densified low-hygroscopic form of P2O5 glass. Journal of Materials Chemistry, 2011, 21, 10442.	6.7	20
48	The high-pressure phase diagram of synthetic epsomite (MgSO4·7H2O and MgSO4·7D2O) from ultrasonic and neutron powder diffraction measurements. Physics and Chemistry of Minerals, 2013, 40, 271-285.	0.3	20
49	Mechanism and kinetics of the reversible transformation lda-hda of amorphous ice under pressure. JETP Letters, 1999, 69, 694-700.	0.4	19
50	Elastic properties of D2O ices in solid-state amorphization and transformations between amorphous phases. JETP Letters, 2003, 78, 488-492.	0.4	19
51	Pressure-induced change in the relaxation dynamics of glycerol. JETP Letters, 2010, 92, 479-483.	0.4	18
52	Structural transformation yielding an unusual metallic state in liquid $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{As} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle$ high pressure. Physical Review B, 2010, 82, .	1.1	18
53	Elastic properties of the hydrogen-bonded liquid and glassy glycerol under high pressure: comparison with propylene carbonate. RSC Advances, 2017, 7, 33278-33284.	1.7	18
54	Elastic softness of amorphous tetrahedrally bonded GaSb and (Ge)0.27(GaSb)0.73semiconductors. Physical Review B, 1997, 56, 990-993.	1.1	17

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55	Mechanism of the formation of a diamond nanocomposite during transformations of C60 fullerite at high pressure. JETP Letters, 1999, 69, 869-875.	0.4	17
56	Molecular-networkâ€“ionic structure transitions in liquid AlCl3and ZnCl2halogenides under pressure. Journal of Physics Condensed Matter, 2007, 19, 246104.	0.7	17
57	Comment on â€œBehavior of Supercritical Fluids across the â€“Frenkel Lineâ€™â€•. Journal of Physical Chemistry B, 2018, 122, 6124-6128.	1.2	17
58	Preparation of a new class of semiconductors: bulk amorphous tetrahedral solid solutions Ge1?x (GaSb)x. Journal of Materials Science, 1995, 30, 443-446.	1.7	16
59	Crossover between the thermodynamic and nonequilibrium scenarios of structural transformations of H2O Ih ice during compression. Journal of Experimental and Theoretical Physics, 2002, 94, 283-292.	0.2	16
60	Comment on â€œCauchy Relation in DenseH2O Ice VIIâ€•. Physical Review Letters, 1997, 78, 2493-2493.	2.9	15
61	Mechanical Properties of the Superhard Polymeric and Disordered Phases Prepared from C60, C70, and C2N under High Pressure.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 989-991.	0.1	14
62	Phase equilibria in partially open systems under pressure: the decomposition of stoichiometric GeO2oxide. Physics-Uspekhi, 2003, 46, 1283-1289.	0.8	14
63	Pressure-induced distortion of the amorphous tetrahedral network in a-GaSb: Direct evidence from EXAFS. Physical Review B, 1996, 54, R14242-R14245.	1.1	13
64	Phase transformations and the nature of the semiconductor-to-metal transition in bulka-GaSb anda-(Ge2)1â”x(GaSb)xsemiconductors under high pressure. Physical Review B, 1996, 54, 1808-1818.	1.1	13
65	Anharmonicity of short-wavelength acoustic phonons in silicon at high temperatures. JETP Letters, 2000, 72, 195-198.	0.4	13
66	Structural and elastic anisotropy of carbon phases prepared from fullerite C60. Applied Physics Letters, 2003, 83, 3903-3905.	1.5	13
67	Compressibility and polymorphism of $\text{As}_4\text{S}_4$ realgar under high pressure. Journal of Physics Condensed Matter, 2009, 21, 385401.	0.7	13
68	AsS layered-structure compound: new kind of covalent crystals. CrystEngComm, 2011, 13, 2599.	1.3	13
69	Pressure-induced structural transformations and the anomalous behavior of the viscosity in network chalcogenide and oxide melts. JETP Letters, 2011, 94, 161-170.	0.4	13
70	Kinetics of Amorphous-to-Amorphous Transformations in SiO2 and GeO2 Glasses under High Pressure.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 347-352.	0.1	13
71	Structural Studies of Bulk Amorphous GaSb under High Pressures. Physica Status Solidi (B): Basic Research, 1996, 198, 503-508.	0.7	12
72	Thermodynamic properties of 1D and 2D polymerized fullerite C60 between 0 and 340 K at standard pressure. Thermochimica Acta, 2000, 364, 23-33.	1.2	11

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73	Comment on "New Metallic Crystalline Carbon: Three Dimensionally Polymerized C <sub>60</sub> Fullerite". Physical Review Letters, 2000, 85, 5671-5671.	2.9	11
74	Electron transport in carbynes modified under high pressure. JETP Letters, 2003, 78, 511-519.	0.4	11
75	Nonlocal dielectric relaxation in glycerol. Physical Review B, 2011, 84, .	1.1	11
76	The Frenkel line and supercritical technologies. Russian Journal of Physical Chemistry B, 2014, 8, 1087-1094.	0.2	11
77	Structural studies of phase transitions in crystalline and liquid halides (ZnCl <sub>2</sub> , AlCl <sub>3</sub> ) under pressure. JETP Letters, 2005, 82, 713-718.	0.4	10
78	High-pressure phases in the GaSb-Mn system. Physics of the Solid State, 2006, 48, 2177-2182.	0.2	10
79	Electrotransport and magnetic properties of Cr-doped GaSb phases synthesized under high pressure. Journal of Physics Condensed Matter, 2011, 23, 446001.	0.7	10
80	P-T phase diagram and structural transformations of molten P <sub>2</sub> O <sub>5</sub> under pressure. Physical Review B, 2014, 89, .	1.1	10
81	Elastic properties of liquid and glassy propane-based alcohols under high pressure: the increasing role of hydrogen bonds in a homologous family. Physical Chemistry Chemical Physics, 2019, 21, 2665-2672.	1.3	10
82	Elastic properties of carbon phases obtained from C <sub>60</sub> under pressure: the first example of anisotropic disordered carbon solid. Journal of Physics Condensed Matter, 2002, 14, 10911-10915.	0.7	8
83	Correlations between the physical properties of the carbon phases obtained at a high pressure from C <sub>60</sub> fullerite. Physics of the Solid State, 2002, 44, 405-409.	0.2	8
84	DIRECTIONAL ANISOTROPY IN CARBON PHASES PREPARED FROM FULLERITE C <sub>60</sub> UNDER HIGH PRESSURES. High Pressure Research, 2003, 23, 275-279.	0.4	8
85	Thermodynamics of 2D polymerized tetragonal phase of fullerene C <sub>60</sub> in the range from 0 to 650K at standard pressure. Thermochimica Acta, 2004, 411, 101-108.	1.2	8
86	Behavior of detonation nanodiamond at high pressures and temperatures in the presence of a hydrogen-containing fluid. Inorganic Materials, 2016, 52, 351-356.	0.2	8
87	Structural and Dielectric Relaxations in Vitreous and Liquid State of Monohydroxy Alcohol at High Pressure. Journal of Physical Chemistry B, 2017, 121, 8203-8210.	1.2	8
88	Three-Dimensional Polymerization of Fullerite C <sub>60</sub> under High Pressure.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 811-813.	0.1	8
89	Structural Transformations in Fullerite C <sub>60</sub> under High-Pressure (P=12.5GPa) and High-Temperature Conditions.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 817-819.	0.1	8
90	Anisotropy of the elastic properties and the microhardness of disordered superhard carbon obtained from C <sub>60</sub> fullerite under high pressures. JETP Letters, 2001, 73, 552-556.	0.4	7

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91	The inversion of relative shear rigidity in different material classes at megabar pressures. Journal of Physics Condensed Matter, 2002, 14, 10861-10867.	0.7	7
92	Influence of isotopic disorder on solid state amorphization and polyamorphism in solid $H_2O$ and $D_2O$ solutions. Physical Review B, 2015, 92, .	1.1	7
93	High pressure behavior of $P_2O_5$ crystalline modifications: compressibility, elastic properties and phase transitions. Materials Research Express, 2015, 2, 025201.	0.8	7
94	Thermopower in the hopping conductivity region: Transition from Mott's to Zvyagin's formula. JETP Letters, 1998, 68, 842-847.	0.4	6
95	1D-3D crossover in hopping conduction of carbynes. JETP Letters, 2000, 72, 381-384.	0.4	6
96	Ferromagnetism in the high-pressure phases of $(GaSb)_{1-x}Mnx$ . JETP Letters, 2006, 84, 195-198.	0.4	6
97	Elastic properties of fullerites $C_{60}$ and $C_{70}$ under pressure. Journal of Physics: Conference Series, 2010, 215, 012054.	0.3	6
98	Order versus disorder: In situ high-pressure structural study of highly polymerized three-dimensional $C_{60}$ fullerite. Journal of Applied Physics, 2019, 126, 065102.	1.1	6
99	New Types of Phase Transitions: Phenomenology, Concepts and Terminology. , 2002, , 15-27.		6
100	Amorphous semiconductors prepared by quenching under high pressure. Physics-Uspexhi, 1994, 37, 185-217.	0.8	5
101	Structural transformations of the cumulene form of amorphous carbyne at high pressure. JETP Letters, 1997, 66, 255-260.	0.4	5
102	Anisotropic Carbon Phases Prepared from Fullerite $C_{70}$ under High Pressure. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 409-414.	1.0	5
103	Hopping conduction and magnetoresistance of $C_{2N}$ -based nanomaterials synthesized under high pressure. Physics of the Solid State, 2007, 49, 1403-1409.	0.2	5
104	Scaling of magnetoresistance of carbon nanomaterials in Mott-type hopping conductivity region. Physics of the Solid State, 2008, 50, 1386-1391.	0.2	5
105	Energy-dispersive X-ray diffraction study of liquid gallium under high pressure at elevated temperatures. High Pressure Research, 2013, 33, 191-195.	0.4	5
106	The kinetics of decay of supersaturated solid solutions Al(Si) produced under high pressure. Physica Status Solidi A, 1993, 140, 127-133.	1.7	4
107	Transformations in amorphous solids under high pressures. Physics-Uspexhi, 1999, 42, 1059-1062.	0.8	4
108	Elastic properties of substances in the megabar pressure range: Inversion of shear rigidity. JETP Letters, 2001, 73, 197-201.	0.4	4

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109	A new nanocluster carbyne-based material synthesized under high pressure. <i>Physics of the Solid State</i> , 2002, 44, 607-611.	0.2	4
110	Thermodynamic and dilatometric properties of the dimerized phase of a C <sub>60</sub> fullerene. <i>Physics of the Solid State</i> , 2003, 45, 802-808.	0.2	4
111	Thermodynamic properties of graphite-like nanostructures prepared by thermobaric treatment of fullerite C <sub>60</sub> . <i>Russian Chemical Bulletin</i> , 2008, 57, 1975-1980.	0.4	4
112	High-temperature transitions of C <sub>60</sub> at moderate pressures. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008, 16, 475-485.	1.0	4
113	Electrotransport and magnetic properties of metastable phases in the system GaSb-Mn synthesized under high pressure. <i>Journal of Physics: Conference Series</i> , 2008, 121, 032011.	0.3	4
114	Ultrasonic study of solid-phase amorphization and polyamorphism in an H <sub>2</sub> O-D <sub>2</sub> O (1: 1) solid solution. <i>JETP Letters</i> , 2013, 96, 789-793.	0.4	4
115	High pressure solid state amorphization of Si, Ge and solid solutions Si:GaAs, Ge:GaSb. <i>High Pressure Research</i> , 1994, 13, 47-49.	0.4	3
116	Onset of a nonoptimal hopping regime for ac conductivity in amorphous gallium antimonide. <i>JETP Letters</i> , 1997, 65, 342-348.	0.4	3
117	The influence of dimerization on the orientational phase transition in the C <sub>60</sub> fullerite. <i>Physics of the Solid State</i> , 2002, 44, 447-449.	0.2	3
118	Elasticity of Molecular Fullerite C <sub>60</sub> under Pressure. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008, 16, 499-506.	1.0	3
119	Ultrasonic study of epsomite (MgSO <sub>4</sub> ·7H <sub>2</sub> O) under pressure. <i>High Pressure Research</i> , 2010, 30, 51-54.	0.4	3
120	Magneto-resistance of the high-pressure ferromagnetic phases (GaSb) <sub>2</sub> M (M=Cr,Mn). <i>Journal of Physics Condensed Matter</i> , 2014, 26, 326001.	0.7	3
121	Graphitization and preparation of diamond in an amorphous carbon material at high pressures and temperatures. <i>Inorganic Materials</i> , 2017, 53, 154-159.	0.2	3
122	High-Pressure Structural Transformations of Carbyne. <i>Inorganic Materials</i> , 2005, 41, 950-954.	0.2	2
123	A calorimetric study of the dimerized phase of C <sub>60</sub> fullerene. <i>Physics of the Solid State</i> , 2006, 48, 1016-1021.	0.2	2
124	Ultrasonic study of monomeric fullerite C <sub>60</sub> under pressure. <i>Journal of Physics: Conference Series</i> , 2008, 121, 022008.	0.3	2
125	Transitions in Liquids: Examples and Open Questions. , 2002, , 238-254.		2
126	Mechanical Properties of Polymerized, Amorphous, and Nanocrystalline Carbon Phases Prepared from Fullerite C <sub>60</sub> under Pressure. , 2002, , 199-216.		2



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127	Local atomic ordering in bulk amorphous $(\text{GaSb})_{1-x}\text{Ge}_x$ . Journal of Synchrotron Radiation, 1999, 6, 492-494.	1.0	1
128	Local structure of bulk amorphous and crystalline $(\text{GaSb})_{1-x}(\text{Ge}_2)_x$ . Physical Review B, 2000, 61, 1907-1911.	1.1	1
129	Acoustic Microscopy and Surface Brillouin Scattering of Amorphous Carbon Pressure-Synthesized From C60. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	1
130	Elastic properties of metastable crystalline and amorphous $\text{GaSb-Ge}$ semiconductors synthesized under high pressure. High Pressure Research, 2003, 23, 187-190.	0.4	1
131	Hopping conductivity in carbynes. Magnetoresistance and Hall effect. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 29-32.	0.8	1
132	Kinetic Properties of Orientational Phase Transition in Polymerized States of Fullerites C60. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 259-262.	1.0	1
133	Hopping Conductivity Spectroscopy of Carbon Nanocluster Materials. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 445-453.	1.0	1
134	New Data on Compressibility of Molecular Fullerites C60 and C70. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 406-411.	1.0	1
135	Nanostructured Superhard Carbon Phases Synthesized from Fullerites under Pressure. , 2014, , 539-563.		1
136	Influence of hydrogen bonding on the elastic properties of molecular glassforming liquids under high pressure. Journal of Physics: Conference Series, 2017, 950, 042053.	0.3	1
137	Non-Traditional Carbon Semiconductors Prepared from Fullerite C60 and Carbyne under High Pressure. , 1999, 211, 401.		1
138	Kinetics and Non-Ergodic Nature of Amorphous-Amorphous Transformations under Pressure. , 2002, , 448-468.		1
139	Mechanical Properties of Polymerized, Amorphous, and Nanocrystalline Carbon Phases Prepared from Fullerite C60 under Pressure. , 2002, , 199-216.		1
140	Properties of Al-Si alloys prepared by rapid quenching from the melt under high pressure. High Pressure Research, 1991, 7, 274-276.	0.4	0
141	Semiconductor-to-metal transition in bulk amorphous gallium antimonide under high pressure. High Pressure Research, 1994, 13, 55-59.	0.4	0
142	High-pressure synthesis of metastable ternary solid solutions between tetrahedral semiconductors. Inorganic Materials, 2000, 36, 431-436.	0.2	0
143	Phase Equilibria in Partially Open Systems under Pressure: The Decomposition of Stoichiometric $\text{GeO}_2$ Oxide. ChemInform, 2004, 35, no.	0.1	0
144	Anisotropic Nanoclustered Carbon Phases Prepared from Fullerite C60 Under Non-hydrostatic High Pressure. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 235-241.	1.0	0

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145	Dilatometry and X-Ray Study of Orientational Phase Transitions in C60. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 415-419.	1.0	0
146	Electro-and magnetotransport properties of disordered carbon phases synthesized from C60 fullerite at moderate pressures $P_{syn} \approx 1.5$ GPa. JETP Letters, 2008, 88, 54-58.	0.4	0
147	Pressure- and temperature- driven phase transitions in pyridine. Journal of Physics: Conference Series, 2020, 1609, 012003.	0.3	0
148	Ultrasonic study of 1-propanol glasses with various thermobaric histories during the glass-liquid transition. Journal of Physics: Conference Series, 2019, 1147, 012012.	0.3	0