Bertil Sundqvist

List of Publications by Year in descending order

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172	5,127	126901	106340
papers	citations	33 h-index	65 g-index

173	173	173	3643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic carbon. Nature, 2001, 413, 716-718.	27.8	538
2	Fullerenes under high pressures. Advances in Physics, 1999, 48, 1-134.	14.4	333
3	High-pressure polymerized phases of C 60. Carbon, 1998, 36, 319-343.	10.3	277
4	Thermal conductivity of solids and liquids under pressure. Reports on Progress in Physics, 1984, 47, 1347-1402.	20.1	239
5	Resistivity of a composite conducting polymer as a function of temperature, pressure, and environment: Applications as a pressure and gas concentration transducer. Journal of Applied Physics, 1986, 60, 1074-1079.	2.5	203
6	Synthesis of Thin, Rectangular C60 Nanorods Usingm-Xylene as a Shape Controller. Advanced Materials, 2006, 18, 1883-1888.	21.0	169
7	Highly Enhanced Luminescence from Single-Crystalline C60Â·1m-xylene Nanorods. Chemistry of Materials, 2006, 18, 4190-4194.	6.7	117
8	Topochemical Polymerization of C70 Controlled by Monomer Crystal Packing. Science, 2001, 293, 680-683.	12.6	100
9	Novel Superhard <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi><mml:msup><mml:mi>p</mml:mi><mml:mn>3</mml:mn></mml:msup></mml:mrow></mml:math> Carbon Allotrope from Cold-Compressed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mrow><mml:mn>70</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Peapods. Physical Review Letters, 2017, 118, 245701.	7.8	100
10	Ultrahard bulk amorphous carbon from collapsed fullerene. Nature, 2021, 599, 599-604.	27.8	99
11	First X-ray diffraction analysis of pressure polymerized C 60 single crystals. Europhysics Letters, 1997, 40, 55-60.	2.0	79
12	Raman signature to identify the structural transition of single-wall carbon nanotubes under high pressure. Physical Review B, 2008, 78, .	3.2	79
13	Synthesis and growth mechanism of differently shaped C60 nano/microcrystals produced by evaporation of various aromatic C60 solutions. Carbon, 2009, 47, 1181-1188.	10.3	76
14	Thermal conductivity of highly crystallized polyethylene. Polymer, 2014, 55, 195-200.	3.8	72
15	Thermal diffusivity and thermal conductivity of Chromel, Alumel, and Constantan in the range 100â€“450 K. Journal of Applied Physics, 1992, 72, 539-545.	2.5	67
16	Polymeric Fullerene Phases Formed Under Pressure. Structure and Bonding, 0, , 85-126.	1.0	65
17	Carbon under pressure. Physics Reports, 2021, 909, 1-73.	25.6	64
18	High-temperature superconductivity in sulfur hydride evidenced by alternating-current magnetic susceptibility. National Science Review, 2019, 6, 713-718.	9.5	63

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19	Phase Transitions in Graphite Oxide Solvates at Temperatures Near Ambient. Journal of Physical Chemistry Letters, 2012, 3, 812-817.	4.6	56
20	Conduction mechanisms in some graphiteâ€“polymer composites: Effects of temperature and hydrostatic pressure. Journal of Applied Physics, 1998, 83, 1410-1419.	2.5	55
21	C60one- and two-dimensional polymers, dimers, and hard fullerite: Thermal expansion, anharmonicity, and kinetics of depolymerization. Physical Review B, 1999, 60, 16920-16927.	3.2	51
22	Selective Intercalation of Graphite Oxide by Methanol in Water/Methanol Mixtures. Journal of Physical Chemistry C, 2013, 117, 1963-1968.	3.1	51
23	Compressibility of C ₆₀ between 150 and 335 K and up to 1 GPa. Europhysics Letters, 1994, 27, 463-466.	2.0	45
24	Electrical resistivity of single-crystal graphite under pressure: An anisotropic three-dimensional semimetal. Physical Review B, 1998, 57, 6227-6230.	3.2	44
25	Rotational dynamics of confined C ₆₀ from near-infrared Raman studies under high pressure. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22135-22138.	7.1	43
26	Decompression-Induced Diamond Formation from Graphite Sheared under Pressure. Physical Review Letters, 2020, 124, 065701.	7.8	41
27	Molecular insertion regulates the donor-acceptor interactions in cocrystals for the design of piezochromic luminescent materials. Nature Communications, 2021, 12, 4084.	12.8	41
28	Pressure-induced structural phase transition inNaBH4. Physical Review B, 2005, 72, .	3.2	38
29	Phase diagram, structure, and disorder in C60 below 300 K and 1 GPa. Solid State Communications, 1995, 93, 109-112.	1.9	37
30	On the polyamorphism of fullerite-based orientational glasses. Low Temperature Physics, 2005, 31, 429-444.	0.6	37
31	Compressibility ofC60in the temperature range 150â€“335 K up to a pressure of 1 GPa. Physical Review B, 1996, 53, 8329-8336.	3.2	36
32	Electron band structure, resistivity, and the electron-phonon interaction for niobium under pressure. Physical Review B, 1983, 28, 629-637.	3.2	35
33	Thermal properties of two low viscosity silicon oils as functions of temperature and pressure. Journal of Applied Physics, 1982, 53, 8751-8755.	2.5	34
34	A low-temperature high-pressure apparatus with a temperature control system. High Pressure Research, 1992, 10, 599-605.	1.2	34
35	Negative thermal expansion of fullerite C60 at liquid helium temperatures. Low Temperature Physics, 1997, 23, 943-946.	0.6	34
36	A Raman study of polymerised C 60. Applied Physics A: Materials Science and Processing, 1997, 64, 223-226.	2.3	34

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37	Tailoring Building Blocks and Their Boundary Interaction for the Creation of New, Potentially Superhard, Carbon Materials. Advanced Materials, 2015, 27, 3962-3968.	21.0	34
38	Thermal conductivity ofC60at pressures up to 1 GPa and temperatures in the 50â€“300 K range. Physical Review B, 1996, 54, 3093-3100.	3.2	33
39	High-pressure-induced metastable phase in tetragonal 2D polymeric C60. Chemical Physics Letters, 2001, 341, 435-441.	2.6	33
40	The specific heat and the radial thermal expansion of bundles of single-walled carbon nanotubes. Low Temperature Physics, 2012, 38, 523-528.	0.6	32
41	Raman study of the two-dimensional polymersNa4C60and tetragonalC60. Physical Review B, 2002, 65, .	3.2	31
42	Single-crystal structural study of the pressure-temperature-induced dimerization of C $mathsf{_{60}}$. European Physical Journal B, 2003, 37, 25-37.	1.5	31
43	Low-temperature thermal expansion of pure and inert-gas-doped fullerite C60. Low Temperature Physics, 2003, 29, 324-332.	0.6	31
44	Radial thermal expansion of pure and Xe-saturated bundles of single-walled carbon nanotubes at low temperatures. Low Temperature Physics, 2009, 35, 484-490.	0.6	31
45	Pressure-Induced Phase Transitions of C₇₀ Nanotubes. Journal of Physical Chemistry C, 2011, 115, 8918-8922.	3.1	31
46	Structural aspects of two-dimensional polymers: Li4C60, Na4C60 and tetragonal C60. Raman spectroscopy and X-ray diffraction. Journal of Physics and Chemistry of Solids, 2004, 65, 317-320.	4.0	30
47	Compressibility and Structure of C ₇₀. Europhysics Letters, 1995, 30, 469-474.	2.0	29
48	Pressure-induced transformation and superhard phase in fullerenes: The effect of solvent intercalation. Applied Physics Letters, 2013, 103, .	3.3	29
49	Resistivity of high-Tc superconductors: Linear in T at constant P, non-linear at constant V. Solid State Communications, 1990, 76, 1019-1022.	1.9	28
50	Discriminated structural behaviour of C ₆₀ and C ₇₀ peapods under extreme conditions. Europhysics Letters, 2007, 79, 56003.	2.0	28
51	Pressure dependence of the electron-phonon interaction and Fermi-surface properties of Al, Au, bcc Li, Pb, and Pd. Physical Review B, 1985, 32, 2200-2212.	3.2	27
52	Raman spectroscopy study of carbon nanotube peapods excited by near-IR laser under high pressure. Physical Review B, 2007, 76, .	3.2	27
53	Structural Breathing of Graphite Oxide Pressurized in Basic and Acidic Solutions.. Journal of Physical Chemistry Letters, 2011, 2, 309-313.	4.6	27
54	Pressure dependence of the electron-phonon interaction and the normal-state resistivity. Physical Review B, 1981, 24, 144-154.	3.2	26

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55	Electric resistance of single-walled carbon nanotubes under hydrostatic pressure. Solid State Communications, 2001, 118, 31-36.	1.9	26
56	Radial thermal expansion of single-walled carbon nanotube bundles at low temperatures. Low Temperature Physics, 2008, 34, 678-679.	0.6	25
57	Uniaxial-stress-driven transformation in cold compressed glassy carbon. Applied Physics Letters, 2017, 111, .	3.3	25
58	Thermal conduction of metals under pressure. Review of Scientific Instruments, 1976, 47, 177-182.	1.3	24
59	Polymerization of the rotor-stator compoundC60-cubane under pressure. Physical Review B, 2007, 75, .	3.2	24
60	Pressure dependence of the thermal conductivity, thermal diffusivity, and specific heat of some polymers. Journal of Polymer Science, Polymer Physics Edition, 1975, 13, 243-251.	1.0	23
61	Quasi 3D polymerization in C60 bilayers in a fullerene solvate. Carbon, 2017, 124, 499-505.	10.3	23
62	Interaction between C60 and gases under pressure. Low Temperature Physics, 2003, 29, 440-444.	0.6	22
63	Low T hydrostatic limits of n-pentane/iso-pentane mixture measured by a self-supporting Manganin pressure gauge. Journal of Physics E: Scientific Instruments, 1987, 20, 984-986.	0.7	21
64	A highâ€pressure cell for electrical resistance measurements at hydrostatic pressures up to 8 GPa: Results for Bi, Ba, Ni, and Si. Journal of Applied Physics, 1989, 65, 3943-3950.	2.5	21
65	Buckyballs under Pressure. Physica Status Solidi (B): Basic Research, 2001, 223, 469-477.	1.5	21
66	A study of temperature and pressure induced structural and electronic changes in SbCl₅ intercalated graphite: Part II. Experimental data for c-axis resistivity. Journal of Materials Research, 1992, 7, 2989-3000.	2.6	20
67	Thermal expansion and polyamorphism of N2â€“C60 solutions. Low Temperature Physics, 2006, 32, 695-699.	0.6	20
68	Mapping intermolecular bonding in C60. Scientific Reports, 2014, 4, 6171.	3.3	20
69	Negative Volume Compressibility in Sc₃N@C₈₀â€“Cubane Cocrystal with Charge Transfer. Journal of the American Chemical Society, 2020, 142, 7584-7590.	13.7	20
70	Reorientational relaxation in C60 following a pressure induced change in the pentagon/hexagon equilibrium ratio. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 206, 260-264.	2.1	19
71	Lattice vibrations and thermodynamic stability of polymerized C60 deduced from heat capacities. Journal of Chemical Physics, 1999, 110, 12226-12232.	3.0	19
72	Thermal Conductivity and Phase Diagrams of Some Potential Hydrogen Storage Materials Under Pressure. International Journal of Thermophysics, 2009, 30, 1118-1129.	2.1	19

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73	High temperature Luttinger liquid conductivity in carbon nanotube bundles. Applied Physics Letters, 2010, 97, 072106.	3.3	19
74	Phase coexistence and hysteresis effects in the pressure-temperature phase diagram of NH<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>BH<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow	3.2	19
75	Electrical resistance of nickel in the range 300â€“725 K and 0â€“2 GPa. Physical Review B, 1988, 38, 12283-12289.	3.2	18
76	New Ordered Structure of Amorphous Carbon Clusters Induced by Fullereneâ€“Cubane Reactions. Advanced Materials, 2018, 30, e1706916.	21.0	18
77	Measurement of the pressure dependence of the electron-photon interaction in aluminium. Journal of Physics F: Metal Physics, 1979, 9, L161-L166.	1.6	17
78	Resistivity, bandstructure and superconductivity of DHCP and FCC La under pressure. Journal of Physics Condensed Matter, 1989, 1, 8407-8424.	1.8	17
79	Pressure-induced transformation in Na<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>60</mml:mn></mml:msub></mml:math>polymer: X-ray diffraction and Raman scattering experiments. Physical Review B, 2011, 84, .	3.2	17
80	Specific features of thermal expansion and polyamorphism in CH4â€“C60 solutions at low temperatures. Low Temperature Physics, 2007, 33, 1068-1072.	0.6	16
81	High pressure and high temperature induced polymerization of doped C 60 materials. Carbon, 2016, 109, 269-275.	10.3	16
82	Thermal expansion of single-crystal fullerite C60 at liquid-helium temperatures. Low Temperature Physics, 2000, 26, 75-80.	0.6	15
83	Low-temperature thermal expansion of fullerite C60 alloyed with argon and neon. Low Temperature Physics, 2001, 27, 1033-1036.	0.6	15
84	High-pressure study of NaAlH4by Raman spectroscopy up to 17ÂGPa. High Pressure Research, 2006, 26, 165-173.	1.2	15
85	Intercalation of fullerite C60 with N2 molecules. An investigation by x-ray powder diffraction. Low Temperature Physics, 2007, 33, 881-885.	0.6	15
86	Solvation of graphite oxide in waterâ€“methanol binary polar solvents. Physica Status Solidi (B): Basic Research, 2012, 249, 2568-2571.	1.5	15
87	In situ Raman and photoluminescence study on pressureâ€induced phase transition in C 60 nanotubes. Journal of Raman Spectroscopy, 2012, 43, 737-740.	2.5	15
88	Polarized Raman Study of Aligned Multiwalled Carbon Nanotubes Arrays under High Pressure. Journal of Physical Chemistry C, 2015, 119, 27759-27767.	3.1	15
89	Pressure induced metastable polymerization in doped C60 materials. Carbon, 2017, 115, 740-745.	10.3	15
90	A study of temperature and pressure induced structural and electronic changes in SbCl5 intercalated graphite: Part I. Structural aspects. Journal of Materials Research, 1992, 7, 2978-2988.	2.6	14

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91	Photoluminescence properties of high-pressure-polymerized C60 nanorods in the orthorhombic and tetragonal phases. Applied Physics Letters, 2006, 89, 181925.	3.3	14
92	Influence of dissolved oxygen on the thermal expansion and polyamorphism of fullerite C60. Low Temperature Physics, 2007, 33, 465-471.	0.6	14
93	Thermal expansion of solutions of deuteromethane in fullerite C60 at low temperatures. Isotopic effect. Low Temperature Physics, 2009, 35, 226-231.	0.6	14
94	High pressure and high temperature induced polymerization of C60 nanotubes. CrystEngComm, 2011, 13, 3600.	2.6	14
95	The effect of sorbed hydrogen on low-temperature radial thermal expansion of single-walled carbon nanotube bundles. Low Temperature Physics, 2009, 35, 939-943.	0.6	13
96	Self-heating of metallic carbon nanotube bundles in the regime of the Luttinger-liquid conductivity. Low Temperature Physics, 2011, 37, 710-717.	0.6	13
97	Reversible pressure-induced polymerization of Fe(C5H5)2 doped C70. Carbon, 2013, 62, 447-454.	10.3	13
98	Thermal conductivity and Lorenz function of zinc under pressure. International Journal of Thermophysics, 1988, 9, 577-585.	2.1	11
99	Low temperature calibration of Manganin pressure gauges. Review of Scientific Instruments, 1997, 68, 1344-1345.	1.3	11
100	Enhanced thermal dissociation of optically excited C 60 chains. Europhysics Letters, 2000, 49, 631-636.	2.0	11
101	Effect of argon on the thermal expansion of fullerite C60 at helium temperatures. Low Temperature Physics, 2001, 27, 245-246.	0.6	11
102	Effect of high pressure on electrical transport in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Li</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:msub polymer from 100 to 400 K. Physical Review B, 2010, 81, .	3.2	11
103	Pressure Dependent Electrical Conductivity of Polypyrrole. Molecular Crystals and Liquid Crystals, 1985, 118, 155-158.	0.8	10
104	Low-temperature radial thermal expansion of single-walled carbon nanotube bundles saturated with nitrogen. Low Temperature Physics, 2010, 36, 365-369.	0.6	10
105	The low-temperature heat capacity of fullerite C60. Low Temperature Physics, 2015, 41, 630-636.	0.6	10
106	Photoluminescence changes of C70 nano/submicro-crystals induced by high pressure and high temperature. Scientific Reports, 2016, 6, 38470.	3.3	10
107	Pressure-induced transformations and optical properties of the two-dimensional tetragonal polymer of C60 at pressures up to 30 GPa. Journal of Experimental and Theoretical Physics, 2002, 95, 736-747.	0.9	9
108	Spectroscopic study of phase transformations between orthorhombic and tetragonal C60 polymers. European Physical Journal B, 2006, 49, 59-65.	1.5	9

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109	Quantum effects in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with He4. Low Temperature Physics, 2010, 36, 635-637.	0.6	9
110	Resistivity saturation in fcc La under high pressure. Physical Review Letters, 1992, 69, 2693-2696.	7.8	8
111	High-pressure synthesis, structural and Raman studies of a two-dimensional polymer crystal of. European Physical Journal B, 2000, 15, 253-263.	1.5	8
112	The effect of the noncentral impurityâ€“matrix interaction upon the thermal expansion and polyamorphism of COâ€“C60 solid solutions at low temperatures. Low Temperature Physics, 2008, 34, 470-475.	0.6	8
113	Saturation and pressure effects on the resistivity of titanium and two Ti-Al alloys. Journal of Physics and Chemistry of Solids, 2018, 122, 41-50.	4.0	8
114	Thermal diffusivity measurements by ï¿½ngstrï¿½m's method in a fluid environment. International Journal of Thermophysics, 1991, 12, 191-206.	2.1	7
115	Electrical transport properties ofA₄C₆₀(A=Li, Na, and Rb) under pressure. High Pressure Research, 2008, 28, 597-600.	1.2	7
116	Intermolecular bonding in C70 at high pressure and temperature. Carbon, 2017, 125, 258-268.	10.3	7
117	Thermal diffusivity measurements under hydrostatic pressure. Review of Scientific Instruments, 1981, 52, 1061-1063.	1.3	6
118	High-pressure properties of high-TC superconductor samples produced by hot isostatic pressing. High Pressure Research, 1990, 3, 123-125.	1.2	6
119	Improving thermal insulation in high-pressure experiments. Review of Scientific Instruments, 1998, 69, 3433-3434.	1.3	6
120	Pressure-induced ferromagnetism of fullerenes. High Pressure Research, 2003, 23, 135-141.	1.2	6
121	Low-temperature heat capacity of fullerite C60 doped with nitrogen. Low Temperature Physics, 2006, 32, 967-969.	0.6	6
122	Investigations of N@C₆₀ and N@C₇₀ stability under high pressure and high temperature conditions. Physica Status Solidi (B): Basic Research, 2009, 246, 2767-2770.	1.5	6
123	Low-temperature heat capacity of fullerite C60 doped with deuteromethane. Low Temperature Physics, 2012, 38, 67-73.	0.6	6
124	Buckminsterfullerene: A Strong, Covalently Bonded, Reinforcing Filler and Reversible Cross-Linker in the Form of Clusters in a Polymer. ACS Macro Letters, 2013, 2, 511-517.	4.8	6
125	Raman identification of C 70 monomers and dimers. Diamond and Related Materials, 2017, 73, 143-147.	3.9	6
126	La0.7Ca0.3-xSrxMnO3Manganites: Effect of Structure on the Magnetic and Transport Properties. Journal of the Physical Society of Japan, 2002, 71, 927-929.	1.6	5

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127	Raman spectroscopy and X-ray diffraction studies of the single- and double-bonded two-dimensional polymers NanLi4â€“nC60. Journal of Physics and Chemistry of Solids, 2004, 65, 355-357.	4.0	5
128	Low-temperature microhardness of Xe-intercalated fullerite C60. Low Temperature Physics, 2005, 31, 454-458.	0.6	5
129	Quantum phenomena in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with 3He. A giant isotope effect. Low Temperature Physics, 2011, 37, 544-546.	0.6	5
130	Ac impedance of A₄C₆₀fullerides under pressure. New Journal of Physics, 2015, 17, 023010.	2.9	5
131	The effect of O2impurities on the low-temperature radial thermal expansion of bundles of closed single-walled carbon nanotubes. Low Temperature Physics, 2011, 37, 343-346.	0.6	4
132	Ionic conductivity in three crystalline phases of LiBH₄under pressure. High Pressure Research, 2013, 33, 141-151.	1.2	4
133	Raman study of graphene nanoribbon analogs confined in singleâ€walled carbon nanotubes and their highâ€pressure transformations. Journal of Raman Spectroscopy, 2017, 48, 951-957.	2.5	4
134	Instability and thermal conductivity of pressure-densified and elastically altered orientational glass of Buckminsterfullerene. Journal of Chemical Physics, 2018, 148, 144502.	3.0	4
135	Resistivity saturation in crystalline metals: Semi-classical theory versus experiment. Journal of Physics and Chemistry of Solids, 2022, 165, 110686.	4.0	4
136	Thermophysical Properties of C⁷⁰ Up to 1 GPa. Materials Research Society Symposia Proceedings, 1994, 359, 555.	0.1	3
137	On The Relevance of Certain Transport-Structure Correlations IN SBCL₅-Intercalated Graphite TO OUR Overall Understanding of GICc Axis Conductivity. Molecular Crystals and Liquid Crystals, 1994, 245, 61-66.	0.3	3
138	Chain orientation and layer stacking in the high-pressure polymers of C[sub 60]: Single crystal studies. AIP Conference Proceedings, 2000, , .	0.4	3
139	Can Two-Dimensional Fullerene Polymers Be Intercalated?. Molecular Crystals and Liquid Crystals, 2000, 340, 677-682.	0.3	3
140	SYNTHESIS OF SUPERHARD 3D-POLYMERIC C60 FULLERITES FROM RHOMBOHEDRAL 2D-POLYMER BY HIGH-PRESSURE-HIGH-TEMPERATURE TREATMENT. High Pressure Research, 2003, 23, 259-264.	1.2	3
141	Comment on â€œCharacteristics of silicone fluid as a pressure transmitting medium in diamond anvil cellsâ€•[Rev. Sci. Instrum. 75, 4450 (2004)]. Review of Scientific Instruments, 2005, 76, 057101.	1.3	3
142	Low-temperature dynamics of matrix isolated methane molecules in fullerite C60: The heat capacity, isotope effects. Low Temperature Physics, 2014, 40, 678-684.	0.6	3
143	Electrical resistance of dysprosium under pressure. Journal of Physics: Conference Series, 2014, 500, 182040.	0.4	3
144	Correlation between weak localization effects and resistivity saturation in dilute Ti-Al alloys. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 400, 127291.	2.1	3

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145	High Pressure and High Temperature Induced Polymerization of C₆₀ Solvates: The Effect of Intercalated Aromatic Solvents. Journal of Physical Chemistry C, 2021, 125, 17155-17163.	3.1	3
146	Electrical resistivity and critical temperature of Bi-based High-TC superconductors to 1 GPa. High Pressure Research, 1990, 3, 120-122.	1.2	2
147	The electrical resistance of La under pressure between 70 and 300 K. High Pressure Research, 1991, 7, 250-252.	1.2	2
148	Pressure Effects in Granular La0.7Ca0.3?xSrxMnO3. Physica Status Solidi A, 2002, 189, 281-285.	1.7	2
149	Detailed Mapping of Reaction Diagrams for Metastable Phases. Materials Research Society Symposia Proceedings, 2012, 1519, 1.	0.1	2
150	Anomalous phonon softening of G-band in compressed graphitic carbon nitride due to strong electrostatic repulsion. Applied Physics Letters, 2021, 118, .	3.3	2
151	Simple electronic resistance bridge with Î¼Î© resolution at low current. Review of Scientific Instruments, 1985, 56, 2166-2168.	1.3	1
152	A piston-and-cylinder device for compressibility studies on polymers and other â€œsoftâ€•materials. High Pressure Research, 1994, 13, 141-145.	1.2	1
153	Mechanical measurement of the transverse force on the moving vortices in superconductors. European Physical Journal D, 1996, 46, 1727-1728.	0.4	1
154	Polymeric fullerenes: from. , 1999, , .		1
155	2D polymerization and doping of fullerenes under pressure. High Pressure Research, 2000, 18, 139-143.	1.2	1
156	Twenty Years of Charge Transport Studies in Intercalated Graphite. Molecular Crystals and Liquid Crystals, 2000, 340, 325-330.	0.3	1
157	Fullerites and Hard Carbons. , 2001, , 3387-3395.		1
158	Structural and Vibrational Properties of Liâ€•and Naâ€Ðoped Fullerene Polymers. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 319-325.	2.1	1
159	Complex Hydrides Studied by Raman Spectroscopy and Thermal Conductivity Measurements under High Pressure. Materials Research Society Symposia Proceedings, 2006, 971, 1.	0.1	1
160	Calorimetric measurements on Li4C60and Na4C60. Journal of Chemical Physics, 2015, 142, 164706.	3.0	1
161	Thermal Conductivity of C60 Under High Pressure. Materials Research Society Symposia Proceedings, 1994, 359, 549.	0.1	0
162	A study of temperature and pressure induced structural and electronic changes in SbCl5 intercalated graphite: Part IV. The basal plane resistivity. Journal of Materials Research, 1995, 10, 1653-1660.	2.6	0

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163	Fingerprints of solid-state chemical reactions in the dynamics of fullerenes. , 1998, , .		0
164	Electric resistivity and magnetoresistance of some superhard and ultrahard fullerites in the range 300-2K. , 1999, , .		0
165	Bromine Doped Single-walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2000, 633, 13361.	0.1	0
166	Transport properties of single-walled nanotube mats under hydrostatic pressure. AIP Conference Proceedings, 2000, , .	0.4	0
167	Dissociation energy of 3D-polymeric C[sub 60]: Calorimetry study and structural analysis. AIP Conference Proceedings, 2001, , .	0.4	0
168	13C NMR on intercalated 2D-polymerised C60 and modified peapods. AIP Conference Proceedings, 2004, , .	0.4	0
169	High-Pressure Studies of the Rotor-Stator Compound C60-Cubane. Materials Research Society Symposia Proceedings, 2006, 987, 1.	0.1	0
170	High Pressure and High Temperature Induced Polymeric C60 Nanorods and Their Photoluminescence Properties. Materials Research Society Symposia Proceedings, 2006, 987, 1.	0.1	0
171	Low Temperature Phase Diagram of NH3BH3. Materials Research Society Symposia Proceedings, 2011, 1309, 101.	0.1	0
172	Ordered Amorphous Carbon: New Ordered Structure of Amorphous Carbon Clusters Induced by Fullerene-Cubane Reactions (Adv. Mater. 22/2018). Advanced Materials, 2018, 30, 1870156.	21.0	0