Bertil Sundqvist

List of Publications by Citations

166 papers	4,444 citations	32 h-index	60 g-index
173 ext. papers	4,765 ext. citations	4.8 avg, IF	5.54 L-index

#	Paper	IF	Citations
166	Magnetic carbon. *Nature*, **2001**, 413, 716-8	50.4	486
165	Fullerenes under high pressures. *Advances in Physics*, **1999**, 48, 1-134	18.4	310
164	High-pressure polymerized phases of C 60. *Carbon*, **1998**, 36, 319-343	10.4	245
163	Thermal conductivity of solids and liquids under pressure. *Reports on Progress in Physics*, **1984**, 47, 1347-1402	14	218
162	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	180
161	Synthesis of Thin, Rectangular C60 Nanorods Using m-Xylene as a Shape Controller. *Advanced Materials*, **2006**, 18, 1883-1888	24	163
160	Highly Enhanced Luminescence from Single-Crystalline C60 m-xylene Nanorods. *Chemistry of Materials*, **2006**, 18, 4190-4194	9.6	104
159	Topochemical polymerization of C70 controlled by monomer crystal packing. *Science*, **2001**, 293, 680-3	33.3	92
158	First X-ray diffraction analysis of pressure polymerized C 60 single crystals. *Europhysics Letters*, **1997**, 40, 55-60	1.6	75
157	Raman signature to identify the structural transition of single-wall carbon nanotubes under high pressure. *Physical Review B*, **2008**, 78,	3.3	71
156	Novel Superhard sp^{3} Carbon Allotrope from Cold-Compressed C_{70} Peapods. *Physical Review Letters*, **2017**, 118, 245701	7.4	69
155	Synthesis and growth mechanism of differently shaped C60 nano/microcrystals produced by evaporation of various aromatic C60 solutions. *Carbon*, **2009**, 47, 1181-1188	10.4	68
154	Polymeric Fullerene Phases Formed Under Pressure. *Structure and Bonding*, **2004**, 85-126	0.9	60
153	Thermal diffusivity and thermal conductivity of Chromel, Alumel, and Constantan in the range 100 450 K. *Journal of Applied Physics*, **1992**, 72, 539-545	2.5	57
152	Thermal conductivity of highly crystallized polyethylene. *Polymer*, **2014**, 55, 195-200	3.9	56
151	Conduction mechanisms in some graphite polymer composites: Effects of temperature and hydrostatic pressure. *Journal of Applied Physics*, **1998**, 83, 1410-1419	2.5	53
150	C60 one- and two-dimensional polymers, dimers, and hard fullerite: Thermal expansion, anharmonicity, and kinetics of depolymerization. *Physical Review B*, **1999**, 60, 16920-16927	3.3	48

149	Phase Transitions in Graphite Oxide Solvates at Temperatures Near Ambient. *Journal of Physical Chemistry Letters*, **2012**, 3, 812-7	6.4	47
148	Selective Intercalation of Graphite Oxide by Methanol in Water/Methanol Mixtures. *Journal of Physical Chemistry C*, **2013**, 117, 1963-1968	3.8	45
147	Compressibility of C 60 between 150 and 335 K and up to 1 GPa. *Europhysics Letters*, **1994**, 27, 463-466	1.6	42
146	Electrical resistivity of single-crystal graphite under pressure: An anisotropic three-dimensional semimetal. *Physical Review B*, **1998**, 57, 6227-6230	3.3	40
145	Rotational dynamics of confined C60 from near-infrared Raman studies under high pressure. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 22135-8	11.5	37
144	Pressure-induced structural phase transition in NaBH4. *Physical Review B*, **2005**, 72,	3.3	36
143	Phase diagram, structure, and disorder in C60 below 300 K and 1 GPa. *Solid State Communications*, **1995**, 93, 109-112	1.6	36
142	Negative thermal expansion of fullerite C60 at liquid helium temperatures. *Low Temperature Physics*, **1997**, 23, 943-946	0.7	34
141	Electron band structure, resistivity, and the electron-phonon interaction for niobium under pressure. *Physical Review B*, **1983**, 28, 629-637	3.3	34
140	On the polyamorphism of fullerite-based orientational glasses. *Low Temperature Physics*, **2005**, 31, 429-444	0.7	33
139	Compressibility of C60 in the temperature range 150-335 K up to a pressure of 1 GPa. *Physical Review B*, **1996**, 53, 8329-8336	3.3	33
138	A low-temperature high-pressure apparatus with a temperature control system. *High Pressure Research*, **1992**, 10, 599-605	1.6	33
137	Thermal properties of two low viscosity silicon oils as functions of temperature and pressure. *Journal of Applied Physics*, **1982**, 53, 8751-8755	2.5	33
136	High-temperature superconductivity in sulfur hydride evidenced by alternating-current magnetic susceptibility. *National Science Review*, **2019**, 6, 713-718	10.8	32
135	High-pressure-induced metastable phase in tetragonal 2D polymeric C60. *Chemical Physics Letters*, **2001**, 341, 435-441	2.5	32
134	A Raman study of polymerised C60. *Applied Physics A: Materials Science and Processing*, **1997**, 64, 223-226	2.6	31
133	Tailoring Building Blocks and Their Boundary Interaction for the Creation of New, Potentially Superhard, Carbon Materials. *Advanced Materials*, **2015**, 27, 3962-8	24	30
132	Low-temperature thermal expansion of pure and inert-gas-doped fullerite C60. *Low Temperature Physics*, **2003**, 29, 324-332	0.7	30

131	Raman study of the two-dimensional polymers Na4C60 and tetragonal C60. *Physical Review B*, **2002**, 65,	3.3	30
130	Thermal conductivity of C60 at pressures up to 1 GPa and temperatures in the 50-300 K range. *Physical Review B*, **1996**, 54, 3093-3100	3.3	30
129	Single-crystal structural study of the pressure-temperature-induced dimerization of C60. *European Physical Journal B*, **2003**, 37, 25-37	1.2	29
128	Pressure-induced transformation and superhard phase in fullerenes: The effect of solvent intercalation. *Applied Physics Letters*, **2013**, 103, 071913	3.4	28
127	Radial thermal expansion of pure and Xe-saturated bundles of single-walled carbon nanotubes at low temperatures. *Low Temperature Physics*, **2009**, 35, 484-490	0.7	28
126	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	3.9	28
125	Compressibility and Structure of C 70. *Europhysics Letters*, **1995**, 30, 469-474	1.6	28
124	Pressure-Induced Phase Transitions of C70 Nanotubes. *Journal of Physical Chemistry C*, **2011**, 115, 8918-8922	3.8	27
123	Discriminated structural behaviour of C 60 and C 70 peapods under extreme conditions. *Europhysics Letters*, **2007**, 79, 56003	1.6	27
122	Resistivity of high-Tc superconductors: Linear in T at constant P, non-linear at constant V. *Solid State Communications*, **1990**, 76, 1019-1022	1.6	27
121	Carbon under pressure. *Physics Reports*, **2021**, 909, 1-73	27.7	27
120	The specific heat and the radial thermal expansion of bundles of single-walled carbon nanotubes. *Low Temperature Physics*, **2012**, 38, 523-528	0.7	26
119	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	3.3	25
118	Radial thermal expansion of single-walled carbon nanotube bundles at low temperatures. *Low Temperature Physics*, **2008**, 34, 678-679	0.7	24
117	Polymerization of the rotor-stator compound C60-cubane under pressure. *Physical Review B*, **2007**, 75,	3.3	24
116	Pressure dependence of the electron-phonon interaction and the normal-state resistivity. *Physical Review B*, **1981**, 24, 144-154	3.3	24
115	Thermal conduction of metals under pressure. *Review of Scientific Instruments*, **1976**, 47, 177-182	1.7	24
114	Raman spectroscopy study of carbon nanotube peapods excited by near-IR laser under high pressure. *Physical Review B*, **2007**, 76,	3.3	23

113	Uniaxial-stress-driven transformation in cold compressed glassy carbon. *Applied Physics Letters*, **2017**, 111, 101901	3.4	22
112	Structural Breathing of Graphite Oxide Pressurized in Basic and Acidic Solutions.. *Journal of Physical Chemistry Letters*, **2011**, 2, 309-313	6.4	22
111	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		21
110	Ultrahard bulk amorphous carbon from collapsed fullerene. *Nature*, **2021**, 599, 599-604	50.4	21
109	Thermal expansion and polyamorphism of N2□C60 solutions. *Low Temperature Physics*, **2006**, 32, 695-699	0.7	20
108	Interaction between C60 and gases under pressure. *Low Temperature Physics*, **2003**, 29, 440-444	0.7	20
107	A high-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	20
106	Mapping intermolecular bonding in C□*Scientific Reports*, **2014**, 4, 6171	4.9	19
105	Electric resistance of single-walled carbon nanotubes under hydrostatic pressure. *Solid State Communications*, **2001**, 118, 31-36	1.6	19
104	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	2.5	19
103	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		19
102	Lattice vibrations and thermodynamic stability of polymerized C60 deduced from heat capacities. *Journal of Chemical Physics*, **1999**, 110, 12226-12232	3.9	18
101	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	2.3	18
100	Decompression-Induced Diamond Formation from Graphite Sheared under Pressure. *Physical Review Letters*, **2020**, 124, 065701	7.4	17
99	Thermal Conductivity and Phase Diagrams of Some Potential Hydrogen Storage Materials Under Pressure. *International Journal of Thermophysics*, **2009**, 30, 1118-1129	2.1	17
98	Pressure-induced transformation in Na4C60 polymer: X-ray diffraction and Raman scattering experiments. *Physical Review B*, **2011**, 84,	3.3	17
97	Phase coexistence and hysteresis effects in the pressure-temperature phase diagram of NH3BH3. *Physical Review B*, **2011**, 84,	3.3	17
96	Electrical resistance of nickel in the range 300-725 K and 0-2 GPa. *Physical Review B*, **1988**, 38, 12283-12289	3.7	17

95	Measurement of the pressure dependence of the electron-photon interaction in aluminium. *Journal of Physics F: Metal Physics*, **1979**, 9, L161-L166		17
94	Quasi 3D polymerization in C60 bilayers in a fullerene solvate. *Carbon*, **2017**, 124, 499-505	10.4	16
93	Specific features of thermal expansion and polyamorphism in CH4□C60 solutions at low temperatures. *Low Temperature Physics*, **2007**, 33, 1068-1072	0.7	16
92	Buckyballs under Pressure. *Physica Status Solidi (B): Basic Research*, **2001**, 223, 469-477	1.3	16
91	In situ Raman and photoluminescence study on pressure-induced phase transition in C60 nanotubes. *Journal of Raman Spectroscopy*, **2012**, 43, 737-740	2.3	15
90	High temperature Luttinger liquid conductivity in carbon nanotube bundles. *Applied Physics Letters*, **2010**, 97, 072106	3.4	15
89	Low-temperature thermal expansion of fullerite C60 alloyed with argon and neon. *Low Temperature Physics*, **2001**, 27, 1033-1036	0.7	15
88	Resistivity, bandstructure and superconductivity of DHCP and FCC La under pressure. *Journal of Physics Condensed Matter*, **1989**, 1, 8407-8424	1.8	15
87	New Ordered Structure of Amorphous Carbon Clusters Induced by Fullerene-Cubane Reactions. *Advanced Materials*, **2018**, 30, e1706916	24	14
86	High pressure and high temperature induced polymerization of C60 nanotubes. *CrystEngComm*, **2011**, 13, 3600	3.3	14
85	Intercalation of fullerite C60 with N2 molecules. An investigation by x-ray powder diffraction. *Low Temperature Physics*, **2007**, 33, 881-885	0.7	14
84	Photoluminescence properties of high-pressure-polymerized C60 nanorods in the orthorhombic and tetragonal phases. *Applied Physics Letters*, **2006**, 89, 181925	3.4	14
83	Influence of dissolved oxygen on the thermal expansion and polyamorphism of fullerite C60. *Low Temperature Physics*, **2007**, 33, 465-471	0.7	14
82	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	2.5	14
81	Thermal expansion of solutions of deuteromethane in fullerite C60 at low temperatures. Isotopic effect. *Low Temperature Physics*, **2009**, 35, 226-231	0.7	13
80	High-pressure study of NaAlH4 by Raman spectroscopy up to 17 GPa. *High Pressure Research*, **2006**, 26, 165-173	1.6	13
79	Thermal expansion of single-crystal fullerite C60 at liquid-helium temperatures. *Low Temperature Physics*, **2000**, 26, 75-80	0.7	13
78	Polarized Raman Study of Aligned Multiwalled Carbon Nanotubes Arrays under High Pressure. *Journal of Physical Chemistry C*, **2015**, 119, 27759-27767	3.8	12

77	Solvation of graphite oxide in water–ethanol binary polar solvents. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2568-2571	1.3	12
76	The effect of sorbed hydrogen on low-temperature radial thermal expansion of single-walled carbon nanotube bundles. *Low Temperature Physics*, **2009**, 35, 939-943	0.7	12
75	High pressure and high temperature induced polymerization of doped C 60 materials. *Carbon*, **2016**, 109, 269-275	10.4	12
74	Negative Volume Compressibility in ScN@C-Cubane Cocrystal with Charge Transfer. *Journal of the American Chemical Society*, **2020**, 142, 7584-7590	16.4	11
73	Reversible pressure-induced polymerization of Fe(C5H5)2 doped C70. *Carbon*, **2013**, 62, 447-454	10.4	11
72	Self-heating of metallic carbon nanotube bundles in the regime of the Luttinger-liquid conductivity. *Low Temperature Physics*, **2011**, 37, 710-717	0.7	11
71	Low temperature calibration of Manganin pressure gauges. *Review of Scientific Instruments*, **1997**, 68, 1344-1345	1.7	11
70	Effect of argon on the thermal expansion of fullerite C60 at helium temperatures. *Low Temperature Physics*, **2001**, 27, 245-246	0.7	11
69	Thermal conductivity and Lorenz function of zinc under pressure. *International Journal of Thermophysics*, **1988**, 9, 577-585	2.1	11
68	Pressure induced metastable polymerization in doped C60 materials. *Carbon*, **2017**, 115, 740-745	10.4	10
67	Effect of high pressure on electrical transport in the Li4C60 fulleride polymer from 100 to 400 K. *Physical Review B*, **2010**, 81,	3.3	10
66	Pressure Dependent Electrical Conductivity of Polypyrrole. *Molecular Crystals and Liquid Crystals*, **1985**, 118, 155-158		10
65	Quantum effects in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with He4. *Low Temperature Physics*, **2010**, 36, 635-637	0.7	9
64	Low-temperature radial thermal expansion of single-walled carbon nanotube bundles saturated with nitrogen. *Low Temperature Physics*, **2010**, 36, 365-369	0.7	9
63	Spectroscopic study of phase transformations between orthorhombic and tetragonal C60 polymers. *European Physical Journal B*, **2006**, 49, 59-65	1.2	9
62	Enhanced thermal dissociation of optically excited C 60 chains. *Europhysics Letters*, **2000**, 49, 631-636	1.6	9
61	The effect of the noncentral impurity–matrix interaction upon the thermal expansion and polyamorphism of CO–C60 solid solutions at low temperatures. *Low Temperature Physics*, **2008**, 34, 470-475	0.7	8
60	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	1	8

59	Resistivity saturation in fcc La under high pressure. *Physical Review Letters*, **1992**, 69, 2693-2696	7.4	8
58	Molecular insertion regulates the donor-acceptor interactions in cocrystals for the design of piezochromic luminescent materials. *Nature Communications*, **2021**, 12, 4084	17.4	8
57	The low-temperature heat capacity of fullerite C60. *Low Temperature Physics*, **2015**, 41, 630-636	0.7	7
56	Electrical transport properties of A 4C60 (A=Li, Na, and Rb) under pressure. *High Pressure Research*, **2008**, 28, 597-600	1.6	7
55	Photoluminescence changes of C nano/submicro-crystals induced by high pressure and high temperature. *Scientific Reports*, **2016**, 6, 38470	4.9	7
54	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	3.9	6
53	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	6.6	6
52	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	1.3	6
51	Low-temperature heat capacity of fullerite C60 doped with nitrogen. *Low Temperature Physics*, **2006**, 32, 967-969	0.7	6
50	Pressure-induced ferromagnetism of fullerenes. *High Pressure Research*, **2003**, 23, 135-141	1.6	6
49	Improving thermal insulation in high-pressure experiments. *Review of Scientific Instruments*, **1998**, 69, 3433-3434	1.7	6
48	Thermal diffusivity measurements by Ångström's method in a fluid environment. *International Journal of Thermophysics*, **1991**, 12, 191-206	2.1	6
47	High-pressure properties of high-TC superconductor samples produced by hot isostatic pressing. *High Pressure Research*, **1990**, 3, 123-125	1.6	6
46	Thermal diffusivity measurements under hydrostatic pressure. *Review of Scientific Instruments*, **1981**, 52, 1061-1063	1.7	6
45	Intermolecular bonding in C70 at high pressure and temperature. *Carbon*, **2017**, 125, 258-268	10.4	5
44	Raman identification of C 70 monomers and dimers. *Diamond and Related Materials*, **2017**, 73, 143-147	3.5	5
43	Ac impedance of A4C60fullerides under pressure. *New Journal of Physics*, **2015**, 17, 023010	2.9	5
42	Low-temperature heat capacity of fullerite C60 doped with deuteromethane. *Low Temperature Physics*, **2012**, 38, 67-73	0.7	5

41	Raman spectroscopy and X-ray diffraction studies of the single- and double-bonded two-dimensional polymers NanLi4C60. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 355-357	3.9	5
40	Low-temperature microhardness of Xe-intercalated fullerite C60. *Low Temperature Physics*, **2005**, 31, 454-458	0.7	5
39	La0.7Ca0.3-xSrxMnO3Manganites: Effect of Structure on the Magnetic and Transport Properties. *Journal of the Physical Society of Japan*, **2002**, 71, 927-929	1.5	5
38	Raman study of graphene nanoribbon analogs confined in single-walled carbon nanotubes and their high-pressure transformations. *Journal of Raman Spectroscopy*, **2017**, 48, 951-957	2.3	4
37	Ionic conductivity in three crystalline phases of LiBH4 under pressure. *High Pressure Research*, **2013**, 33, 141-151	1.6	4
36	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	0.7	4
35	The effect of O2 impurities on the low-temperature radial thermal expansion of bundles of closed single-walled carbon nanotubes. *Low Temperature Physics*, **2011**, 37, 343-346	0.7	4
34	Comment on Characteristics of silicone fluid as a pressure transmitting medium in diamond anvil cells[Rev. Sci. Instrum. 75, 4450 (2004)]. *Review of Scientific Instruments*, **2005**, 76, 057101	1.7	3
33	Can Two-Dimensional Fullerene Polymers Be Intercalated?. *Molecular Crystals and Liquid Crystals*, **2000**, 340, 677-682		3
32	Chain orientation and layer stacking in the high-pressure polymers of C60: Single crystal studies. *AIP Conference Proceedings*, **2000**,	0	3
31	Thermophysical Properties of C70 Up To 1 Gpa. *Materials Research Society Symposia Proceedings*, **1994**, 359, 555		3
30	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		3
29	Instability and thermal conductivity of pressure-densified and elastically altered orientational glass of Buckminsterfullerene. *Journal of Chemical Physics*, **2018**, 148, 144502	3.9	2
28	Low-temperature dynamics of matrix isolated methane molecules in fullerite C60: The heat capacity, isotope effects. *Low Temperature Physics*, **2014**, 40, 678-684	0.7	2
27	Electrical resistance of dysprosium under pressure. *Journal of Physics: Conference Series*, **2014**, 500, 182040	0.9	2
26	Detailed Mapping of Reaction Diagrams for Metastable Phases. *Materials Research Society Symposia Proceedings*, **2012**, 1519, 1		2
25	Pressure Effects in Granular La0.7Ca0.3SrxMnO3. *Physica Status Solidi A*, **2002**, 189, 281-285		2
24	SYNTHESIS OF SUPERHARD 3D-POLYMERIC C60 FULLERITES FROM RHOMBOHEDRAL 2D-POLYMER BY HIGH-PRESSURE HIGH-TEMPERATURE TREATMENT. *High Pressure Research*, **2003**, 23, 259-264	1.6	2

23	Electrical resistivity and critical temperature of Bi-based High-TC superconductors to 1 GPa. *High Pressure Research*, **1990**, 3, 120-122	1.6	2
22	The electrical resistance of La under pressure between 70 and 300 K. *High Pressure Research*, **1991**, 7, 250-252	1.6	2
21	Calorimetric measurements on Li4C60 and Na4C60. *Journal of Chemical Physics*, **2015**, 142, 164706	3.9	1
20	Complex Hydrides Studied by Raman Spectroscopy and Thermal Conductivity Measurements under High Pressure. *Materials Research Society Symposia Proceedings*, **2006**, 971, 1		1
19	2D polymerization and doping of fullerenes under pressure. *High Pressure Research*, **2000**, 18, 139-143	1.6	1
18	High-pressure synthesis, structural and Raman studies of a two-dimensional polymer crystal of. *European Physical Journal B*, **2000**, 15, 253-263	1.2	1
17	Twenty Years of Charge Transport Studies in Intercalated Graphite. *Molecular Crystals and Liquid Crystals*, **2000**, 340, 325-330		1
16	Fullerites and Hard Carbons **2001**, 3387-3395		1
15	Mechanical measurement of the transverse force on the moving vortices in superconductors. *European Physical Journal D*, **1996**, 46, 1727-1728		1
14	Simple electronic resistance bridge with □resolution at low current. *Review of Scientific Instruments*, **1985**, 56, 2166-2168	1.7	1
13	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	2.3	1
12	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	3.8	1
11	Structural and Vibrational Properties of Li- and Na-Doped Fullerene Polymers. *Fullerenes Nanotubes and Carbon Nanostructures*, **2005**, 12, 319-325	1.8	0
10	A piston-and-cylinder device for compressibility studies on polymers and other □soft□materials. *High Pressure Research*, **1994**, 13, 141-145	1.6	0
9	Anomalous phonon softening of G-band in compressed graphitic carbon nitride due to strong electrostatic repulsion. *Applied Physics Letters*, **2021**, 118, 023103	3.4	0
8	Resistivity saturation in crystalline metals: Semi-classical theory versus experiment. *Journal of Physics and Chemistry of Solids*, **2022**, 165, 110686	3.9	0
7	Low Temperature Phase Diagram of NH3BH3. *Materials Research Society Symposia Proceedings*, **2011**, 1309, 101		
6	High-Pressure Studies of the Rotor-Stator Compound C60-Cubane. *Materials Research Society Symposia Proceedings*, **2006**, 987, 1		

List of Publications

5 High Pressure and High Temperature Induced Polymeric C60 Nanorods and Their Photoluminescence Properties. *Materials Research Society Symposia Proceedings*, **2006**, 987, 1

4 Bromine Doped Single-walled Carbon Nanotubes. *Materials Research Society Symposia Proceedings*, **2000**, 633, 13361

3 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 Thermal Conductivity of C60 under High Pressure. *Materials Research Society Symposia Proceedings*, **1994**, 359, 549

1 Ordered Amorphous Carbon: New Ordered Structure of Amorphous Carbon Clusters Induced by Fullerene–Cubane Reactions (Adv. Mater. 22/2018). *Advanced Materials*, **2018**, 30, 1870156