

Bertil Sundqvist

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Resistivity saturation in crystalline metals: Semi-classical theory versus experiment. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 165, 110686	3.9	0
165	Ultrahard bulk amorphous carbon from collapsed fullerene. <i>Nature</i> , 2021 , 599, 599-604	50.4	21
164	Carbon under pressure. <i>Physics Reports</i> , 2021 , 909, 1-73	27.7	27
163	Correlation between weak localization effects and resistivity saturation in dilute Ti-Al alloys. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021 , 400, 127291	2.3	1
162	Molecular insertion regulates the donor-acceptor interactions in cocrystals for the design of piezochromic luminescent materials. <i>Nature Communications</i> , 2021 , 12, 4084	17.4	8
161	Anomalous phonon softening of G-band in compressed graphitic carbon nitride due to strong electrostatic repulsion. <i>Applied Physics Letters</i> , 2021 , 118, 023103	3.4	0
160	High Pressure and High Temperature Induced Polymerization of C60 Solvates: The Effect of Intercalated Aromatic Solvents. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 17155-17163	3.8	1
159	Decompression-Induced Diamond Formation from Graphite Sheared under Pressure. <i>Physical Review Letters</i> , 2020 , 124, 065701	7.4	17
158	Negative Volume Compressibility in ScN@C-Cubane Cocrystal with Charge Transfer. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7584-7590	16.4	11
157	High-temperature superconductivity in sulfur hydride evidenced by alternating-current magnetic susceptibility. <i>National Science Review</i> , 2019 , 6, 713-718	10.8	32
156	Instability and thermal conductivity of pressure-densified and elastically altered orientational glass of Buckminsterfullerene. <i>Journal of Chemical Physics</i> , 2018 , 148, 144502	3.9	2
155	New Ordered Structure of Amorphous Carbon Clusters Induced by Fullerene-Cubane Reactions. <i>Advanced Materials</i> , 2018 , 30, e1706916	24	14
154	Saturation and pressure effects on the resistivity of titanium and two Ti-Al alloys. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 122, 41-50	3.9	6
153	Ordered Amorphous Carbon: New Ordered Structure of Amorphous Carbon Clusters Induced by Fullerene-Cubane Reactions (Adv. Mater. 22/2018). <i>Advanced Materials</i> , 2018 , 30, 1870156	24	
152	Pressure induced metastable polymerization in doped C60 materials. <i>Carbon</i> , 2017 , 115, 740-745	10.4	10
151	Raman study of graphene nanoribbon analogs confined in single-walled carbon nanotubes and their high-pressure transformations. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 951-957	2.3	4
150	Intermolecular bonding in C70 at high pressure and temperature. <i>Carbon</i> , 2017 , 125, 258-268	10.4	5

149	Uniaxial-stress-driven transformation in cold compressed glassy carbon. <i>Applied Physics Letters</i> , 2017 , 111, 101901	3.4	22
148	Quasi 3D polymerization in C ₆₀ bilayers in a fullerene solvate. <i>Carbon</i> , 2017 , 124, 499-505	10.4	16
147	Novel Superhard sp ³ Carbon Allotrope from Cold-Compressed C ₇₀ Peapods. <i>Physical Review Letters</i> , 2017 , 118, 245701	7.4	69
146	Raman identification of C ₇₀ monomers and dimers. <i>Diamond and Related Materials</i> , 2017 , 73, 143-147	3.5	5
145	Photoluminescence changes of C nano/submicro-crystals induced by high pressure and high temperature. <i>Scientific Reports</i> , 2016 , 6, 38470	4.9	7
144	High pressure and high temperature induced polymerization of doped C ₆₀ materials. <i>Carbon</i> , 2016 , 109, 269-275	10.4	12
143	Polarized Raman Study of Aligned Multiwalled Carbon Nanotubes Arrays under High Pressure. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27759-27767	3.8	12
142	The low-temperature heat capacity of fullerite C ₆₀ . <i>Low Temperature Physics</i> , 2015 , 41, 630-636	0.7	7
141	Tailoring Building Blocks and Their Boundary Interaction for the Creation of New, Potentially Superhard, Carbon Materials. <i>Advanced Materials</i> , 2015 , 27, 3962-8	24	30
140	Calorimetric measurements on Li ₄ C ₆₀ and Na ₄ C ₆₀ . <i>Journal of Chemical Physics</i> , 2015 , 142, 164706	3.9	1
139	Ac impedance of A ₄ C ₆₀ fullerides under pressure. <i>New Journal of Physics</i> , 2015 , 17, 023010	2.9	5
138	Thermal conductivity of highly crystallized polyethylene. <i>Polymer</i> , 2014 , 55, 195-200	3.9	56
137	Low-temperature dynamics of matrix isolated methane molecules in fullerite C ₆₀ : The heat capacity, isotope effects. <i>Low Temperature Physics</i> , 2014 , 40, 678-684	0.7	2
136	Electrical resistance of dysprosium under pressure. <i>Journal of Physics: Conference Series</i> , 2014 , 500, 182049	0.7	2
135	Mapping intermolecular bonding in C ₆₀ . <i>Scientific Reports</i> , 2014 , 4, 6171	4.9	19
134	Reversible pressure-induced polymerization of Fe(C ₅ H ₅) ₂ doped C ₇₀ . <i>Carbon</i> , 2013 , 62, 447-454	10.4	11
133	Pressure-induced transformation and superhard phase in fullerenes: The effect of solvent intercalation. <i>Applied Physics Letters</i> , 2013 , 103, 071913	3.4	28
132	Selective Intercalation of Graphite Oxide by Methanol in Water/Methanol Mixtures. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 1963-1968	3.8	45

131	Ionic conductivity in three crystalline phases of LiBH ₄ under pressure. <i>High Pressure Research</i> , 2013 , 33, 141-151	1.6	4
130	Buckminsterfullerene: A Strong, Covalently Bonded, Reinforcing Filler and Reversible Cross-Linker in the Form of Clusters in a Polymer.. <i>ACS Macro Letters</i> , 2013 , 2, 511-517	6.6	6
129	Solvation of graphite oxide in water/ethanol binary polar solvents. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2568-2571	1.3	12
128	Low-temperature heat capacity of fullerite C ₆₀ doped with deuteromethane. <i>Low Temperature Physics</i> , 2012 , 38, 67-73	0.7	5
127	Phase Transitions in Graphite Oxide Solvates at Temperatures Near Ambient. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 812-7	6.4	47
126	In situ Raman and photoluminescence study on pressure-induced phase transition in C ₆₀ nanotubes. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 737-740	2.3	15
125	The specific heat and the radial thermal expansion of bundles of single-walled carbon nanotubes. <i>Low Temperature Physics</i> , 2012 , 38, 523-528	0.7	26
124	Detailed Mapping of Reaction Diagrams for Metastable Phases. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1519, 1		2
123	Structural Breathing of Graphite Oxide Pressurized in Basic and Acidic Solutions.. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 309-313	6.4	22
122	Low Temperature Phase Diagram of NH ₃ BH ₃ . <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1309, 101		
121	Self-heating of metallic carbon nanotube bundles in the regime of the Luttinger-liquid conductivity. <i>Low Temperature Physics</i> , 2011 , 37, 710-717	0.7	11
120	High pressure and high temperature induced polymerization of C ₆₀ nanotubes. <i>CrystEngComm</i> , 2011 , 13, 3600	3.3	14
119	Pressure-Induced Phase Transitions of C ₇₀ Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8918-8922	3.2	27
118	Pressure-induced transformation in Na ₄ C ₆₀ polymer: X-ray diffraction and Raman scattering experiments. <i>Physical Review B</i> , 2011 , 84,	3.3	17
117	Phase coexistence and hysteresis effects in the pressure-temperature phase diagram of NH ₃ BH ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	17
116	Quantum phenomena in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with ³ He. A giant isotope effect. <i>Low Temperature Physics</i> , 2011 , 37, 544-546	0.7	4
115	The effect of O ₂ impurities on the low-temperature radial thermal expansion of bundles of closed single-walled carbon nanotubes. <i>Low Temperature Physics</i> , 2011 , 37, 343-346	0.7	4
114	Quantum effects in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with He ⁴ . <i>Low Temperature Physics</i> , 2010 , 36, 635-637	0.7	9

113	Low-temperature radial thermal expansion of single-walled carbon nanotube bundles saturated with nitrogen. <i>Low Temperature Physics</i> , 2010 , 36, 365-369	0.7	9
112	Effect of high pressure on electrical transport in the Li ₄ C ₆₀ fulleride polymer from 100 to 400 K. <i>Physical Review B</i> , 2010 , 81,	3.3	10
111	High temperature Luttinger liquid conductivity in carbon nanotube bundles. <i>Applied Physics Letters</i> , 2010 , 97, 072106	3.4	15
110	The effect of sorbed hydrogen on low-temperature radial thermal expansion of single-walled carbon nanotube bundles. <i>Low Temperature Physics</i> , 2009 , 35, 939-943	0.7	12
109	Rotational dynamics of confined C ₆₀ from near-infrared Raman studies under high pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22135-8	11.5	37
108	Thermal Conductivity and Phase Diagrams of Some Potential Hydrogen Storage Materials Under Pressure. <i>International Journal of Thermophysics</i> , 2009 , 30, 1118-1129	2.1	17
107	Investigations of N@C ₆₀ and N@C ₇₀ stability under high pressure and high temperature conditions. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2767-2770	1.3	6
106	Synthesis and growth mechanism of differently shaped C ₆₀ nano/microcrystals produced by evaporation of various aromatic C ₆₀ solutions. <i>Carbon</i> , 2009 , 47, 1181-1188	10.4	68
105	Radial thermal expansion of pure and Xe-saturated bundles of single-walled carbon nanotubes at low temperatures. <i>Low Temperature Physics</i> , 2009 , 35, 484-490	0.7	28
104	Thermal expansion of solutions of deuteromethane in fullerite C ₆₀ at low temperatures. Isotopic effect. <i>Low Temperature Physics</i> , 2009 , 35, 226-231	0.7	13
103	Electrical transport properties of A ₄ C ₆₀ (A=Li, Na, and Rb) under pressure. <i>High Pressure Research</i> , 2008 , 28, 597-600	1.6	7
102	Raman signature to identify the structural transition of single-wall carbon nanotubes under high pressure. <i>Physical Review B</i> , 2008 , 78,	3.3	71
101	Radial thermal expansion of single-walled carbon nanotube bundles at low temperatures. <i>Low Temperature Physics</i> , 2008 , 34, 678-679	0.7	24
100	The effect of the noncentral impurity-matrix interaction upon the thermal expansion and polyamorphism of CO ₂ /C ₆₀ solid solutions at low temperatures. <i>Low Temperature Physics</i> , 2008 , 34, 470-475	0.7	8
99	Intercalation of fullerite C ₆₀ with N ₂ molecules. An investigation by x-ray powder diffraction. <i>Low Temperature Physics</i> , 2007 , 33, 881-885	0.7	14
98	Raman spectroscopy study of carbon nanotube peapods excited by near-IR laser under high pressure. <i>Physical Review B</i> , 2007 , 76,	3.3	23
97	Polymerization of the rotor-stator compound C ₆₀ -cubane under pressure. <i>Physical Review B</i> , 2007 , 75,	3.3	24
96	Influence of dissolved oxygen on the thermal expansion and polyamorphism of fullerite C ₆₀ . <i>Low Temperature Physics</i> , 2007 , 33, 465-471	0.7	14

95	Discriminated structural behaviour of C 60 and C 70 peapods under extreme conditions. <i>Europhysics Letters</i> , 2007 , 79, 56003	1.6	27
94	Specific features of thermal expansion and polyamorphism in CH ₄ ∕C ₆₀ solutions at low temperatures. <i>Low Temperature Physics</i> , 2007 , 33, 1068-1072	0.7	16
93	Synthesis of Thin, Rectangular C ₆₀ Nanorods Using m-Xylene as a Shape Controller. <i>Advanced Materials</i> , 2006 , 18, 1883-1888	24	163
92	High-Pressure Studies of the Rotor-Stator Compound C ₆₀ -Cubane. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 987, 1		
91	Complex Hydrides Studied by Raman Spectroscopy and Thermal Conductivity Measurements under High Pressure. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 971, 1		1
90	High Pressure and High Temperature Induced Polymeric C ₆₀ Nanorods and Their Photoluminescence Properties. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 987, 1		
89	Photoluminescence properties of high-pressure-polymerized C ₆₀ nanorods in the orthorhombic and tetragonal phases. <i>Applied Physics Letters</i> , 2006 , 89, 181925	3.4	14
88	High-pressure study of NaAlH ₄ by Raman spectroscopy up to 17 GPa. <i>High Pressure Research</i> , 2006 , 26, 165-173	1.6	13
87	Highly Enhanced Luminescence from Single-Crystalline C ₆₀ ∕m-xylene Nanorods. <i>Chemistry of Materials</i> , 2006 , 18, 4190-4194	9.6	104
86	Thermal expansion and polyamorphism of N ₂ ∕C ₆₀ solutions. <i>Low Temperature Physics</i> , 2006 , 32, 695-699	0.7	20
85	Low-temperature heat capacity of fullerite C ₆₀ doped with nitrogen. <i>Low Temperature Physics</i> , 2006 , 32, 967-969	0.7	6
84	Spectroscopic study of phase transformations between orthorhombic and tetragonal C ₆₀ polymers. <i>European Physical Journal B</i> , 2006 , 49, 59-65	1.2	9
83	Low-temperature microhardness of Xe-intercalated fullerite C ₆₀ . <i>Low Temperature Physics</i> , 2005 , 31, 454-458	0.7	5
82	On the polyamorphism of fullerite-based orientational glasses. <i>Low Temperature Physics</i> , 2005 , 31, 429-444	0.7	33
81	Pressure-induced structural phase transition in NaBH ₄ . <i>Physical Review B</i> , 2005 , 72,	3.3	36
80	Structural and Vibrational Properties of Li- and Na-Doped Fullerene Polymers. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005 , 12, 319-325	1.8	0
79	Comment on ∕characteristics of silicone fluid as a pressure transmitting medium in diamond anvil cells∕[Rev. Sci. Instrum. 75, 4450 (2004)]. <i>Review of Scientific Instruments</i> , 2005 , 76, 057101	1.7	3
78	Polymeric Fullerene Phases Formed Under Pressure. <i>Structure and Bonding</i> , 2004 , 85-126	0.9	60

77	Structural aspects of two-dimensional polymers: Li ₄ C ₆₀ , Na ₄ C ₆₀ and tetragonal C ₆₀ . Raman spectroscopy and X-ray diffraction. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 317-320	3.9	28
76	Raman spectroscopy and X-ray diffraction studies of the single- and double-bonded two-dimensional polymers NaLi ₄ C ₆₀ . <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 355-357	3.9	5
75	Interaction between C ₆₀ and gases under pressure. <i>Low Temperature Physics</i> , 2003 , 29, 440-444	0.7	20
74	Low-temperature thermal expansion of pure and inert-gas-doped fullerite C ₆₀ . <i>Low Temperature Physics</i> , 2003 , 29, 324-332	0.7	30
73	Single-crystal structural study of the pressure-temperature-induced dimerization of C ₆₀ . <i>European Physical Journal B</i> , 2003 , 37, 25-37	1.2	29
72	SYNTHESIS OF SUPERHARD 3D-POLYMERIC C ₆₀ FULLERITES FROM RHOMBOHEDRAL 2D-POLYMER BY HIGH-PRESSURE-HIGH-TEMPERATURE TREATMENT. <i>High Pressure Research</i> , 2003 , 23, 259-264	1.6	2
71	Pressure-induced ferromagnetism of fullerenes. <i>High Pressure Research</i> , 2003 , 23, 135-141	1.6	6
70	Pressure Effects in Granular La _{0.7} Ca _{0.3} Sr _x MnO ₃ . <i>Physica Status Solidi A</i> , 2002 , 189, 281-285		2
69	Pressure-induced transformations and optical properties of the two-dimensional tetragonal polymer of C ₆₀ at pressures up to 30 GPa. <i>Journal of Experimental and Theoretical Physics</i> , 2002 , 95, 736-747		8
68	Raman study of the two-dimensional polymers Na ₄ C ₆₀ and tetragonal C ₆₀ . <i>Physical Review B</i> , 2002 , 65,	3.3	30
67	La _{0.7} Ca _{0.3-x} Sr _x MnO ₃ Manganites: Effect of Structure on the Magnetic and Transport Properties. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 927-929	1.5	5
66	Low-temperature thermal expansion of fullerite C ₆₀ alloyed with argon and neon. <i>Low Temperature Physics</i> , 2001 , 27, 1033-1036	0.7	15
65	Effect of argon on the thermal expansion of fullerite C ₆₀ at helium temperatures. <i>Low Temperature Physics</i> , 2001 , 27, 245-246	0.7	11
64	Electric resistance of single-walled carbon nanotubes under hydrostatic pressure. <i>Solid State Communications</i> , 2001 , 118, 31-36	1.6	19
63	Buckyballs under Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2001 , 223, 469-477	1.3	16
62	High-pressure-induced metastable phase in tetragonal 2D polymeric C ₆₀ . <i>Chemical Physics Letters</i> , 2001 , 341, 435-441	2.5	32
61	Magnetic carbon. <i>Nature</i> , 2001 , 413, 716-8	50.4	486
60	Topochemical polymerization of C ₇₀ controlled by monomer crystal packing. <i>Science</i> , 2001 , 293, 680-3	33.3	92

59	Fullerites and Hard Carbons 2001 , 3387-3395		1
58	Thermal expansion of single-crystal fullerite C60 at liquid-helium temperatures. <i>Low Temperature Physics</i> , 2000 , 26, 75-80	0.7	13
57	2D polymerization and doping of fullerenes under pressure. <i>High Pressure Research</i> , 2000 , 18, 139-143	1.6	1
56	Bromine Doped Single-walled Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 633, 13361		
55	High-pressure synthesis, structural and Raman studies of a two-dimensional polymer crystal of. <i>European Physical Journal B</i> , 2000 , 15, 253-263	1.2	1
54	Twenty Years of Charge Transport Studies in Intercalated Graphite. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 325-330		1
53	Enhanced thermal dissociation of optically excited C 60 chains. <i>Europhysics Letters</i> , 2000 , 49, 631-636	1.6	9
52	Can Two-Dimensional Fullerene Polymers Be Intercalated?. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 677-682		3
51	Chain orientation and layer stacking in the high-pressure polymers of C60: Single crystal studies. <i>AIP Conference Proceedings</i> , 2000 ,	0	3
50	Lattice vibrations and thermodynamic stability of polymerized C60 deduced from heat capacities. <i>Journal of Chemical Physics</i> , 1999 , 110, 12226-12232	3.9	18
49	C60 one- and two-dimensional polymers, dimers, and hard fullerite: Thermal expansion, anharmonicity, and kinetics of depolymerization. <i>Physical Review B</i> , 1999 , 60, 16920-16927	3.3	48
48	Fullerenes under high pressures. <i>Advances in Physics</i> , 1999 , 48, 1-134	18.4	310
47	High-pressure polymerized phases of C 60. <i>Carbon</i> , 1998 , 36, 319-343	10.4	245
46	Electrical resistivity of single-crystal graphite under pressure: An anisotropic three-dimensional semimetal. <i>Physical Review B</i> , 1998 , 57, 6227-6230	3.3	40
45	Conduction mechanisms in some graphite-polymer composites: Effects of temperature and hydrostatic pressure. <i>Journal of Applied Physics</i> , 1998 , 83, 1410-1419	2.5	53
44	Improving thermal insulation in high-pressure experiments. <i>Review of Scientific Instruments</i> , 1998 , 69, 3433-3434	1.7	6
43	Low temperature calibration of Manganin pressure gauges. <i>Review of Scientific Instruments</i> , 1997 , 68, 1344-1345	1.7	11
42	First X-ray diffraction analysis of pressure polymerized C 60 single crystals. <i>Europhysics Letters</i> , 1997 , 40, 55-60	1.6	75

41	Negative thermal expansion of fullerite C60 at liquid helium temperatures. <i>Low Temperature Physics</i> , 1997 , 23, 943-946	0.7	34
40	A Raman study of polymerised C60. <i>Applied Physics A: Materials Science and Processing</i> , 1997 , 64, 223-226.	6.6	31
39	Mechanical measurement of the transverse force on the moving vortices in superconductors. <i>European Physical Journal D</i> , 1996 , 46, 1727-1728		1
38	Thermal conductivity of C60 at pressures up to 1 GPa and temperatures in the 50-300 K range. <i>Physical Review B</i> , 1996 , 54, 3093-3100	3.3	30
37	Compressibility of C60 in the temperature range 150-335 K up to a pressure of 1 GPa. <i>Physical Review B</i> , 1996 , 53, 8329-8336	3.3	33
36	Phase diagram, structure, and disorder in C60 below 300 K and 1 GPa. <i>Solid State Communications</i> , 1995 , 93, 109-112	1.6	36
35	A study of temperature and pressure induced structural and electronic changes in SbCl5 intercalated graphite: Part IV. The basal plane resistivity. <i>Journal of Materials Research</i> , 1995 , 10, 1653-1660	2.5	25
34	Compressibility and Structure of C 70. <i>Europhysics Letters</i> , 1995 , 30, 469-474	1.6	28
33	Reorientational relaxation in C60 following a pressure induced change in the pentagon/hexagon equilibrium ratio. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995 , 206, 260-264	2.3	18
32	Compressibility of C 60 between 150 and 335 K and up to 1 GPa. <i>Europhysics Letters</i> , 1994 , 27, 463-466	1.6	42
31	A piston-and-cylinder device for compressibility studies on polymers and other soft materials. <i>High Pressure Research</i> , 1994 , 13, 141-145	1.6	0
30	Thermal Conductivity of C60 under High Pressure. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 359, 549		
29	Thermophysical Properties of C70 Up To 1 Gpa. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 359, 555		3
28	On The Relevance of Certain Transport-Structure Correlations IN SBCL5-Intercalated Graphite TO OUR Overall Understanding of GICc Axis Conductivity. <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 245, 61-66		3
27	A low-temperature high-pressure apparatus with a temperature control system. <i>High Pressure Research</i> , 1992 , 10, 599-605	1.6	33
26	A study of temperature and pressure induced structural and electronic changes in SbCl5 intercalated graphite: Part II. Experimental data for c-axis resistivity. <i>Journal of Materials Research</i> , 1992 , 7, 2989-3000	2.5	19
25	A study of temperature and pressure induced structural and electronic changes in SbCl5 intercalated graphite: Part I. Structural aspects. <i>Journal of Materials Research</i> , 1992 , 7, 2978-2988	2.5	14
24	Resistivity saturation in fcc La under high pressure. <i>Physical Review Letters</i> , 1992 , 69, 2693-2696	7.4	8

23	Thermal diffusivity and thermal conductivity of Chromel, Alumel, and Constantan in the range 100–500 K. <i>Journal of Applied Physics</i> , 1992 , 72, 539-545	2.5	57
22	Thermal diffusivity measurements by Egestrom's method in a fluid environment. <i>International Journal of Thermophysics</i> , 1991 , 12, 191-206	2.1	6
21	The electrical resistance of La under pressure between 70 and 300 K. <i>High Pressure Research</i> , 1991 , 7, 250-252	1.6	2
20	High-pressure properties of high-TC superconductor samples produced by hot isostatic pressing. <i>High Pressure Research</i> , 1990 , 3, 123-125	1.6	6
19	Electrical resistivity and critical temperature of Bi-based High-TC superconductors to 1 GPa. <i>High Pressure Research</i> , 1990 , 3, 120-122	1.6	2
18	Resistivity of high-Tc superconductors: Linear in T at constant P, non-linear at constant V. <i>Solid State Communications</i> , 1990 , 76, 1019-1022	1.6	27
17	Resistivity, bandstructure and superconductivity of DHCP and FCC La under pressure. <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 8407-8424	1.8	15
16	A high-pressure cell for electrical resistance measurements at hydrostatic pressures up to 8 GPa: Results for Bi, Ba, Ni, and Si. <i>Journal of Applied Physics</i> , 1989 , 65, 3943-3950	2.5	20
15	Thermal conductivity and Lorenz function of zinc under pressure. <i>International Journal of Thermophysics</i> , 1988 , 9, 577-585	2.1	11
14	Electrical resistance of nickel in the range 300-725 K and 0-2 GPa. <i>Physical Review B</i> , 1988 , 38, 12283-12289	3.9	17
13	Low T hydrostatic limits of n-pentane/iso-pentane mixture measured by a self-supporting Manganin pressure gauge. <i>Journal of Physics E: Scientific Instruments</i> , 1987 , 20, 984-986		21
12	Resistivity of a composite conducting polymer as a function of temperature, pressure, and environment: Applications as a pressure and gas concentration transducer. <i>Journal of Applied Physics</i> , 1986 , 60, 1074-1079	2.5	180
11	Pressure dependence of the electron-phonon interaction and Fermi-surface properties of Al, Au, bcc Li, Pb, and Pd. <i>Physical Review B</i> , 1985 , 32, 2200-2212	3.3	25
10	Simple electronic resistance bridge with μ resolution at low current. <i>Review of Scientific Instruments</i> , 1985 , 56, 2166-2168	1.7	1
9	Pressure Dependent Electrical Conductivity of Polypyrrole. <i>Molecular Crystals and Liquid Crystals</i> , 1985 , 118, 155-158		10
8	Thermal conductivity of solids and liquids under pressure. <i>Reports on Progress in Physics</i> , 1984 , 47, 1347-1402	4.02	218
7	Electron band structure, resistivity, and the electron-phonon interaction for niobium under pressure. <i>Physical Review B</i> , 1983 , 28, 629-637	3.3	34
6	Thermal properties of two low viscosity silicon oils as functions of temperature and pressure. <i>Journal of Applied Physics</i> , 1982 , 53, 8751-8755	2.5	33

5	Pressure dependence of the electron-phonon interaction and the normal-state resistivity. <i>Physical Review B</i> , 1981 , 24, 144-154	3.3	24
4	Thermal diffusivity measurements under hydrostatic pressure. <i>Review of Scientific Instruments</i> , 1981 , 52, 1061-1063	1.7	6
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