Malcolm I Mcmahon

List of Publications by Year
in descending order

183	6,681	44042	74108
papers	citations	48 h-index	75 g-index

187	187	187	3449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural complexity in ramp-compressed sodium to 480â€‰GPa. Nature Communications, 2022, 13, 2534.	5.8	14
2	High-pressure structure of praseodymium revisited: In search of a uniform structural phase sequence for the lanthanide elements. Physical Review B, 2022, 105, .	1.1	2
3	Atomistic investigation of cavitation and ablation in tantalum foils under irradiation with x-rays approaching 5 keV. Physical Review B, 2022, 106, .	1.1	2
4	The phase diagram of Ti-6Al-4V at high-pressures and high-temperatures. Journal of Physics Condensed Matter, 2021, 33, 154001.	0.7	12
5	Probing Extreme States of Matter using Ultra-Intense X-ray Radiation. Journal of Physics Condensed Matter, 2021, 34, .	0.7	4
6	X-ray Free Electron Laser-Induced Synthesis of Îµ-Iron Nitride at High Pressures. Journal of Physical Chemistry Letters, 2021, 12, 3246-3252.	2.1	14
7	High-pressure structural systematics in neodymium up to 302 GPa. Physical Review B, 2021, 103, .	1.1	8
8	Pressure-induced bcc-rhombohedral phase transition in vanadium metal. Physical Review B, 2021, 103, .	1.1	5
9	Novel experimental setup for megahertz X-ray diffraction in a diamond anvil cell at the High Energy Density (HED) instrument of the European X-ray Free-Electron Laser (EuXFEL). Journal of Synchrotron Radiation, 2021, 28, 688-706.	1.0	21
10	X-ray free electron laser heating of water and gold at high static pressure. Communications Materials, 2021, 2, .	2.9	9
11	Behavior of rubidium at over eightfold static compression. Physical Review B, 2021, 103, .	1.1	5
12	Nonexistence of the sâ˜f volume-collapse transition in solid gadolinium at pressure. Physical Review B, 2021, 104, .	1.1	1
13	Experimental and theoretical confirmation of an orthorhombic phase transition in niobium at high pressure and temperature. Communications Materials, 2020, 1, .	2.9	46
14	Structural phase transitions in yttrium up to 183 GPa. Physical Review B, 2020, 102, .	1.1	22
15	Thermomechanical response of thickly tamped targets and diamond anvil cells under pulsed hard x-ray irradiation. Journal of Applied Physics, 2020, 127, .	1.1	16
16	High-pressure structural systematics in samarium up to 222 GPa. Physical Review B, 2020, 101, .	1.1	14
17	Intense Reactivity in Sulfurâ€“Hydrogen Mixtures at High Pressure under X-ray Irradiation. Journal of Physical Chemistry Letters, 2020, 11, 1828-1834.	2.1	11
18	Synchrotron and FEL Studies of Matter at High Pressures. , 2020, , 1857-1896.		2

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19	The high-pressure, high-temperature phase diagram of cerium. Journal of Physics Condensed Matter, 2020, 32, 335401.	0.7	9
20	Structure and magnetism of collapsed lanthanide elements. Physical Review B, 2019, 100, .	1.1	16
21	Identification of Phase Transitions and Metastability in Dynamically Compressed Antimony Using Ultrafast X-Ray Diffraction. Physical Review Letters, 2019, 122, 255704.	2.9	36
22	Recovery of metastable dense Bi synthesized by shock compression. Applied Physics Letters, 2019, 114, 120601.	1.5	12
23	Coordination changes in liquid tin under shock compression determined using in situ femtosecond x-ray diffraction. Applied Physics Letters, 2019, 115, .	1.5	22
24	Distortions in the cubic primitive high-pressure phases of calcium. Journal of Physics Condensed Matter, 2019, 31, 065401.	0.7	3
25	Synchrotron and FEL Studies of Matter at High Pressures. , 2019, , 1-40.		0
26	Phase diagram of antimony up to 31 GPa and 835 K. Physical Review B, 2018, 97, .	1.1	9
27	Femtosecond diffraction studies of solid and liquid phase changes in shock-compressed bismuth. Scientific Reports, 2018, 8, 16927.	1.6	33
28	Diamond sculpting pushes extremes. Nature Materials, 2018, 17, 858-859.	13.3	7
29	High-pressure/high-temperature phase diagram of zinc. Journal of Physics Condensed Matter, 2018, 30, 295402.	0.7	20
30	Phase diagram of calcium at high pressure and high temperature. Physical Review Materials, 2018, 2, .	0.9	20
31	Ultrafast X-Ray Diffraction Studies of the Phase Transitions and Equation of State of Scandium Shock Compressed to 82ÂGPa. Physical Review Letters, 2017, 118, 025501.	2.9	50
32	Implementation of Hydrodynamic Simulation Code in Shock Experiment Design for Alkali Metals. Journal of Physics: Conference Series, 2017, 950, 042037.	0.3	1
33	Phase transitions in shock compressed bismuth identified using single photon energy dispersive X-ray diffraction (SPEDX). Journal of Physics: Conference Series, 2017, 950, 042038.	0.3	1
34	Thallium under extreme compression. Journal of Physics Condensed Matter, 2016, 28, 445401.	0.7	30
35	Pressure dependence of the structure and electronic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	1.1	21
36	One-dimensional chain melting in incommensurate potassium. Physical Review B, 2015, 91, .	1.1	25

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37	Direct Observation of Melting in Shock-Compressed Bismuth With Femtosecond X-ray Diffraction. Physical Review Letters, 2015, 115, 095701.	2.9	64
38	Diamonds on Diamond: structural studies at extreme conditions on the Diamond Light Source. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20130158.	1.6	6
39	The distorted-fcc phase of samarium. Journal of Physics: Conference Series, 2014, 500, 032009.	0.3	9
40	Incommensurate-to-incommensurate phase transition in Eu metal at high pressures. Physical Review B, 2014, 90, .	1.1	9
41	Investigations into rapid uniaxial compression of polycrystalline targets using femtosecond X-ray diffraction. Journal of Physics: Conference Series, 2014, 500, 112063.	0.3	3
42	The crystal structure of methane B at 8 GPaâ€"An Î±-Mn arrangement of molecules. Journal of Chemical Physics, 2014, 141, 234313.	1.2	18
43	High-pressure X-ray science on the ultimate storageÂring. Journal of Synchrotron Radiation, 2014, 21, 1077-1083.	1.0	9
44	Equation of state and high-pressure/high-temperature phase diagram of magnesium. Physical Review B, 2014, 90, .	1.1	69
45	In situ synchrotron X-ray diffraction in the laser-heated diamond anvil cell: Melting phenomena and synthesis of new materials. Coordination Chemistry Reviews, 2014, 277-278, 15-30.	9.5	37
46	Determining complex crystal structures from high pressure single-crystal diffraction data collected on synchrotron sources. High Pressure Research, 2013, 33, 485-500.	0.4	13
47	Phase transitions in europium at high pressures. High Pressure Research, 2013, 33, 158-164.	0.4	4
48	Observation of a reentrant phase transition in incommensurate potassium. Physical Review B, 2013, 88, .	1.1	20
49	Single-crystal diffraction at extreme conditions on synchrotron sources. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s199-s199.	0.3	0
50	Melting of potassium to 22 GPa. Journal of Physics: Conference Series, 2012, 377, 012040.	0.3	2
51	Experimental and theoretical study of Ti-6Al-4V to 220 GPa. Physical Review B, 2012, 85, .	1.1	16
52	Europium-IV: An Incommensurately Modulated Crystal Structure in the Lanthanides. Physical Review Letters, 2012, 109, 095503.	2.9	19
53	The Structure of Eu-III. Journal of Physics: Conference Series, 2012, 377, 012030.	0.3	6
54	High-pressure, high-temperature single-crystal study of Bi-IV. High Pressure Research, 2012, 32, 442-449.	0.4	19

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55	Extraordinarily complex crystal structure with mesoscopic patterning in barium at high pressure. Nature Materials, 2012, 11, 627-632.	13.3	43
56	Lattice Dynamics and Superconductivity in Cerium at High Pressure. Physical Review Letters, 2012, 108, 045502.	2.9	33
57	High-Pressure Crystallography. Topics in Current Chemistry, 2011, 315, 69-109.	4.0	15
58	Melting curve of potassium to 22 GPa. Physical Review B, 2011, 84, .	1.1	28
59	Crystal Structures of Dense Lithium: A Metal-Semiconductor-Metal Transition. Physical Review Letters, 2011, 106, 095502.	2.9	120
60	Cold melting and solid structures of dense lithium. Nature Physics, 2011, 7, 211-214.	6.5	233
61	An Experimental and Theoretical Multi-Mbar Study of Ti-6Al-4V. Materials Research Society Symposia Proceedings, 2011, 1369, 1.	0.1	2
62	Simple metal no more. Nature Materials, 2010, 9, 607-608.	13.3	10
63	High pressure structural studies of AgInTe₂. Journal of Physics: Conference Series, 2010, 215, 012008.	0.3	3
64	The distorted close-packed crystal structure of methane A. Journal of Chemical Physics, 2010, 133, 064504.	1.2	36
65	High pressure orthorhombic structure of CuInSe₂. Journal of Physics Condensed Matter, 2010, 22, 355801.	0.7	13
66	Single-crystal diffraction studies at multimegabar pressures. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s3-s3.	0.3	0
67	Single-crystal studies of incommensurate Na to 1.5 Mbar. Physical Review B, 2009, 79, .	1.1	53
68	Origin of the Incommensurate Modulation in Te-III and Fermi-Surface Nesting in a Simple Metal. Physical Review Letters, 2009, 102, 035501.	2.9	14
69	Observation of theoP8crystal structure in potassium at high pressure. Physical Review B, 2009, 80, .	1.1	43
70	Phase transitions in praseodymium up to 23 GPa: An x-ray powder diffraction study. Physical Review B, 2009, 80, .	1.1	19
71	The crystal structures of Î´ and Î´[sup â€‰âˆ—] nitrogen. Journal of Chemical Physics, 2009, 131, 104511.	1.2	36
72	Potassium under Pressure: A Pseudobinary Ionic Compound. Physical Review Letters, 2009, 103, 115501.	2.9	100

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73	On the structure of high-pressure high-temperature Î-O2. Journal of Chemical Physics, 2009, 130, 164516.	1.2	15
74	On the structures of the dense alkali metals. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s83-s83.	0.3	0
75	Structural Diversity of Sodium. Science, 2008, 320, 1054-1057.	6.0	150
76	Two million hours of science. Nature Materials, 2008, 7, 827-830.	13.3	14
77	Origin of incommensurate modulations in the high-pressure phosphorus IV phase. Physical Review B, 2008, 78, .	1.1	24
78	Publisher's Note: Incommensurate modulations of Bi-III and Sb-II [Phys. Rev. B75, 184114 (2007)]. Physical Review B, 2007, 75, .	1.1	0
79	Competition of Charge-Density Waves and Superconductivity in Sulfur. Physical Review Letters, 2007, 99, 155505.	2.9	46
80	Lattice Dynamics of Incommensurate Composite Rb-IV and a Realization of the Monatomic Linear Chain Model. Physical Review Letters, 2007, 99, 035501.	2.9	19
81	Incommensurate modulations of Bi-III and Sb-II. Physical Review B, 2007, 75, .	1.1	28
82	Structure of sodium above 100 GPa by single-crystal x-ray diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17297-17299.	3.3	75
83	Single crystal studies of pure elements at high pressure. Acta Crystallographica Section A: Foundations and Advances, 2007, 63, s57-s57.	0.3	0
84	Different incommensurate composite crystal structure for Sc-II. Physical Review B, 2006, 73, .	1.1	46
85	High-pressure structures and phase transformations in elemental metals. Chemical Society Reviews, 2006, 35, 943.	18.7	245
86	Observation of an O8 molecular lattice in the É› phase of solid oxygen. Nature, 2006, 443, 201-204.	13.7	156
87	Publisher's Note: Complex monoclinic superstructure in Sr-IV [Phys. Rev. B73, 144112 (2006)]. Physical Review B, 2006, 73, .	1.1	0
88	Composite incommensurate K-III and a commensurate form: Study of a high-pressure phase of potassium. Physical Review B, 2006, 74, .	1.1	61
89	Complex monoclinic superstructure in Sr-IV. Physical Review B, 2006, 73, .	1.1	25
90	Phase transitions in tellurium at high pressure and temperature. Physical Review B, 2006, 74, .	1.1	28

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91	X-ray diffraction study of diffuse scattering in incommensurate rubidium-IV. Physical Review B, 2006, 73, .	1.1	16
92	Resolution of the intermediate high pressure phase of PbTe. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c464-c464.	0.3	0
93	Structures from powders and poor-quality single crystals at high pressure. Journal of Synchrotron Radiation, 2005, 12, 549-553.	1.0	4
94	X-ray Diffraction Study of Liquid Cs up to 9.8ÂGPa. Physical Review Letters, 2005, 94, 125507.	2.9	63
95	Incommensurate sulfur above100GPa. Physical Review B, 2005, 71, .	1.1	55
96	Structure of the intermediate phase of PbTe at high pressure. Physical Review B, 2005, 71, .	1.1	70
97	Observation of a Wurtzite Form of Gallium Arsenide. Physical Review Letters, 2005, 95, 215505.	2.9	101
98	Single crystal studies using the 9.8 station at SRS Daresbury. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c133-c133.	0.3	0
99	Structures and phase transitions of CuInSe2under high pressure. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c464-c464.	0.3	0
100	Publisher's Note: Structural Complexity in Gallium under High Pressure: Relation to Alkali Elements [Phys. Rev. Lett.93, 205502 (2004)]. Physical Review Letters, 2004, 93, .	2.9	1
101	Confirmation of the incommensurate nature ofSeâ^'IVat pressures below70GPa. Physical Review B, 2004, 70, .	1.1	45
102	Bi1â^'xSbxunder high pressure: Effect of alloying on the incommensurate Bi-III type composite structure. Physical Review B, 2004, 69, .	1.1	18
103	Pressure-induced incommensurate-to-incommensurate phase transition in antimony. Physical Review B, 2004, 70, .	1.1	60
104	High-pressure structural studies of group-15 elements. High Pressure Research, 2004, 24, 319-356.	0.4	91
105	Incommensurate crystal structures in the elements at high pressure. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, .	0.4	40
106	Complex crystal structures of Te-II and Se-III at high pressure. Physical Review B, 2004, 70, .	1.1	60
107	Structural Complexity in Gallium under High Pressure: Relation to Alkali Elements. Physical Review Letters, 2004, 93, 205502.	2.9	69
108	Chain â€œMeltingâ€•in the Composite Rb-IV Structure. Physical Review Letters, 2004, 93, 055501.	2.9	44

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109	Novel structures in 'simple' metals. Acta Crystallographica Section A: Foundations and Advances, 2004, 60, s6-s6.	0.3	0
110	High Pressure Diffraction from Good Powders, Poor Powders and Poor Single Crystals. , 2004, , 1-20.		1
111	Large Structural Modulations in Incommensurate Te-III and Se-IV. Physical Review Letters, 2003, 91, 215502.	2.9	91
112	NEW RESULTS ON OLD PROBLEMS: THE USE OF SINGLE-CRYSTALS IN HIGH-PRESSURE STRUCTURAL STUDIES. High Pressure Research, 2003, 23, 289-299.	0.4	9
113	Search for interstitial electrons in the structure of Cs-IV. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c175-c175.	0.3	0
114	Complex metal structures at high pressures. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c178-c178.	0.3	0
115	Structure of Rb-III: Novel Modulated Stacking Structures in Alkali Metals. Physical Review Letters, 2002, 88, 155503.	2.9	84
116	Incommensurate modulations in the structure of Bi-III. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c178-c178.	0.3	0
117	High pressure structural studies on gallium. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c175-c175.	0.3	1
118	Complex Crystal Structure of Cesium-III. Physical Review Letters, 2001, 87, 255502.	2.9	89
119	Pressure Dependent Incommensuration in Rb-IV. Physical Review Letters, 2001, 87, 055501.	2.9	95
120	New high-pressure phase of GaSb. Physical Review B, 2001, 65, .	1.1	9
121	Observation of the incommensurate barium-IV structure in strontium phase V. Physical Review B, 2000, 61, 3135-3138.	1.1	95
122	Ba-IV-Type Incommensurate Crystal Structure in Group-V Metals. Physical Review Letters, 2000, 85, 4896-4899.	2.9	150
123	Self-Hosting Incommensurate Structure of Barium IV. Physical Review Letters, 1999, 83, 4081-4084.	2.9	157
124	Structure of the high-pressure phase III of iron sulfide. Physical Review B, 1999, 59, 9048-9052.	1.1	44
125	A new approach for indexing powder diffraction data based on whole-profile fitting and global optimization using a genetic algorithm. Journal of Synchrotron Radiation, 1999, 6, 87-92.	1.0	38
126	Chapter 3 Structural Transitions in the Group IV, III-V, and II-VI Semiconductors under Pressure. Semiconductors and Semimetals, 1998, 54, 145-246.	0.4	158

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127	Observation of a Simple-Cubic Phase of GaAs with a 16-Atom Basis (SC16). Physical Review Letters, 1998, 80, 5564-5567.	2.9	58
128	High Pressure Structures of Iron Sulphide.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 202-204.	0.1	3
129	Structures and Transitions in Strontium.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 236-238.	0.1	22
130	The High-Pressure Phases of GaAs and ZnTe.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 304-306.	0.1	1
131	Complex Structures of Cerium.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 313-315.	0.1	4
132	Measuring and Modelling Preferred Orientation in High-Pressure Powder Patterns.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 298-300.	0.1	0
133	On the Non-existence of Diatomic .BETA.-Tin as a High-pressure Structure and Structural Systematics of the II-VI,III-V and Group IV Semiconductors.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 379-381.	0.1	0
134	Observation of a Cinnabar Phase in GaAs at High Pressure. Physical Review Letters, 1997, 78, 3697-3700.	2.9	56
135	Nonexistence of the DiatomicÎ²-Tin Structure. Physical Review Letters, 1997, 79, 3668-3671.	2.9	84
136	Different Results for the Equilibrium Phases of Cerium above 5 GPa. Physical Review Letters, 1997, 78, 3884-3887.	2.9	74
137	New structural systematics in the IIâ€“VI, IIIâ€“V and group IV semiconductors at high pressure. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C530-C530.	0.3	85
138	Observation and Modelling of Preferred Orientation in Two-Dimensional Powder Patterns. Journal of Synchrotron Radiation, 1996, 3, 112-119.	1.0	11
139	New Structural Systematics in the IIâ€“VI, IIIâ€“V, and Groupâ€IV Semiconductors at High Pressure. Physica Status Solidi (B): Basic Research, 1996, 198, 389-402.	0.7	125
140	2-d data collection in high pressure powder diffraction studies-applications to semiconductors. High Pressure Research, 1996, 14, 277-286.	0.4	6
141	"Hidden" High-to-Low Cristobalite Type Transition in HgSe and HgTe at High Pressure. Physical Review Letters, 1996, 77, 1781-1784.	2.9	35
142	High-pressure crystal structure of HgTe-IV. Physical Review B, 1996, 53, 2163-2166.	1.1	35
143	Immaphase of germanium at âˆ¼80 GPa. Physical Review B, 1996, 53, R2907-R2909.	1.1	58
144	Identity of InSb-II and InSb-III. Physical Review Letters, 1996, 77, 663-666.	2.9	30

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145	Pressure dependence of the electron density in solid iodine by the maximum-entropy method. High Pressure Research, 1996, 14, 335-340.	0.4	12
146	2-D analysis of non-ideal powders using an image-plate detector. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C544-C544.	0.3	0
147	High-pressure structural studies of lanthanides. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C528-C528.	0.3	0
148	Ordered Superstructure of InSb-IV. Physical Review Letters, 1995, 74, 106-109.	2.9	38
149	Pressure evolution of the cinnabar phase of HgTe. Physical Review B, 1995, 51, 8731-8736.	1.1	56
150	Ordered Superstructure of InSb-IV. Physical Review Letters, 1995, 74, 2618-2618.	2.9	1
151	Phase transitions in CdTe to 28 GPa. Physical Review B, 1995, 51, 15723-15731.	1.1	67
152	Crystal-structure studies of II-VI semiconductors using angle-dispersive diffraction techniques with an image-plate detector. AIP Conference Proceedings, 1994, , .	0.3	6
153	Crystal structure of ZnTe III at 16 GPa. Physical Review Letters, 1994, 73, 1805-1808.	2.9	84
154	Structure of GaSb to 35 GPa. Physical Review B, 1994, 50, 13047-13050.	1.1	25
155	High-Pressure Powder Diffraction on Synchrotron Sources. Journal of Synchrotron Radiation, 1994, 1, 69-73.	1.0	99
156	Pressure dependence of theImmaphase of silicon. Physical Review B, 1994, 50, 739-743.	1.1	184
157	Crystal-structure studies of III-V and group IV semiconductors using angle-dispersive diffraction techniques with an image-plate detector. AIP Conference Proceedings, 1994, , .	0.3	2
158	New high-pressure phase of Si. Physical Review B, 1993, 47, 8337-8340.	1.1	223
159	Phase transitions in InSb at pressures up to 5 GPa. Physical Review B, 1993, 47, 35-54.	1.1	62
160	Observation of a high-pressure cinnabar phase in CdTe. Physical Review B, 1993, 48, 1314-1317.	1.1	51
161	Phase transitions in CdTe to 5 GPa. Physical Review B, 1993, 48, 16246-16251.	1.1	82
162	Stability and crystal structure of BC8 germanium. Physical Review B, 1993, 48, 9883-9886.	1.1	143

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163	Crystal structure of the cinnabar phase of HgTe. Physical Review B, 1993, 48, 13111-13114.	1.1	53
164	New Structural Results for the High-Pressure Phases of InSb. Japanese Journal of Applied Physics, 1993, 32, 1.	0.8	15
165	High-Pressure Powder Diffraction Using an Image-Plate Area Detector. Advances in X-ray Analysis, 1993, 37, 419-432.	0.0	0
166	An imaging plate system for highâ€pressure powder diffraction: The data processing side. Review of Scientific Instruments, 1992, 63, 700-703.	0.6	68
167	Crystal structure refinement at high pressures using angle-dispersive powder diffraction techniques. High Pressure Research, 1992, 9, 194-204.	0.4	3
168	The development of synchrotron x-ray area detectors for studying high pressure phase transitions. Phase Transitions, 1992, 39, 187-198.	0.6	7
169	Angle-dispersive powder diffraction at high pressure using an image-plate area detector. High Pressure Research, 1992, 8, 677-684.	0.4	12
170	Angleâ€dispersive powderâ€diffraction techniques for crystal structure refinement at high pressure. Review of Scientific Instruments, 1992, 63, 1039-1042.	0.6	59
171	High-pressure neutron-diffraction studies of KH₂PO₄-type phase transitions as T_ctends to ok. Ferroelectrics, 1991, 124, 355-360.	0.3	35
172	The effect of deuteration on the crystal structure of squaric acid (H2C4O4) in its ordered phase*. Zeitschrift FÃ¼r Kristallographie, 1991, 195, 231-239.	1.1	11
173	Deuteration and pressure effects on the crystal structure of paraelectric NH₄H₂PO₄*. Zeitschrift FÃ¼r Kristallographie, 1991, 195, 241-249.	1.1	2
174	The effect of deuteration on the crystal structure of squaric acid (H2C4O4) in its ordered phase. Zeitschrift Fur Kristallographie - Crystalline Materials, 1991, 195, 231-240.	0.4	1
175	Neutron-diffraction studies of the heavy-atom structure in h-ordering materials. Ferroelectrics, 1991, 124, 351-354.	0.3	3
176	Deuteration and pressure effects on the crystal structure of paraelectric NH₄H₂PO₄. Zeitschrift Fur Kristallographie - Crystalline Materials, 1991, 195, 241-250.	0.4	1
177	Geometric effects of deuteration on hydrogen-ordering phase transitions. Nature, 1990, 348, 317-319.	13.7	134
178	The effect of diffraction by the diamonds of a diamond-anvil cell on single-crystal sample intensities. Journal of Applied Crystallography, 1990, 23, 392-396.	1.9	48
179	Possible Disorder of the P Atom in KD 2 PO 4. Europhysics Letters, 1990, 13, 143-148.	0.7	20
180	High resolution X-ray diffraction studies at high pressures. High Pressure Research, 1990, 4, 402-404.	0.4	3

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181	High-pressure neutron diffraction studies of KH2PO4-type phase transitions. High Pressure Research, 1990, 4, 444-446.	0.4	1
182	Neutron-diffraction studies of the relationship between Tcand h-bond dimensions in H-ordering transitions. Ferroelectrics, 1990, 108, 277-282.	0.3	23
183	Neutron-diffraction studies of the geometric isotope effect in h-ordering transitions. Ferroelectrics, 1990, 108, 271-276.	0.3	17