

# Malcolm I McMahon

## List of Publications by Year in descending order

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183  
papers

6,681  
citations

44042

48  
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74108

75  
g-index

187  
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187  
docs citations

187  
times ranked

3449  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-pressure structures and phase transformations in elemental metals. <i>Chemical Society Reviews</i> , 2006, 35, 943.	18.7	245
2	Cold melting and solid structures of dense lithium. <i>Nature Physics</i> , 2011, 7, 211-214.	6.5	233
3	New high-pressure phase of Si. <i>Physical Review B</i> , 1993, 47, 8337-8340.	1.1	223
4	Pressure dependence of the $\beta$ phase of silicon. <i>Physical Review B</i> , 1994, 50, 739-743.	1.1	184
5	Chapter 3 Structural Transitions in the Group IV, III-V, and II-VI Semiconductors under Pressure. <i>Semiconductors and Semimetals</i> , 1998, 54, 145-246.	0.4	158
6	Self-Hosting Incommensurate Structure of Barium IV. <i>Physical Review Letters</i> , 1999, 83, 4081-4084.	2.9	157
7	Observation of an O <sub>8</sub> molecular lattice in the $\epsilon$ phase of solid oxygen. <i>Nature</i> , 2006, 443, 201-204.	13.7	156
8	Ba-IV-Type Incommensurate Crystal Structure in Group-V Metals. <i>Physical Review Letters</i> , 2000, 85, 4896-4899.	2.9	150
9	Structural Diversity of Sodium. <i>Science</i> , 2008, 320, 1054-1057.	6.0	150
10	Stability and crystal structure of BC8 germanium. <i>Physical Review B</i> , 1993, 48, 9883-9886.	1.1	143
11	Geometric effects of deuteration on hydrogen-ordering phase transitions. <i>Nature</i> , 1990, 348, 317-319.	13.7	134
12	New Structural Systematics in the II-VI, III-V, and Group-IV Semiconductors at High Pressure. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 198, 389-402.	0.7	125
13	Crystal Structures of Dense Lithium: A Metal-Semiconductor-Metal Transition. <i>Physical Review Letters</i> , 2011, 106, 095502.	2.9	120
14	Observation of a Wurtzite Form of Gallium Arsenide. <i>Physical Review Letters</i> , 2005, 95, 215505.	2.9	101
15	Potassium under Pressure: A Pseudobinary Ionic Compound. <i>Physical Review Letters</i> , 2009, 103, 115501.	2.9	100
16	High-Pressure Powder Diffraction on Synchrotron Sources. <i>Journal of Synchrotron Radiation</i> , 1994, 1, 69-73.	1.0	99
17	Observation of the incommensurate barium-IV structure in strontium phase V. <i>Physical Review B</i> , 2000, 61, 3135-3138.	1.1	95
18	Pressure Dependent Incommensuration in Rb-IV. <i>Physical Review Letters</i> , 2001, 87, 055501.	2.9	95

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19	Large Structural Modulations in Incommensurate Te-III and Se-IV. <i>Physical Review Letters</i> , 2003, 91, 215502.	2.9	91
20	High-pressure structural studies of group-15 elements. <i>High Pressure Research</i> , 2004, 24, 319-356.	0.4	91
21	Complex Crystal Structure of Cesium-III. <i>Physical Review Letters</i> , 2001, 87, 255502.	2.9	89
22	New structural systematics in the II-VI, III-V and group IV semiconductors at high pressure. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1996, 52, C530-C530.	0.3	85
23	Crystal structure of ZnTe III at 16 GPa. <i>Physical Review Letters</i> , 1994, 73, 1805-1808.	2.9	84
24	Nonexistence of the Diatomic <sup>2</sup> -Tin Structure. <i>Physical Review Letters</i> , 1997, 79, 3668-3671.	2.9	84
25	Structure of Rb-III: Novel Modulated Stacking Structures in Alkali Metals. <i>Physical Review Letters</i> , 2002, 88, 155503.	2.9	84
26	Phase transitions in CdTe to 5 GPa. <i>Physical Review B</i> , 1993, 48, 16246-16251.	1.1	82
27	Structure of sodium above 100 GPa by single-crystal x-ray diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17297-17299.	3.3	75
28	Different Results for the Equilibrium Phases of Cerium above 5 GPa. <i>Physical Review Letters</i> , 1997, 78, 3884-3887.	2.9	74
29	Structure of the intermediate phase of PbTe at high pressure. <i>Physical Review B</i> , 2005, 71, .	1.1	70
30	Structural Complexity in Gallium under High Pressure: Relation to Alkali Elements. <i>Physical Review Letters</i> , 2004, 93, 205502.	2.9	69
31	Equation of state and high-pressure/high-temperature phase diagram of magnesium. <i>Physical Review B</i> , 2014, 90, .	1.1	69
32	An imaging plate system for high-pressure powder diffraction: The data processing side. <i>Review of Scientific Instruments</i> , 1992, 63, 700-703.	0.6	68
33	Phase transitions in CdTe to 28 GPa. <i>Physical Review B</i> , 1995, 51, 15723-15731.	1.1	67
34	Direct Observation of Melting in Shock-Compressed Bismuth With Femtosecond X-ray Diffraction. <i>Physical Review Letters</i> , 2015, 115, 095701.	2.9	64
35	X-ray Diffraction Study of Liquid Cs up to 9.8 GPa. <i>Physical Review Letters</i> , 2005, 94, 125507.	2.9	63
36	Phase transitions in InSb at pressures up to 5 GPa. <i>Physical Review B</i> , 1993, 47, 35-54.	1.1	62

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37	Composite incommensurate K-III and a commensurate form: Study of a high-pressure phase of potassium. <i>Physical Review B</i> , 2006, 74, .	1.1	61
38	Pressure-induced incommensurate-to-incommensurate phase transition in antimony. <i>Physical Review B</i> , 2004, 70, .	1.1	60
39	Complex crystal structures of Te-II and Se-III at high pressure. <i>Physical Review B</i> , 2004, 70, .	1.1	60
40	Angle-dispersive powder diffraction techniques for crystal structure refinement at high pressure. <i>Review of Scientific Instruments</i> , 1992, 63, 1039-1042.	0.6	59
41	Immaginary phase of germanium at $\sim 1/480$ GPa. <i>Physical Review B</i> , 1996, 53, R2907-R2909.	1.1	58
42	Observation of a Simple-Cubic Phase of GaAs with a 16-Atom Basis (SC16). <i>Physical Review Letters</i> , 1998, 80, 5564-5567.	2.9	58
43	Pressure evolution of the cinnabar phase of HgTe. <i>Physical Review B</i> , 1995, 51, 8731-8736.	1.1	56
44	Observation of a Cinnabar Phase in GaAs at High Pressure. <i>Physical Review Letters</i> , 1997, 78, 3697-3700.	2.9	56
45	Incommensurate sulfur above 100 GPa. <i>Physical Review B</i> , 2005, 71, .	1.1	55
46	Crystal structure of the cinnabar phase of HgTe. <i>Physical Review B</i> , 1993, 48, 13111-13114.	1.1	53
47	Single-crystal studies of incommensurate Na to 1.5 Mbar. <i>Physical Review B</i> , 2009, 79, .	1.1	53
48	Observation of a high-pressure cinnabar phase in CdTe. <i>Physical Review B</i> , 1993, 48, 1314-1317.	1.1	51
49	Ultrafast X-Ray Diffraction Studies of the Phase Transitions and Equation of State of Scandium Shock Compressed to 82 ÅGPa. <i>Physical Review Letters</i> , 2017, 118, 025501.	2.9	50
50	The effect of diffraction by the diamonds of a diamond-anvil cell on single-crystal sample intensities. <i>Journal of Applied Crystallography</i> , 1990, 23, 392-396.	1.9	48
51	Different incommensurate composite crystal structure for Sc-II. <i>Physical Review B</i> , 2006, 73, .	1.1	46
52	Competition of Charge-Density Waves and Superconductivity in Sulfur. <i>Physical Review Letters</i> , 2007, 99, 155505.	2.9	46
53	Experimental and theoretical confirmation of an orthorhombic phase transition in niobium at high pressure and temperature. <i>Communications Materials</i> , 2020, 1, .	2.9	46
54	Confirmation of the incommensurate nature of Se <sup>IV</sup> at pressures below 70 GPa. <i>Physical Review B</i> , 2004, 70, .	1.1	45

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55	Structure of the high-pressure phase III of iron sulfide. <i>Physical Review B</i> , 1999, 59, 9048-9052.	1.1	44
56	Chain "Melting" in the Composite Rb-IV Structure. <i>Physical Review Letters</i> , 2004, 93, 055501.	2.9	44
57	Observation of the P8 crystal structure in potassium at high pressure. <i>Physical Review B</i> , 2009, 80, .	1.1	43
58	Extraordinarily complex crystal structure with mesoscopic patterning in barium at high pressure. <i>Nature Materials</i> , 2012, 11, 627-632.	13.3	43
59	Incommensurate crystal structures in the elements at high pressure. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004, 219, .	0.4	40
60	Ordered Superstructure of InSb-IV. <i>Physical Review Letters</i> , 1995, 74, 106-109.	2.9	38
61	A new approach for indexing powder diffraction data based on whole-profile fitting and global optimization using a genetic algorithm. <i>Journal of Synchrotron Radiation</i> , 1999, 6, 87-92.	1.0	38
62	In situ synchrotron X-ray diffraction in the laser-heated diamond anvil cell: Melting phenomena and synthesis of new materials. <i>Coordination Chemistry Reviews</i> , 2014, 277-278, 15-30.	9.5	37
63	The crystal structures of $\hat{\Gamma}$ and $\hat{\Gamma}'$ [sup $\hat{\Gamma}'$ ] nitrogen. <i>Journal of Chemical Physics</i> , 2009, 131, 104511.	1.2	36
64	The distorted close-packed crystal structure of methane A. <i>Journal of Chemical Physics</i> , 2010, 133, 064504.	1.2	36
65	Identification of Phase Transitions and Metastability in Dynamically Compressed Antimony Using Ultrafast X-Ray Diffraction. <i>Physical Review Letters</i> , 2019, 122, 255704.	2.9	36
66	High-pressure neutron-diffraction studies of $\text{KH}_{2}\text{PO}_{4}$ -type phase transitions as $T_{\text{c}}$ tends to 0K. <i>Ferroelectrics</i> , 1991, 124, 355-360.	0.3	35
67	"Hidden" High-to-Low Cristobalite Type Transition in HgSe and HgTe at High Pressure. <i>Physical Review Letters</i> , 1996, 77, 1781-1784.	2.9	35
68	High-pressure crystal structure of HgTe-IV. <i>Physical Review B</i> , 1996, 53, 2163-2166.	1.1	35
69	Lattice Dynamics and Superconductivity in Cerium at High Pressure. <i>Physical Review Letters</i> , 2012, 108, 045502.	2.9	33
70	Femtosecond diffraction studies of solid and liquid phase changes in shock-compressed bismuth. <i>Scientific Reports</i> , 2018, 8, 16927.	1.6	33
71	Identity of InSb-II and InSb-III. <i>Physical Review Letters</i> , 1996, 77, 663-666.	2.9	30
72	Thallium under extreme compression. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 445401.	0.7	30

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73	Phase transitions in tellurium at high pressure and temperature. <i>Physical Review B</i> , 2006, 74, .	1.1	28
74	Incommensurate modulations of Bi-III and Sb-II. <i>Physical Review B</i> , 2007, 75, .	1.1	28
75	Melting curve of potassium to 22 GPa. <i>Physical Review B</i> , 2011, 84, .	1.1	28
76	Structure of GaSb to 35 GPa. <i>Physical Review B</i> , 1994, 50, 13047-13050.	1.1	25
77	Complex monoclinic superstructure in Sr-IV. <i>Physical Review B</i> , 2006, 73, .	1.1	25
78	One-dimensional chain melting in incommensurate potassium. <i>Physical Review B</i> , 2015, 91, .	1.1	25
79	Origin of incommensurate modulations in the high-pressure phosphorus IV phase. <i>Physical Review B</i> , 2008, 78, .	1.1	24
80	Neutron-diffraction studies of the relationship between Tc and h-bond dimensions in H-ordering transitions. <i>Ferroelectrics</i> , 1990, 108, 277-282.	0.3	23
81	Coordination changes in liquid tin under shock compression determined using <i>in situ</i> femtosecond x-ray diffraction. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	22
82	Structural phase transitions in yttrium up to 183 GPa. <i>Physical Review B</i> , 2020, 102, .	1.1	22
83	Structures and Transitions in Strontium.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 1998, 7, 236-238.	0.1	22
84	Pressure dependence of the structure and electronic properties of $\text{SrO}_7$ . <i>Physical Review B</i> , 2016, 93, .	1.1	21
85	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). <i>Journal of Synchrotron Radiation</i> , 2021, 28, 688-706.	1.0	21
86	Possible Disorder of the P Atom in KD <sub>2</sub> PO <sub>4</sub> . <i>Europhysics Letters</i> , 1990, 13, 143-148.	0.7	20
87	Observation of a reentrant phase transition in incommensurate potassium. <i>Physical Review B</i> , 2013, 88, .	1.1	20
88	High-pressure/high-temperature phase diagram of zinc. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 295402.	0.7	20
89	Phase diagram of calcium at high pressure and high temperature. <i>Physical Review Materials</i> , 2018, 2, .	0.9	20
90	Lattice Dynamics of Incommensurate Composite Rb-IV and a Realization of the Monatomic Linear Chain Model. <i>Physical Review Letters</i> , 2007, 99, 035501.	2.9	19

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91	Phase transitions in praseodymium up to 23 GPa: An x-ray powder diffraction study. <i>Physical Review B</i> , 2009, 80, .	1.1	19
92	Europium-IV: An Incommensurately Modulated Crystal Structure in the Lanthanides. <i>Physical Review Letters</i> , 2012, 109, 095503.	2.9	19
93	High-pressure, high-temperature single-crystal study of Bi-IV. <i>High Pressure Research</i> , 2012, 32, 442-449.	0.4	19
94	Bi <sub>1-x</sub> Sb <sub>x</sub> under high pressure: Effect of alloying on the incommensurate Bi-III type composite structure. <i>Physical Review B</i> , 2004, 69, .	1.1	18
95	The crystal structure of methane B at 8 GPa: An $\hat{I}\pm$ -Mn arrangement of molecules. <i>Journal of Chemical Physics</i> , 2014, 141, 234313.	1.2	18
96	Neutron-diffraction studies of the geometric isotope effect in h-ordering transitions. <i>Ferroelectrics</i> , 1990, 108, 271-276.	0.3	17
97	X-ray diffraction study of diffuse scattering in incommensurate rubidium-IV. <i>Physical Review B</i> , 2006, 73, .	1.1	16
98	Experimental and theoretical study of Ti-6Al-4V to 220 GPa. <i>Physical Review B</i> , 2012, 85, .	1.1	16
99	Structure and magnetism of collapsed lanthanide elements. <i>Physical Review B</i> , 2019, 100, .	1.1	16
100	Thermomechanical response of thickly tamped targets and diamond anvil cells under pulsed hard x-ray irradiation. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	16
101	New Structural Results for the High-Pressure Phases of InSb. <i>Japanese Journal of Applied Physics</i> , 1993, 32, 1.	0.8	15
102	On the structure of high-pressure high-temperature $\hat{I}$ -O <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2009, 130, 164516.	1.2	15
103	High-Pressure Crystallography. <i>Topics in Current Chemistry</i> , 2011, 315, 69-109.	4.0	15
104	Two million hours of science. <i>Nature Materials</i> , 2008, 7, 827-830.	13.3	14
105	Origin of the Incommensurate Modulation in Te-III and Fermi-Surface Nesting in a Simple Metal. <i>Physical Review Letters</i> , 2009, 102, 035501.	2.9	14
106	High-pressure structural systematics in samarium up to 222 GPa. <i>Physical Review B</i> , 2020, 101, .	1.1	14
107	X-ray Free Electron Laser-Induced Synthesis of $\hat{I}\mu$ -Iron Nitride at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3246-3252.	2.1	14
108	Structural complexity in ramp-compressed sodium to 480 GPa. <i>Nature Communications</i> , 2022, 13, 2534.	5.8	14

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109	High pressure orthorhombic structure of $\text{CuInSe}_2$ . Journal of Physics Condensed Matter, 2010, 22, 355801.	0.7	13
110	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
111	Angle-dispersive powder diffraction at high pressure using an image-plate area detector. High Pressure Research, 1992, 8, 677-684.	0.4	12
112	Pressure dependence of the electron density in solid iodine by the maximum-entropy method. High Pressure Research, 1996, 14, 335-340.	0.4	12
113	Recovery of metastable dense Bi synthesized by shock compression. Applied Physics Letters, 2019, 114, 120601.	1.5	12
114	The phase diagram of Ti-6Al-4V at high-pressures and high-temperatures. Journal of Physics Condensed Matter, 2021, 33, 154001.	0.7	12
115	The effect of deuteration on the crystal structure of squaric acid ( $\text{H}_2\text{C}_4\text{O}_4$ ) in its ordered phase*. Zeitschrift für Kristallographie, 1991, 195, 231-239.	1.1	11
116	Observation and Modelling of Preferred Orientation in Two-Dimensional Powder Patterns. Journal of Synchrotron Radiation, 1996, 3, 112-119.	1.0	11
117	Intense Reactivity in Sulfur-Hydrogen Mixtures at High Pressure under X-ray Irradiation. Journal of Physical Chemistry Letters, 2020, 11, 1828-1834.	2.1	11
118	Simple metal no more. Nature Materials, 2010, 9, 607-608.	13.3	10
119	New high-pressure phase of GaSb. Physical Review B, 2001, 65, .	1.1	9
120	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
121	The distorted-fcc phase of samarium. Journal of Physics: Conference Series, 2014, 500, 032009.	0.3	9
122	Incommensurate-to-incommensurate phase transition in Eu metal at high pressures. Physical Review B, 2014, 90, .	1.1	9
123	High-pressure X-ray science on the ultimate storage ring. Journal of Synchrotron Radiation, 2014, 21, 1077-1083.	1.0	9
124	Phase diagram of antimony up to 31 GPa and 835 K. Physical Review B, 2018, 97, .	1.1	9
125	X-ray free electron laser heating of water and gold at high static pressure. Communications Materials, 2021, 2, .	2.9	9
126	The high-pressure, high-temperature phase diagram of cerium. Journal of Physics Condensed Matter, 2020, 32, 335401.	0.7	9



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127	High-pressure structural systematics in neodymium up to 302 GPa. <i>Physical Review B</i> , 2021, 103, .	1.1	8
128	The development of synchrotron x-ray area detectors for studying high pressure phase transitions. <i>Phase Transitions</i> , 1992, 39, 187-198.	0.6	7
129	Diamond sculpting pushes extremes. <i>Nature Materials</i> , 2018, 17, 858-859.	13.3	7
130	Crystal-structure studies of II-VI semiconductors using angle-dispersive diffraction techniques with an image-plate detector. <i>AIP Conference Proceedings</i> , 1994, , .	0.3	6
131	2-d data collection in high pressure powder diffraction studies-applications to semiconductors. <i>High Pressure Research</i> , 1996, 14, 277-286.	0.4	6
132	The Structure of Eu-III. <i>Journal of Physics: Conference Series</i> , 2012, 377, 012030.	0.3	6
133	Diamonds on Diamond: structural studies at extreme conditions on the Diamond Light Source. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20130158.	1.6	6
134	Pressure-induced bcc-rhombohedral phase transition in vanadium metal. <i>Physical Review B</i> , 2021, 103, .	1.1	5
135	Behavior of rubidium at over eightfold static compression. <i>Physical Review B</i> , 2021, 103, .	1.1	5
136	Structures from powders and poor-quality single crystals at high pressure. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 549-553.	1.0	4
137	Phase transitions in europium at high pressures. <i>High Pressure Research</i> , 2013, 33, 158-164.	0.4	4
138	Probing Extreme States of Matter using Ultra-Intense X-ray Radiation. <i>Journal of Physics Condensed Matter</i> , 2021, 34, .	0.7	4
139	Complex Structures of Cerium.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 1998, 7, 313-315.	0.1	4
140	High resolution X-ray diffraction studies at high pressures. <i>High Pressure Research</i> , 1990, 4, 402-404.	0.4	3
141	Neutron-diffraction studies of the heavy-atom structure in h-ordering materials. <i>Ferroelectrics</i> , 1991, 124, 351-354.	0.3	3
142	Crystal structure refinement at high pressures using angle-dispersive powder diffraction techniques. <i>High Pressure Research</i> , 1992, 9, 194-204.	0.4	3
143	High Pressure Structures of Iron Sulphide.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 1998, 7, 202-204.	0.1	3
144	High pressure structural studies of AgInTe <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , 2010, 215, 012008.	0.3	3

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145	Investigations into rapid uniaxial compression of polycrystalline targets using femtosecond X-ray diffraction. Journal of Physics: Conference Series, 2014, 500, 112063.	0.3	3
146	Distortions in the cubic primitive high-pressure phases of calcium. Journal of Physics Condensed Matter, 2019, 31, 065401.	0.7	3
147	Deuteration and pressure effects on the crystal structure of paraelectric $\text{NH}_4\text{H}_2\text{PO}_4$ . Zeitschrift Für Kristallographie, 1991, 195, 241-249.	1.1	2
148	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
149	An Experimental and Theoretical Multi-Mbar Study of Ti-6Al-4V. Materials Research Society Symposia Proceedings, 2011, 1369, 1.	0.1	2
150	Melting of potassium to 22 GPa. Journal of Physics: Conference Series, 2012, 377, 012040.	0.3	2
151	Synchrotron and FEL Studies of Matter at High Pressures. , 2020, , 1857-1896.		2
152	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
153	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
154	High-pressure neutron diffraction studies of $\text{KH}_2\text{PO}_4$ -type phase transitions. High Pressure Research, 1990, 4, 444-446.	0.4	1
155	The effect of deuteration on the crystal structure of squaric acid ( $\text{H}_2\text{C}_4\text{O}_4$ ) in its ordered phase. Zeitschrift Fur Kristallographie - Crystalline Materials, 1991, 195, 231-240.	0.4	1
156	Deuteration and pressure effects on the crystal structure of paraelectric $\text{NH}_4\text{H}_2\text{PO}_4$ . Zeitschrift Fur Kristallographie - Crystalline Materials, 1991, 195, 241-250.	0.4	1
157	Ordered Superstructure of InSb-IV. Physical Review Letters, 1995, 74, 2618-2618.	2.9	1
158	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
159	Implementation of Hydrodynamic Simulation Code in Shock Experiment Design for Alkali Metals. Journal of Physics: Conference Series, 2017, 950, 042037.	0.3	1
160	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
161	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
162	Nonexistence of the $\gamma$ volume-collapse transition in solid gadolinium at pressure. Physical Review B, 2021, 104, .	1.1	1

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163	High pressure structural studies on gallium. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c175-c175.	0.3	1
164	High Pressure Diffraction from Good Powders, Poor Powders and Poor Single Crystals. , 2004, , 1-20.		1
165	Search for interstitial electrons in the structure of Cs-IV. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c175-c175.	0.3	0
166	Complex metal structures at high pressures. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c178-c178.	0.3	0
167	Novel structures in 'simple' metals. Acta Crystallographica Section A: Foundations and Advances, 2004, 60, s6-s6.	0.3	0
168	Resolution of the intermediate high pressure phase of PbTe. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c464-c464.	0.3	0
169	Publisher's Note: Complex monoclinic superstructure in Sr-IV [Phys. Rev. B73, 144112 (2006)]. Physical Review B, 2006, 73, .	1.1	0
170	Publisher's Note: Incommensurate modulations of Bi-III and Sb-II [Phys. Rev. B75, 184114 (2007)]. Physical Review B, 2007, 75, .	1.1	0
171	On the structures of the dense alkali metals. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s83-s83.	0.3	0
172	Incommensurate modulations in the structure of Bi-III. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c178-c178.	0.3	0
173	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
174	Structures and phase transitions of CuInSe <sub>2</sub> under high pressure. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c464-c464.	0.3	0
175	Single crystal studies of pure elements at high pressure. Acta Crystallographica Section A: Foundations and Advances, 2007, 63, s57-s57.	0.3	0
176	Single-crystal diffraction studies at multimegabar pressures. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s3-s3.	0.3	0
177	Single-crystal diffraction at extreme conditions on synchrotron sources. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s199-s199.	0.3	0
178	High-Pressure Powder Diffraction Using an Image-Plate Area Detector. Advances in X-ray Analysis, 1993, 37, 419-432.	0.0	0
179	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
180	High-pressure structural studies of lanthanides. Acta Crystallographica Section A: Foundations and Advances, 1996, 52, C528-C528.	0.3	0

#	ARTICLE	IF	CITATIONS
181	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
182	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
183	Synchrotron and FEL Studies of Matter at High Pressures. , 2019, , 1-40.		0