Thomas R Welberry

List of Publications by Year
in descending order

197	3,606	147801 31	189892 50
papers	citations	h-index	g-index

199	199	199	2197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Obtaining diffuse scattering patterns from computer simulations â€“ a retrospective. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 344-355.	1.1	1
2	Simulation of diffuse scattering in <scp>DL</scp>-norleucine. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 393-405.	1.1	0
3	Dynamic Displacement Disorder of Cubic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BaTiO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn	7.8	25
	Physical Review Letters, 2018, 120, 167601.		
4	Single Crystal Diffuse Neutron Scattering. Quantum Beam Science, 2018, 2, 2.	1.2	4
5	Phase competition and effect of chemical ordering in ferroelectric relaxor PbSc0.5Nb0.5O3 from first principles. Phase Transitions, 2016, 89, 777-784.	1.3	1
6	Total scattering and pair distribution function analysis in modelling disorder in PZN (PbZn_{1/3}Nb_{2/3}O₃). IUCrJ, 2016, 3, 20-31.	2.2	13
7	One hundred years of diffuse scattering. Crystallography Reviews, 2016, 22, 2-78.	1.5	87
8	Interpretation of diffuse scattering in the high-Tcsuperconductor HgBa2CuO4+Î´. IUCrJ, 2016, 3, 309-318.	2.2	6
9	Hexagonal paracrystals. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, 69-74.	0.8	1
10	A neutron diffuse scattering study of PbZrO₃and Zr-rich PbZr_{1â€“x}Ti_xO₃. Journal of Applied Crystallography, 2015, 48, 1637-1644.	4.5	32
11	Atomistic modeling of diffuse scattering in cubic PbZrO₃. Phase Transitions, 2015, 88, 273-282.	1.3	20
12	Nanoscale Order in Molecular Systems from Single Crystal Diffuse Scattering. Australian Journal of Chemistry, 2014, 67, 1807.	0.9	3
13	Approaches to modelling thermal diffuse scattering in triglycine sulfate, (NH₂CH₂COOH)₃Â·H₂SO₄. Journal of Applied Crystallography, 2014, 47, 544-551.	4.5	7
14	Local order in wÃ¼stite using a pair distribution function (PDF) approach. Mineralogical Magazine, 2014, 78, 373-385.	1.4	4
15	Diffuse scattering and partial disorder in complex structures. IUCrJ, 2014, 1, 550-562.	2.2	31
16	One Hundred Years of Diffuse X-ray Scattering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 75-84.	2.2	3
17	Use of bond-valence sums in modelling the diffuse scattering from PZN (PbZn_{1/3}Nb_{2/3}O₃). Acta Crystallographica Section A: Foundations and Advances, 2014, 70, 626-635.	0.1	4
18	Diffuse scattering and the mechanism for the phase transition in triglycine sulphate. Journal of Materials Science, 2013, 48, 6605-6612.	3.7	18

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19	Assessing Local Structure in PbZn1/3Nb2/3O3 Using Diffuse Scattering and Reverse Monte Carlo Refinement. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 87-93.	2.2	11
20	Reverse Monte Carlo Study of Diffuse Scattering from a Frustrated Protein System. , 2013, , 243-251.		1
21	Polar nanoregions and diffuse scattering in the relaxor ferroelectric PbMg<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>Nb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>/</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/. Physical Review B, 2012, 85, .	3.2	67
22	Diffuse Scattering as an Aid to the Understanding of Polymorphism in Pharmaceuticals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 1434-1444.	2.2	4
23	Diffuse scattering and local structure modeling in ferroelectrics. Zeitschrift FÃ¼r Kristallographie, 2011, 226, 113-125.	1.1	21
24	Monte Carlo Modeling of Diffuse Scattering from Single Crystals: The Program ZMC. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 23-31.	2.2	31
25	Monte Carlo and Molecular Dynamics Simulation of Disorder in the Ag+ Fast Ion Conductors Pearceite and Polybasite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 6-13.	2.2	9
26	Geometry and Topology of Structure in Amorphous Solids. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 14-22.	2.2	4
27	Diffuse scattering resulting from macromolecular frustration. Acta Crystallographica Section B: Structural Science, 2011, 67, 516-524.	1.8	26
28	Stacking faults and superstructures in a layered brownmillerite. Acta Crystallographica Section B: Structural Science, 2011, 67, 476-485.	1.8	9
29	Monte Carlo Simulation Study of Diffuse Scattering in PZT, Pb(Zr,Ti)O3. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1110-1118.	2.2	14
30	Approaches to Modeling Diffuse Scattering from Molecular Crystals: Para-Terphenyl (C18H14). Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1119-1129.	2.2	1
31	The geometry, topology and structure of amorphous solids. Acta Materialia, 2010, 58, 615-625.	7.9	32
32	A refinement strategy for Monte Carlo modelling of diffuse scattering from molecular crystal systems. Journal of Applied Crystallography, 2010, 43, 913-915.	4.5	19
33	Precursor effects of the orthorhombic to monoclinic phase transition in benzocaine form (II) revealed by X-ray diffuse scattering. Acta Crystallographica Section B: Structural Science, 2010, 66, 260-270.	1.8	18
34	Diffuse scattering study of aspirin forms (I) and (II). Acta Crystallographica Section B: Structural Science, 2010, 66, 696-707.	1.8	55
35	Advances in Structural Studies of Materials Using Scattering Probes. MRS Bulletin, 2010, 35, 520-530.	3.5	2
36	Use of Monte Carlo simulation for the interpretation and analysis of diffuse scattering. Phase Transitions, 2010, 83, 80-98.	1.3	3

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37	Pb Displacements in Pb(ZrTi)O₃ (PZT). Key Engineering Materials, 2009, 421-422, 389-394.	0.4	1
38	Neutron diffuse scattering in deuteratedpara-terphenyl, C18D14. Journal of Physics Condensed Matter, 2009, 21, 124204.	1.8	7
39	Single-crystal diffuse scattering studies on polymorphs of molecular crystals. I. The room-temperature polymorphs of the drug benzocaine. Acta Crystallographica Section B: Structural Science, 2009, 65, 382-392.	1.8	26
40	On the polymorphism of benzocaine; a low-temperature structural phase transition for form (II). Acta Crystallographica Section B: Structural Science, 2009, 65, 509-515.	1.8	27
41	Structured diffuse scattering and the fundamental 1-d dipolar unit in PLZT (Pb1â^'yLay)1â^'Î±(Zr1â^'xTix)1â^'Î²O3 (7.5/65/35 and 7.0/60/40) transparent ferroelectric ceramics. Journal of Solid State Chemistry, 2009, 182, 348-355.	2.9	19
42	Structural disorder in BZN-based pyrochlores. Journal of Electroceramics, 2008, 21, 401-404.	2.0	5
43	Diffuse Scattering and Monte Carlo Studies of Relaxor Ferroelectrics. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 3170-3178.	2.2	11
44	The interpretation and analysis of diffuse scattering using Monte Carlo simulation methods. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, 23-32.	0.3	35
45	X-ray diffuse scattering from HMTA: analysis via a Monte Carlo model. Acta Crystallographica Section B: Structural Science, 2008, 64, 456-465.	1.8	2
46	A room-temperature X-ray diffuse scattering study of form (II) of the trimorphic molecular system p-(N-methylbenzylidene)-p-methylaniline. Acta Crystallographica Section B: Structural Science, 2008, 64, 633-643.	1.8	9
47	Different models for the polar nanodomain structure of PZN and other relaxor ferroelectrics. Journal of Applied Crystallography, 2008, 41, 606-614.	4.5	30
48	An electron diffraction and Monte Carlo simulation study of diffuse scattering in Pb(Zr,Ti)O3. Journal of Applied Crystallography, 2008, 41, 930-938.	4.5	23
49	A composite modulated structure mechanism for Ag+ fast ion conduction in pearceite and polybasite mineral solid electrolytes. Solid State Ionics, 2008, 179, 2080-2089.	2.7	8
50	Coupled orientational and displacive degrees of freedom in the high-temperature plastic phase of the carbon tetrabromide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">Br</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2008, 77, .	3.2	22
51	Deformed Penrose tilings. Philosophical Magazine, 2007, 87, 2877-2886.	1.6	5
52	The molecular conformation of Ibuprofen, C13H18O2, through X-ray diffuse scattering. International Journal of Pharmaceutics, 2007, 343, 59-68.	5.2	15
53	Simultaneous fitting of X-ray and neutron diffuse scattering data. Acta Crystallographica Section A: Foundations and Advances, 2007, 63, 30-35.	0.3	6
54	Disorder in pentachloronitrobenzene, C6Cl5NO2: a diffuse scattering study. Acta Crystallographica Section B: Structural Science, 2007, 63, 663-673.	1.8	25

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55	Monte Carlo analysis of neutron diffuse scattering data. Physica B: Condensed Matter, 2006, 385-386, 1352-1354.	2.7	1
56	Crystal chemistry on a lattice: The case of BZN and BZN-related pyrochlores. Journal of Solid State Chemistry, 2006, 179, 2141-2149.	2.9	32
57	Deformed model sets and distorted Penrose tilings. Zeitschrift Fur Kristallographie - Crystalline Materials, 2006, 221, 621-634.	0.8	21
58	Chemical origin of nanoscale polar domains inPbZn1â^•3Nb2â^•3O3. Physical Review B, 2006, 74, .	3.2	61
59	Structural phase transition in deuterated benzilC14D10O2: Neutron inelastic scattering. Physical Review B, 2006, 73, .	3.2	1
60	â€˜Softâ€™ phonon modes, structured diffuse scattering and the crystal chemistry of Fe-bearing sphalerites. Journal of Solid State Chemistry, 2005, 178, 655-660.	2.9	7
61	Single-crystal neutron diffuse scattering and Monte Carlo study of the relaxor ferroelectric PbZn1/3Nb2/3O3(PZN). Journal of Applied Crystallography, 2005, 38, 639-647.	4.5	53
62	Problems in measuring diffuse X-ray scattering. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, 1052-1058.	0.8	23
63	Diffuse Scattering from Organic Crystals. Molecular Crystals and Liquid Crystals, 2005, 440, 1-21.	0.9	1
64	Disorder and Diffuse Scattering. , 2004, , 457-466.		0
65	The Importance of Multisite Correlations in Disordered Structures. Ferroelectrics, 2004, 305, 117-122.	0.6	6
66	Local crystal chemistry, induced strain and short range order in the cubic pyrochlore (Bi1.5â^Î±Zn0.5â^Î²)(Zn0.5â^Î³Nb1.5â^Î´)O(7â^1.5Î±â^Î²â^Î³â^2.5Î´) (BZN). Journal of Solid State Chemistry, 2004, 177, 231-244.	2.9	105
67	Elucidation of zeolite microstructure by synchrotron X-ray diffuse scattering. Journal of Applied Crystallography, 2004, 37, 187-192.	4.5	20
68	Local Strain, Structured Diffuse Scattering and Oxygen/Fluorine Ordering in Transition Metal Oxyfluorides. Ferroelectrics, 2004, 305, 123-126.	0.6	0
69	Effect of High Pressure on the Relaxor Ferroelectrics Na1/2Bi1/2TiO3(NBT) and PbMg1/3Nb2/3O3(PMN). Ferroelectrics, 2004, 302, 293-298.	0.6	16
70	Oxygen/fluorine ordering, structured diffuse scattering and the local crystal chemistry of K3MoO3F3. Journal of Solid State Chemistry, 2003, 170, 211-220.	2.9	33
71	Diffuse neutron scattering in benzil, C14D10O2, using the time-of-flight Laue technique. Journal of Applied Crystallography, 2003, 36, 1440-1447.	4.5	22
72	Urotropin azelate: a rather unwilling co-crystal. Acta Crystallographica Section B: Structural Science, 2003, 59, 72-86.	1.8	13

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73	Diffuse X-ray scattering from 4,4â€²-dimethoxybenzil, C16H14O4: analysis via automatic refinement of a Monte Carlo model. Acta Crystallographica Section B: Structural Science, 2003, 59, 760-769.	1.8	5
74	High-energy diffuse scattering on the 1-ID beamline at the Advanced Photon Source. Journal of Synchrotron Radiation, 2003, 10, 284-286.	2.4	16
75	High-pressure x-ray scattering of oxides with a nanoscale local structure: Application toNa1/2Bi1/2TiO3. Physical Review B, 2003, 68, .	3.2	170
76	The Recording and Interpretation of Diffuse X-Ray Scattering. , 2002, , 35-58.		1
77	Personal reflections. Part 91. Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, 379-380.	0.8	0
78	Monte Carlo Study of the quasicrystal-to-crystal transformation using an approach based on the Gummelt covering. Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, 109-118.	0.8	21
79	'Size-effect'-like distortions in quasicrystalline structures. Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, 422-426.	0.8	17
80	Diffuse X-ray scattering from benzil, C14H10O2: analysisviaautomatic refinement of a Monte Carlo model. Acta Crystallographica Section A: Foundations and Advances, 2001, 57, 101-109.	0.3	44
81	Diffuse X-ray scattering and strain effects in disordered crystals. Acta Crystallographica Section A: Foundations and Advances, 2001, 57, 244-255.	0.3	24
82	Monte Carlo study of disorder in HMTA. Computer Physics Communications, 2001, 142, 387-390.	7.5	2
83	High-energy X-ray diffuse scattering using Weissenberg flat-cone geometry. Journal of Applied Crystallography, 2000, 33, 1046-1050.	4.5	10
84	Diffuse X-ray scattering and disorder inp-methyl-N-(p-chlorobenzylidene)aniline, C14H12ClN (ClMe): analysisviaautomatic refinement of a Monte Carlo model. Acta Crystallographica Section A: Foundations and Advances, 2000, 56, 348-358.	0.3	14
85	Diffuse scattering and Monte Carlo simulations of cyclohexaneâ€“perhydrotriphenylene (PHTP) inclusion compounds, C6H12/C18H30. Journal of Applied Crystallography, 1999, 32, 464-471.	4.5	12
86	Inter-sublattice ordering correlations and the geometrical locus approach to localized diffuse scattering. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 753-762.	0.6	9
87	Order and Disorder inp-Dialkylbenzeneâ€“Urea Inclusion Compounds. Journal of Solid State Chemistry, 1998, 141, 437-451.	2.9	6
88	About short- and long-range orderings in wÃ¼stites, Fe 1-x O. Physics and Chemistry of Minerals, 1998, 26, 81-82.	0.8	4
89	Diffuse X-ray Scattering and Short-Range Order in Thallium Antimonyl Germanate, TlSbOGeO4. Journal of Applied Crystallography, 1998, 31, 154-162.	4.5	3
90	Analysis of Diffuse Scattering from Single Crystals via the Reverse Monte Carlo Technique. I. Comparison with Direct Monte Carlo. Journal of Applied Crystallography, 1998, 31, 309-317.	4.5	30

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91	Analysis of Diffuse Scattering from Single Crystals via the Reverse Monte Carlo Technique. II. The Defect Structure of Calcium-Stabilized Zirconia. Journal of Applied Crystallography, 1998, 31, 318-326.	4.5	12
92	Analysis of Single-Crystal Diffuse X-ray ScatteringviaAutomatic Refinement of a Monte Carlo Model. Acta Crystallographica Section A: Foundations and Advances, 1998, 54, 661-674.	0.3	53
93	Analysis of diffuse scattering of single crystals using monte carlo methods. Phase Transitions, 1998, 67, 373-397.	1.3	33
94	An improved method for analysing single crystal diffuse scattering using the Reverse Monte Carlo technique. Zeitschrift Fur Kristallographie - Crystalline Materials, 1997, 212, .	0.8	19
95	Defect distribution and the diffuse X-ray diffraction pattern of wÃ¼stite, Fe 1â^'x O. Physics and Chemistry of Minerals, 1997, 24, 24-38.	0.8	64
96	Analysis of Diffuse Scatteringviathe Reverse Monte Carlo Technique: a Systematic Investigation. Acta Crystallographica Section A: Foundations and Advances, 1997, 53, 202-216.	0.3	38
97	Diffuse X-ray Scattering and Monte-Carlo Study of Guestâ€"Host Interactions in Urea Inclusion Compounds. Journal of Applied Crystallography, 1996, 29, 353-364.	4.5	50
98	Local structural information of mullite obtained from diffuse X-ray scattering. Journal of the European Ceramic Society, 1996, 16, 187-193.	5.7	9
99	A computer-simulation study of the `white-line effect' in diffraction patterns of mixed charge-transfer salts. Journal of Applied Crystallography, 1995, 28, 611-614.	4.5	6
100	The fourfold disordered structures of p-chloro-N-(p-methylbenzylidene)aniline and p-methyl-N-(p-chlorobenzylidene)aniline. Acta Crystallographica Section B: Structural Science, 1995, 51, 187-197.	1.8	12
101	A Modulation Wave Approach to Understanding the Disordered Structure of Cubic Stabilized Zirconias (CSZs). Journal of Solid State Chemistry, 1995, 115, 43-54.	2.9	42
102	A TEM and XRD Study of (BiS)1+Î´(Nb1+ÎµS2)n Misfit Layer Structures. Journal of Solid State Chemistry, 1995, 115, 274-282.	2.9	16
103	A Paracrystalline Description of Defect Distributions in WÃ¼stite, Fe1-xO. Journal of Solid State Chemistry, 1995, 117, 398-406.	2.9	36
104	Microdomains, Solid Solutions and the "Defect Fluorite" to C-Type Sesquioxide Transition in CeO2-RO1.5 and ZrO2-RO1.5 Systems. Journal of Solid State Chemistry, 1995, 120, 290-298.	2.9	29
105	Diffuse X-ray Scattering from Disordered Crystals. Chemical Reviews, 1995, 95, 2369-2403.	47.7	95
106	The low-temperature phase sequence gamma - delta - epsilon in halide perovskite tetramethylammonium trichlorogermanate(II) studied by X-ray diffraction. Journal of Physics Condensed Matter, 1995, 7, 4983-4998.	1.8	6
107	A TEM and X-Ray Diffraction Study of some Imperfectly Ordered, "Infinitely Adaptive" Crystal Structures and the Principles Underlying their Structural Flexibility. Materials Science Forum, 1994, 150-151, 85-96.	0.3	1
108	Interpretation of diffuse X-ray scatteringviamodels of disorder. Journal of Applied Crystallography, 1994, 27, 205-231.	4.5	101

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109	Analysis of diffuse scattering from the mineral mullite. Journal of Applied Crystallography, 1994, 27, 742-754.	4.5	18
110	Diffuse X-ray scattering in potassium lithium sulfate, KLiSO4. Journal of Applied Crystallography, 1994, 27, 733-741.	4.5	10
111	A 3D Model for the Diffuse Scattering in Cubic Stabilized Zirconias. Journal of Solid State Chemistry, 1993, 106, 461-475.	2.9	65
112	Oxygen vacancy ordering and the incommensurate structure of mullite. Physics and Chemistry of Minerals, 1993, 20, 323.	0.8	7
113	Scattering of two-dimensional analogs of disordered lamellae. Colloid and Polymer Science, 1993, 271, 124-132.	2.1	5
114	Response to `About the diffuse absences and the diffuse planes due to the atomic size effect'. Acta Crystallographica Section A: Foundations and Advances, 1993, 49, 221-221.	0.3	0
115	Interpretation of displacement-caused diffuse scattering using the Taylor expansion. Acta Crystallographica Section A: Foundations and Advances, 1993, 49, 736-743.	0.3	19
116	The effect of second neighbour repulsion on fcc binary alloy phase diagrams: A Monte Carlo study. Pramana - Journal of Physics, 1993, 41, 41-49.	1.8	0
117	Cation ordering and the stability of fluorite-related phases in ZrO2-LnO1.5systems: a phase diagram simulation study using Monte Carlo methods. Journal of Physics Condensed Matter, 1993, 5, 4251-4262.	1.8	4
118	Molecular dynamics simulation study of solid polyphenyls: Structures determined by the interplay between intra- and intermolecular forces. Molecular Physics, 1992, 75, 867-879.	1.7	11
119	Diffuse Scattering in Disordered Molecular Crystals. Molecular Crystals and Liquid Crystals, 1992, 211, 17-33.	0.3	1
120	Monte Carlo simulation of low temperature phase diagrams of YBa2Cu3O6+x. Physica C: Superconductivity and Its Applications, 1992, 197, 57-63.	1.2	5
121	Diffuse scattering in yttria-stabilized cubic zirconia. Journal of Solid State Chemistry, 1992, 100, 71-89.	2.9	49
122	The effect of low intra-sublattice repulsion on phase diagram of YBa2Cu3O6+x : A Monte Carlo simulation study. Pramana - Journal of Physics, 1992, 39, 329-341.	1.8	1
123	FOURDEM: a program written as an aid to teaching the elements of Fourier synthesis and other crystallographic concepts. Journal of Applied Crystallography, 1992, 25, 443-447.	4.5	2
124	Calculation of diffuse scattering from simulated disordered crystals: a comparison with optical transforms. Journal of Applied Crystallography, 1992, 25, 391-399.	4.5	92
125	QUASI2D: a program written to demonstrate quasiperiodicity and phason fluctuation. Journal of Applied Crystallography, 1992, 25, 648-652.	4.5	0
126	Diffuse absences due to the atomic size effect. Acta Crystallographica Section A: Foundations and Advances, 1992, 48, 737-746.	0.3	28

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127	Molecular dynamics simulation of solid biphenyl. Molecular Physics, 1991, 73, 1317-1334.	1.7	14
128	The rÃ1e of phase in diffuse diffraction patterns and its effect on real-space structure. Journal of Applied Crystallography, 1991, 24, 18-29.	4.5	11
129	Optical transform and Monte-Carlo study of phason fluctuations in quasi-periodic tilings. Journal of Applied Crystallography, 1991, 24, 203-211.	4.5	7
130	Optical transforms of disordered systems containing symmetry-related scattering sites. Journal of Applied Crystallography, 1990, 23, 303-314.	4.5	4
131	A position-sensitive detector system for the measurement of diffuse X-ray scattering. Journal of Applied Crystallography, 1990, 23, 476-484.	4.5	37
132	Computer simulation of size effect from orientationally disordered molecular crystals: monoclinic dibromodiethyldimethylbenzene. Acta Crystallographica Section A: Foundations and Advances, 1990, 46, 970-975.	0.3	1
133	A computer simulation study of local arrangements in disordered molecular crystals. Acta Crystallographica Section A: Foundations and Advances, 1990, 46, 975-979.	0.3	3
134	A `concentration-wave' approach to understanding the disorder diffuse scattering in 1,3-dibromo-2,5-diethyl-4,6-dimethylbenzene, C12H16Br2. Acta Crystallographica Section B: Structural Science, 1990, 46, 267-275.	1.8	10
135	An optical transform and Monte Carlo study of the diffuse X-ray scattering in mullite, Al2(Al2+2xSi2?2x)O10?x. Physics and Chemistry of Minerals, 1990, 17, 117.	0.8	17
136	The symmetry characterization and structural refinement of displacement modulated NiAs. Phase Transitions, 1989, 16, 47-51.	1.3	2
137	An electron diffraction and lattice dynamical study of thermal diffuse scattering in KCl. Journal of Physics Condensed Matter, 1989, 1, 2305-2311.	1.8	3
138	Lattice dynamics of Î±- and Î²-cristobalite, SiO2. Journal of Physics and Chemistry of Solids, 1989, 50, 207-213.	4.0	11
139	An optical transform and Monte Carlo study of the disorder in Î²-cristobalite SiO2. Journal of Applied Crystallography, 1989, 22, 87-95.	4.5	55
140	Diffraction from quasi-crystals and disordered twinned aggregates. Journal of Applied Crystallography, 1989, 22, 308-314.	4.5	6
141	The structure and microstructure of Î±-cristobalite and its relationship to Î²-cristobalite. Physics and Chemistry of Minerals, 1989, 16, 517-523.	0.8	63
142	A transmission electron microscopy study of cristobalite. Phase Transitions, 1989, 16, 41-45.	1.3	8
143	An electron diffraction and lattice-dynamical study of the diffuse scattering in Î²-cristobalite, SiO2. Journal of Applied Crystallography, 1988, 21, 458-465.	4.5	71
144	Scattering of two-dimensional models of microemulsions. Journal of Colloid and Interface Science, 1988, 123, 413-426.	9.4	20

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145	Calculation of elastic constants for crystalline acenaphthylene, C12H8, using semi-empirical atom-atom potentials. Journal of Physics and Chemistry of Solids, 1988, 49, 421-424.	4.0	11
146	Shear induced anisotropy in two-dimensional liquids. Physica A: Statistical Mechanics and Its Applications, 1988, 149, 406-431.	2.6	28
147	A study of the disordered low-temperature structure of acenaphthylene, C12H8, using semi-empirical potential-energy calculations. Journal of the Chemical Society Perkin Transactions II, 1988, , 1947.	0.9	2
148	Local order in a dense liquid. Physical Review A, 1988, 38, 1628-1631.	2.5	14
149	Condensed phonon modes and the recently discovered displacive superlattice of nickel arsenide. Journal of Physics C: Solid State Physics, 1988, 21, 309-318.	1.5	13
150	The crystal structure of nickel arsenide. Journal of Physics C: Solid State Physics, 1988, 21, 4007-4015.	1.5	20
151	Diffuse scattering in nickel arsenide, NiAs. Journal of Physics C: Solid State Physics, 1988, 21, 3863-3876.	1.5	12
152	X-ray diffuse scattering study of spatial correlations in para-terphenyl. Journal of Physics C: Solid State Physics, 1987, 20, 4773-4781.	1.5	5
153	Diffuse scattering and long-range order in the octahedral CDW/PLD-bearing transition-metal dichalcogenides. Journal of Physics C: Solid State Physics, 1987, 20, 5975-5982.	1.5	6
154	Optical transforms of disordered systems displaying diffuse intensity loci. Journal of Applied Crystallography, 1987, 20, 280-288.	4.5	11
155	Equations for diffuse scattering from disordered molecular crystals. Acta Crystallographica Section A: Foundations and Advances, 1987, 43, 718-727.	0.3	2
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