Walter Steurer

List of Publications by Year
in descending order

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196	6,354	94433	74163
papers	citations	37 h-index	75 g-index

210	210	210	5033
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gummelt versus LÃ¼ck decagon covering and beyond. Implications for decagonal quasicrystals. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, 36-41.	0.1	1
2	Experimental observation of carousel-like phason flips in the decagonal quasicrystal Al₆₀Cr₂₀Fe₁₀Si₁₀. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, 355-361.	0.1	3
3	Novel kind of decagonal ordering in Al74Cr15Fe11. Nature Communications, 2020, 11, 6209.	12.8	6
4	Single-phase high-entropy alloys â€“ A critical update. Materials Characterization, 2020, 162, 110179.	4.4	110
5	Quasicrystal-related mosaics with periodic lattices interlaid with aperiodic tiles. Acta Crystallographica Section A: Foundations and Advances, 2020, 76, 137-144.	0.1	3
6	Micro-compression studies of face-centered cubic and body-centered cubic high-entropy alloys: Size-dependent strength, strain rate sensitivity, and activation volumes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 790, 139429.	5.6	48
7	Discovery of a FeCoNiPdCu Highâ€Entropy Alloy with Excellent Magnetic Softness. Advanced Engineering Materials, 2019, 21, 1801055.	3.5	24
8	Quasicrystals: What do we know? What do we want to know? What can we know?. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 1-11.	0.1	81
9	Exceptionally large areas of local tenfold symmetry in decagonal Al59Cr21Fe10Si10. Journal of Alloys and Compounds, 2018, 765, 753-756.	5.5	7
10	Aperiodic Crystals. From Modulated Phases to Quasicrystals: Structure and Properties. Second edition. By Ted Janssen, Gervais Chapuis and Marc de Boissieu. Oxford University Press, 2018. Pp. 560. Price GBP 45.00 (paperback). ISBN 9780198824442.. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 712-713.	0.1	0
11	Kurt Bruckner's view on the Penrose tiling. Structural Chemistry, 2017, 28, 51-56.	2.0	1
12	Quasicrystal structure and growth models: discussion of the status quo and the still open questions. Journal of Physics: Conference Series, 2017, 809, 012001.	0.4	2
13	Superconductivity in thermally annealed Ta-Nb-Hf-Zr-Ti high-entropy alloys. Journal of Alloys and Compounds, 2017, 695, 3530-3540.	5.5	92
14	Superior room-temperature ductility of typically brittle quasicrystals at small sizes. Nature Communications, 2016, 7, 12261.	12.8	32
15	Bridging room-temperature and high-temperature plasticity in decagonal Alâ€“Niâ€“Co quasicrystals by micro-thermomechanical testing. Philosophical Magazine, 2016, 96, 3356-3378.	1.6	12
16	Structural-disorder and its effect on mechanical properties in single-phase TaNbHfZr high-entropy alloy. Acta Materialia, 2016, 106, 87-97.	7.9	234
17	Disappearance of plastic anisotropy in decagonal quasicrystals at small scales and room temperature. Extreme Mechanics Letters, 2016, 8, 229-234.	4.1	8
18	Factors governing structure and stability of intermetallics. , 2016, , 13-30.		0

#	Article	IF	Citations
19	Complex intermetallics (CIMs). , 2016, , 439-465.		0
20	Crystal structures of intermetallic compounds. , 2016, , 227-438.		0
21	Higher-dimensional approach. , 2016, , 68-82.		0
22	Crystal structures of the metallic elements. , 2016, , 183-226.		0
23	Quasicrystals (QCs). , 2016, , 466-488.		0
24	Statistical description and structural correlations. , 2016, , 83-180.		0
25	Structures and properties of functional intermetallics. , 2016, , 489-510.		0
26	Crystallographic description of crystal structures. , 2016, , 31-67.		0
27	Some Statistics on Intermetallic Compounds. Inorganic Chemistry, 2015, 54, 1120-1128.	4.0	38
28	Single-phase high-entropy alloys â€“ an overview. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, 55-68.	0.8	107
29	More statistics on intermetallic compounds â€“ ternary phases. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, 335-345.	0.1	32
30	High-temperature interaction of yttria stabilized zirconia coatings with CaOâ€“MgOâ€“Al2O3â€“SiO2 (CMAS) deposits. Surface and Coatings Technology, 2015, 265, 244-249.	4.8	44
31	Cluster Packing from a Higher Dimensional Perspective. , 2015, , 165-170.		0
32	Yell: a computer program for diffuse scattering analysisviathree-dimensional delta pair distribution function refinement. Journal of Applied Crystallography, 2014, 47, 1146-1152.	4.5	34
33	More of the â€œFullercagesâ€• Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 693-700.	1.2	6
34	Experimental uncertainties of three-dimensional pair distribution function investigations exemplified on the diffuse scattering from a tris-tert-butyl-1,3,5-benzene tricarboxamide single crystal. Journal of Applied Crystallography, 2014, 47, 2011-2018.	4.5	50
35	Decagonal quasicrystals â€“ What has been achieved?. Comptes Rendus Physique, 2014, 15, 40-47.	0.9	20
36	High-temperature structural study of decagonal Alâ€“Cuâ€“Rh. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 306-314.	1.1	12

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37	The quasiperiodic average structure of highly disordered decagonal Znâ€“Mgâ€“Dy and its temperature dependence. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 315-330.	1.1	9
38	Size-dependent plasticity in an Nb25Mo25Ta25W25 refractory high-entropy alloy. Acta Materialia, 2014, 65, 85-97.	7.9	391
39	Discovery of a Superconducting High-Entropy Alloy. Physical Review Letters, 2014, 113, 107001.	7.8	360
40	Structure of decagonal Alâ€“Niâ€“Rh. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 732-742.	1.1	3
41	Crystal Structures of Metallic Elements and Compounds. , 2014, , 1-101.		4
42	Quasicrystals â€“ A Paradigm Shift in Crystallography?. Chimia, 2014, 68, 45.	0.6	1
43	Structure and Properties of Refractory High-Entropy Alloys. , 2014, , 1093-1096.		1
44	A new cluster-based cubic phase in the Alâ€“Cuâ€“Ir system. Intermetallics, 2013, 32, 337-343.	3.9	14
45	On the Symmetry and Composition of Complex Intermetallics. Materials Research Society Symposia Proceedings, 2013, 1517, 1.	0.1	7
46	A new complex intermetallic phase in the system Alâ€“Cuâ€“Ta with familiar clusters and packing principles. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 238-248.	1.1	6
47	Correlating scanning tunneling spectroscopy with the electrical resistivity of Al-based quasicrystals and approximants. Physical Review B, 2013, 87, .	3.2	11
48	Fascinating quasicrystals. Chemical Society Reviews, 2012, 41, 6717.	38.1	3
49	Comparative structural study of decagonal quasicrystals in the systems Alâ€“Cuâ€“Me (Me =) Tj ETQq1 1 0.784314 rgBT	1.8	40
50	Laue centennial. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, 1-2.	0.3	10
51	Higher-dimensional crystallography ofN-fold quasiperiodic tilings. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, 266-277.	0.3	2
52	Why are quasicrystals quasiperiodic?. Chemical Society Reviews, 2012, 41, 6719.	38.1	52
53	Cluster packing from a higher dimensional perspective. Structural Chemistry, 2012, 23, 1115-1120.	2.0	11
54	Colloidal quasicrystals with 12-fold and 18-fold diffraction symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1810-1814.	7.1	226

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55	Quasikristalle â€" Schnittstellen zum Hyperraum. Nachrichten Aus Der Chemie, 2011, 59, 1035-1038.	0.0	1
56	Synthesis of decagonal Znâ€"Mgâ€"REcompounds. Philosophical Magazine, 2011, 91, 2466-2473.	1.6	2
57	Effect of 7YSZ on the long-term stability of YTaO4 doped ZrO2 system. Journal of the European Ceramic Society, 2011, 31, 2897-2901.	5.7	14
58	Calcia-doped yttria-stabilized zirconia for thermal barrier coatings: synthesis and characterization. Journal of Materials Science, 2011, 46, 5709-5714.	3.7	13
59	On a Realistic Growth Mechanism for Quasicrystals. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1943-1947.	1.2	12
60	Analysis and modelling of structural disorder by the use of the three-dimensional pair distribution function method exemplified by the disordered twofold superstructure of decagonal Alâ€"Cuâ€"Co. Journal of Applied Crystallography, 2011, 44, 134-149.	4.5	10
61	Ab initioreconstruction of difference densities by charge flipping. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, 9-20.	0.3	4
62	Unifying cluster-based structure models of decagonal Alâ€"Coâ€"Ni, Alâ€"Coâ€"Cu and Alâ€"Feâ€"Ni. Acta Crystallographica Section B: Structural Science, 2011, 67, 1-17.	1.8	26
63	Structural building principles of complex face-centered cubic intermetallics. Acta Crystallographica Section B: Structural Science, 2011, 67, 269-292.	1.8	50
64	Quasicrystals: Sections of Hyperspace. Angewandte Chemie - International Edition, 2011, 50, 10775-10778.	13.8	4
65	Ta2O5â€"Y2O3â€"ZrO2 system: Experimental study and preliminary thermodynamic description. Journal of the European Ceramic Society, 2011, 31, 249-257.	5.7	49
66	Mechanical properties of clusters in quasicrystal approximants: The example of the 1/1 Al-Cu-Fe approximant. Physical Review B, 2011, 84, .	3.2	1
67	Ab initio investigations on the stability of seven-fold approximants. Philosophical Magazine, 2011, 91, 2567-2578.	1.6	10
68	Basic Co-rich decagonal Al-Co-Ni: Superstructure. Physical Review B, 2010, 82, .	3.2	11
69	Ab initiostructure solution by iterative phase-retrieval methods: performance tests on charge flipping and low-density elimination. Journal of Applied Crystallography, 2010, 43, 89-100.	4.5	10
70	A comparative scanning tunneling spectroscopy investigation of the (12110)-surface of decagonal Alâ€"Niâ€"Co and the (100)-surface of its approximant Yâ€"Alâ€"Niâ€"Co. New Journal of Physics, 2010, 12, 073043.	2.9	10
71	The effect of thermal treatment on the magnetic state and cluster-related disorder of icosahedral Alâ€"Pdâ€"Mn quasicrystals. Intermetallics, 2010, 18, 623-632.	3.9	6
72	-Al13Co4, a new quasicrystal approximant. Journal of Alloys and Compounds, 2010, 500, 153-160.	5.5	34

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73	Preface: Proceedings of the ICQ10. Zeitschrift Fur Kristallographie - Crystalline Materials, 2009, 224, V-VI.	0.8	0
74	Large, larger, largest â€“ a family of cluster-based tantalum copper aluminides with giant unit cells. I. Structure solution and refinement. Acta Crystallographica Section B: Structural Science, 2009, 65, 308-317.	1.8	69
75	Large, larger, largest â€“ a family of cluster-based tantalum copper aluminides with giant unit cells. II. The cluster structure. Acta Crystallographica Section B: Structural Science, 2009, 65, 318-325.	1.8	55
76	Basic Co-rich decagonal Al-Co-Ni: Average structure. Physical Review B, 2009, 80, .	3.2	10
77	Crystal growth of copper-rich ytterbium compounds: The predicted giant unit cell structures YbCu4.4 and YbCu4.25. Intermetallics, 2009, 17, 6-10.	3.9	11
78	Stability range of the ternary W-phase in the system Alâ€“Coâ€“Ni. Journal of Alloys and Compounds, 2009, 481, 258-263.	5.5	2
79	Generalized Quasiperiodic Structures. Springer Series in Materials Science, 2009, , 359-371.	0.6	1
80	Phase Formation and Stability. Springer Series in Materials Science, 2009, , 321-357.	0.6	0
81	Structures with 3D Quasiperiodicity. Springer Series in Materials Science, 2009, , 291-319.	0.6	0
82	Higher-Dimensional Approach. Springer Series in Materials Science, 2009, , 61-188.	0.6	2
83	Structures with 2D Quasiperiodicity. Springer Series in Materials Science, 2009, , 249-289.	0.6	0
84	Structures with 1D Quasiperiodicity. Springer Series in Materials Science, 2009, , 247-248.	0.6	0
85	Diffuse Scattering and Disorder. Springer Series in Materials Science, 2009, , 231-242.	0.6	0
86	Tilings and Coverings. Springer Series in Materials Science, 2009, , 7-47.	0.6	0
87	Compressibility of Al64Pd30.4Fe5.6. Zeitschrift Fur Kristallographie - Crystalline Materials, 2009, 224, 119-122.	0.8	2
88	Fascinating quasicrystals. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, 1-11.	0.3	105
89	Reciprocal-space imaging of a real quasicrystal. A feasibility study with PILATUS 6M. Journal of Applied Crystallography, 2008, 41, 669-674.	4.5	19
90	Transition Metal Borides: Superhard versus Ultraâ€incompressible. Advanced Materials, 2008, 20, 3620-3626.	21.0	467

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91	Crystal structure and high-pressure studies of WAl2, an aluminide crystallizing with the CrSi2 structure type. Journal of Solid State Chemistry, 2008, 181, 2719-2724.	2.9	8
92	Bulk and surface structure of the clean and adsorbate-covered decagonal Alâ€“Coâ€“Ni quasicrystal. Journal of Physics Condensed Matter, 2008, 20, 314006.	1.8	11
93	On the compressibility of TiC in microcrystalline and nanoparticulate form. Journal of Physics Condensed Matter, 2008, 20, 445226.	1.8	7
94	The Coâ€“Ni distribution in decagonal Al69.7(4)Co10.0(4)Ni20.3(4). Zeitschrift FÃ¼r Kristallographie, 2008, 223, 863-867.	1.1	5
95	Diffuse and weak Bragg scattering from quasicrystals: pitfalls and opportunities. Zeitschrift FÃ¼r Kristallographie, 2008, 223, 833-838.	1.1	0
96	Preface: Proceedings of the ICQ10. Zeitschrift FÃ¼r Kristallographie, 2008, 223, V-VI.	1.1	0
97	In situstudy of icosahedral Znâ€“Mgâ€“Dy and Co-rich decagonal Alâ€“Coâ€“Ni at high pressures and high temperatures. Journal of Physics Condensed Matter, 2007, 19, 116203.	1.8	5
98	What is a crystal?: Introductory remarks to an ongoing discussion. Zeitschrift FÃ¼r Kristallographie, 2007, 222, 308-309.	1.1	17
99	Prediction of Bragg-scattering-induced band gaps in phononic quasicrystals. Physical Review B, 2007, 75, .	3.2	24
100	Ab initiostudy ofWâ^'Alâ^'Coâ^'Ni: An approximant of the decagonalAlâ^'Coâ^'Niquasicrystal. Physical Review B, 2007, 75, .	3.2	8
101	Prediction of band gaps in phononic quasicrystals based on single-rod resonances. Physical Review B, 2007, 75, .	3.2	6
102	The Samson phase, Î²-Mg2Al3, revisited. Zeitschrift FÃ¼r Kristallographie, 2007, 222, .	1.1	118
103	New stable decagonal quasicrystal in the system Alâ€“Irâ€“Os. Journal of Alloys and Compounds, 2007, 428, 164-172.	5.5	37
104	Quasiperiodic Photonic and Phononic Crystals. Solid State Phenomena, 2007, 130, 33-38.	0.3	0
105	Photonic and phononic quasicrystals. Journal Physics D: Applied Physics, 2007, 40, R229-R247.	2.8	230
106	Comparative high-pressure study and chemical bonding analysis of Rh3Bi14 and isostructural Rh3Bi12Br2. Journal of Solid State Chemistry, 2007, 180, 940-948.	2.9	17
107	Extending the charge-flipping method towards structure solution from incomplete data sets. Journal of Applied Crystallography, 2007, 40, 456-462.	4.5	28
108	Phase Evolution in Yttriaâ€Stabilized Zirconia Thermal Barrier Coatings Studied by Rietveld Refinement of Xâ€Ray Powder Diffraction Patterns. Journal of the American Ceramic Society, 2007, 90, 2935-2940.	3.8	171

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109	Physicochemical materials research. Powder Metallurgy and Metal Ceramics, 2007, 46, 357-364.	0.8	2
110	Trigonal Ir9Al28, a new structure type and approximant to decagonal quasicrystals. Journal of Alloys and Compounds, 2006, 407, 132-140.	5.5	29
111	Reflections on symmetry and formation of axial quasicrystals. Zeitschrift Fur Kristallographie - Crystalline Materials, 2006, 221, 402-411.	0.8	9
112	Thermophysical properties and deposition of B2 structure based Alâ€“Niâ€“Ruâ€“M alloys. Surface and Coatings Technology, 2005, 192, 131-138.	4.8	4
113	Structural phase transitions from and to the quasicrystalline state. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, 28-38.	0.3	37
114	Structural disorder in the decagonal Alâ€“Coâ€“Ni. II. Modeling. Physical Review B, 2005, 71, .	3.2	21
115	Conically shaped single-crystalline diamond backing plates for a diamond anvil cell. Review of Scientific Instruments, 2005, 76, 105104.	1.3	13
116	Structural disorder in the decagonalAlâ€“Coâ€“Ni. I. Patterson analysis of diffuse x-ray scattering data. Physical Review B, 2005, 71, .	3.2	30
117	Study of phase states and oxidation of B2-structure based Alâ€“Niâ€“Ruâ€“M alloys. Intermetallics, 2005, 13, 35-45.	3.9	14
118	Classical vibrational modes in phononic lattices: theory and experiment. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, .	0.8	189
119	A single-crystal high-pressure x-ray diffraction study of decagonal Alâ€“Coâ€“Cu up to 19.1 GPa. Journal of Physics Condensed Matter, 2004, 16, 7769-7777.	1.8	4
120	Twenty years of structure research on quasicrystals. Part I. Pentagonal, octagonal, decagonal and dodecagonal quasicrystals. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, .	0.8	220
121	Modelling Disorder of Decagonal Al-Co-Ni Quasicrystals. Ferroelectrics, 2004, 305, 185-188.	0.6	2
122	Ultrasonic investigation of phononic Penrose crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2716-2719.	0.8	6
123	The Disordered 8 Ã... Superstructure of a Decagonal Al70Co12Ni18Quasicrystal. Ferroelectrics, 2004, 305, 213-216.	0.6	3
124	X-ray diffraction study of decagonal Alâ”Coâ”Ni as a function of composition. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, .	0.8	17
125	Experimental evidence of the stability of net planes in decagonal quasicrystals. Journal of Non-Crystalline Solids, 2004, 334-335, 486-490.	3.1	2
126	Elastic properties of icosahedrali-Cd84Yb16and hexagonalh-Cd51Yb14. Philosophical Magazine Letters, 2004, 84, 643-653.	1.2	16

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127	PRESENT STATE OF KNOWLEDGE ON QUASICRYSTALS. , 2004, , .		0
128	Phononic Quasicrystals. Materials Research Society Symposia Proceedings, 2003, 805, 126.	0.1	0
129	The Stability of Icosahedral Cd-Yb. Materials Research Society Symposia Proceedings, 2003, 805, 80.	0.1	0
130	Reciprocal-space imaging and the use of a diamond-anvil cell: a single-crystal high-pressure study of a quasicrystal up to 10.7 GPa. Philosophical Magazine Letters, 2003, 83, 525-531.	1.2	12
131	Crystallography and crystallographers. Personal reflections on the past, the present and the future of crystallography on the occasion of the 125-year anniversary of Zeitschrift fÃ¼r Kristallographie. Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, .	0.8	1
132	General periodic average structures of decagonal quasicrystals. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, 180-184.	0.3	27
133	Structure solution of the basic decagonal Alâ€“Coâ€“Ni phase by the atomic surfaces modelling method. Acta Crystallographica Section B: Structural Science, 2002, 58, 8-33.	1.8	82
134	The quasicrystal-to-crystal transformation. II. Landau theory. Zeitschrift Fur Kristallographie - Crystalline Materials, 2001, 216, 573-585.	0.8	10
135	Quasiperiodicity in decagonal phases forced by inclined net planes?. Acta Crystallographica Section A: Foundations and Advances, 2001, 57, 333-340.	0.3	33
136	Modelling and solving decagonal quasicrystals. Ferroelectrics, 2001, 250, 237-240.	0.6	1
137	Structure solution of a high-order decagonal approximant Al71Co14.5Ni14.5by maximum entropy patterson deconvolution. Ferroelectrics, 2001, 250, 245-248.	0.6	5
138	Structural relationships between decagonal Al-Co-Ni and its approximants. Ferroelectrics, 2001, 250, 377-380.	0.6	5
139	The quasicrystal online database. Ferroelectrics, 2001, 250, 373-376.	0.6	0
140	Correction of specimen absorption in X-ray diffuse scattering experiments with area-detector systems. Journal of Applied Crystallography, 2000, 33, 35-48.	4.5	21
141	Phase transitions in quasicrystals â€” the example of decagonal Alâ€“Coâ€“Ni. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 17-22.	5.6	7
142	Geometry of quasicrystal-to-crystal transformations. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 268-271.	5.6	12
143	The quasicrystal-to-crystal transformation by Landau theory. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 272-275.	5.6	0
144	Weak Bragg scattering in icosahedral Mg-Y-Zn. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 237-241.	5.6	5

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145	Modeling atomic surfaces for the Alâ€“Niâ€“Co basic decagonal phase. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 276-278.	5.6	4
146	Towards the real structure of quasicrystals and approximants by analysing diffuse scattering and deconvolving the Patterson. Zeitschrift Fur Kristallographie - Crystalline Materials, 2000, 215, 584-596.	0.8	14
147	The quasicrystal-to-crystal transformation. I. Geometrical principles. Zeitschrift Fur Kristallographie - Crystalline Materials, 2000, 215, 323-334.	0.8	29
148	Editorial: Proceedings of the Workshop on Quasicrystal Structure Analysis â€“ a satellite meeting to ICQ7. Zeitschrift Fur Kristallographie - Crystalline Materials, 2000, 215, II-II.	0.8	0
149	X-ray structure determination of quasicrystals â€“ limits and potentiality. Zeitschrift Fur Kristallographie - Crystalline Materials, 2000, 215, .	0.8	9
150	Approximants â€” the Key to the Structure of Quasicrystals. Materials Research Society Symposia Proceedings, 2000, 643, 321.	0.1	2
151	A high-temperature furnace for X-ray diffraction with directly machined Î±-Al2O3ceramic parts. Journal of Applied Crystallography, 1999, 32, 833-836.	4.5	13
152	The periodic average structure of particular quasicrystals. Acta Crystallographica Section A: Foundations and Advances, 1999, 55, 48-57.	0.3	57
153	Time-of-flight neutron-scattering study of phason hopping in decagonal Al-Co-Ni quasicrystals. Physical Review B, 1999, 60, 270-276.	3.2	33
154	Structure and disorder phenomena of cubic Al39Fe2Pd21 in comparison with related structures. Journal of Alloys and Compounds, 1998, 269, 7-12.	5.5	44
155	Diffuse scattering data acquisition techniques. Phase Transitions, 1998, 67, 165-195.	1.3	78
156	Disorder diffuse scattering from quasicrystals. Phase Transitions, 1998, 67, 319-362.	1.3	22
157	Derivation of the proper basis of quasicrystals. Physical Review B, 1998, 57, 11223-11231.	3.2	21
158	X-ray diffraction study of decaprismatic Al-Co-Ni crystals as a function of composition and temperature. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 75, 1665-1675.	0.6	36
159	Phason-strain analysis of the twinned approximant to the decagonal quasicrystalAl70Co15Ni15: Evidence for a one-dimensional quasicrystal. Physical Review B, 1997, 55, 187-192.	3.2	34
160	The growth of decagonal Alâ€“Coâ€“Ni single crystals as a function of chemical composition. Journal of Materials Research, 1997, 12, 2274-2280.	2.6	14
161	Structure of Nanocrystalline TiO2 Powders and Precursor to Their Highly Efficient Photosensitizer. Chemistry of Materials, 1997, 9, 430-439.	6.7	234
162	A new single-crystal mounting technique for low-background high-temperature X-ray diffraction. Journal of Applied Crystallography, 1997, 30, 1162-1164.	4.5	6

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163	A helium beam path for an imaging-plate detector system. Journal of Applied Crystallography, 1997, 30, 1165-1166.	4.5	5
164	High-Temperature Furnace for an Imaging-Plate Data-Acquisition System. Journal of Applied Crystallography, 1996, 29, 365-370.	4.5	5
165	X-Ray Investigation of a Coâ^'0.25 wt% C Alloy: Stacking Disorder in the Martensite Phase and Reverse H.C.P. to F.C.C. Martensitic Transformation. Physica Status Solidi A, 1996, 154, 517-530.	1.7	5
166	Structural model of the Al[sbnd]Pd decagonal quasicrystal. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1996, 74, 299-305.	0.6	8
167	New crystalline approximant of the decagonal quasicrystal in Al[sbnd]Pd[sbnd]Ru alloy. Philosophical Magazine Letters, 1995, 72, 239-244.	1.2	12
168	Structural models of high-order approximants of the Al-Mn-Pd decagonal quasicrystal. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1995, 71, 1101-1110.	0.6	5
169	Experimental aspects of the structure analysis of aperiodic materials. , 1995, , 203-228.		1
170	Pressure-induced phase transitions in MO₈O₂₃. Phase Transitions, 1994, 47, 1-8.	1.3	4
171	An examination of a multiple-twinned periodic approximant of the decagonal phase Al70Co15Ni15. Journal of Physics Condensed Matter, 1994, 6, 6177-6187.	1.8	25
172	The structure of decagonal Al70.5Mn16.5Pd13. Journal of Physics Condensed Matter, 1994, 6, 613-632.	1.8	36
173	The Structure of Quasicrystals. Materials Science Forum, 1994, 150-151, 15-34.	0.3	21
174	Quasicrystal versus twinned approximant: A quantitative analysis with decagonal Al₇₀Co₁₅Ni₁₅. Philosophical Magazine Letters, 1994, 70, 379-384.	1.2	12
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