

# Michael Feuerbacher

## List of Publications by Year in descending order

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4,163  
citations

136740

32  
h-index

133063

59  
g-index

150  
all docs

150  
docs citations

150  
times ranked

2902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic structure of $\text{AlMg}_3$ and $\text{AlMg}_2$ intermetallics. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153363.	1.1	3
2	Nanostructure and local polymorphism in $\text{Al}$ -rare-earths-based high-entropy alloys. <i>Materials Characterization</i> , 2021, 172, 110837.	1.9	4
3	Structural complexity of the intermetallic compound $\text{o-Al}_{13}\text{Co}_4$ . <i>Journal of Alloys and Compounds</i> , 2020, 820, 153363.	2.8	7
4	Temperature Dependent Solid Solution Strengthening in the High Entropy Alloy $\text{CrMnFeCoNi}$ in Single Crystalline State. <i>Metals</i> , 2020, 10, 1412.	1.0	10
5	Dislocation plasticity in $\text{FeCoCrMnNi}$ high-entropy alloy: quantitative insights from <i>in situ</i> transmission electron microscopy deformation. <i>Materials Research Letters</i> , 2020, 8, 216-224.	4.1	35
6	Magnetic phase diagram and magnetoresistance of $\text{Gd-Tb-Dy-Ho-Lu}$ hexagonal high-entropy alloy. <i>Intermetallics</i> , 2019, 105, 163-172.	1.8	16
7	A single-phase bcc high-entropy alloy in the refractory $\text{Zr-Nb-Ti-V-Hf}$ system. <i>Scripta Materialia</i> , 2018, 152, 40-43.	2.6	78
8	Entropy Determination of Single-Phase High Entropy Alloys with Different Crystal Structures over a Wide Temperature Range. <i>Entropy</i> , 2018, 20, 654.	1.1	49
9	Disordered ferromagnetic state in the $\text{Ce-Gd-Tb-Dy-Ho}$ hexagonal high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2018, 742, 877-886.	2.8	18
10	Microstructural and mechanical characterization of an equiatomic $\text{YGd Tb Dy Ho}$ high entropy alloy with hexagonal close-packed structure. <i>Acta Materialia</i> , 2018, 156, 86-96.	3.8	58
11	Interface-driven formation of a two-dimensional dodecagonal fullerene quasicrystal. <i>Nature Communications</i> , 2017, 8, 15367.	5.8	16
12	Superconductivity in thermally annealed $\text{Ta-Nb-Hf-Zr-Ti}$ high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3530-3540.	2.8	92
13	Mechanical size effects in a single crystalline equiatomic $\text{FeCrCoMnNi}$ high entropy alloy. <i>Scripta Materialia</i> , 2017, 129, 52-55.	2.6	46
14	Single-crystal growth of a $\text{FeCoCrMnAl}$ high-entropy alloy. <i>Materials Research Letters</i> , 2017, 5, 128-134.	4.1	18
15	Dislocations and deformation microstructure in a $\text{B}_2$ -ordered $\text{Al}_{28}\text{Co}_{20}\text{Cr}_{11}\text{Fe}_{15}\text{Ni}_{26}$ high-entropy alloy. <i>Scientific Reports</i> , 2016, 6, 29700.	1.6	56
16	Structural anomaly in the high-entropy alloy $\text{ZrNbTiTaHf}$ . <i>Intermetallics</i> , 2016, 68, 11-15.	1.8	21
17	Complex magnetism of $\text{Ho-Dy-Y-Gd-Tb}$ hexagonal high-entropy alloy. <i>Physical Review B</i> , 2015, 92, .	1.1	72
18	Hexagonal High-entropy Alloys. <i>Materials Research Letters</i> , 2015, 3, 1-6.	4.1	239

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19	Plastic deformation properties of Zr-Nb-Ti-Ta-Hf high-entropy alloys. Philosophical Magazine, 2015, 95, 1221-1232.	0.7	42
20	Comprehensive model of metadislocation movement in Al <sub>13</sub> Co <sub>4</sub> . Scripta Materialia, 2015, 98, 24-27.	2.6	12
21	Core Structure and Motion of Metadislocations in the Orthorhombic Structurally Complex Alloy Al <sub>13</sub> Co <sub>4</sub> . Materials Research Letters, 2014, 2, 146-151.	4.1	11
22	Discovery of a Superconducting High-Entropy Alloy. Physical Review Letters, 2014, 113, 107001.	2.9	360
23	On the stability of metadislocations with 16 associated phason planes. Intermetallics, 2014, 53, 187-191.	1.8	0
24	Metadislocations in Complex Metallic Alloys. Microscopy and Microanalysis, 2014, 20, 1026-1027.	0.2	2
25	Structural investigation of Pb adsorption on the (010) surface of the orthorhombic T-Al <sub>3</sub> (Mn,Pd) crystal. Surface Science, 2013, 611, 74-79.	0.8	2
26	Electron microscopy investigations of metal-support interaction effects in M/Y <sub>2</sub> O <sub>3</sub> and M/ZrO <sub>2</sub> thin films (M=Cu, Ni). Materials Chemistry and Physics, 2013, 143, 167-177.	2.0	2
27	Metadislocation core structure and atomic model for metadislocation motion. Acta Materialia, 2013, 61, 3851-3857.	3.8	8
28	Physical properties of the V-Al <sub>5</sub> Cu <sub>6</sub> Mg <sub>2</sub> complex intermetallic phase. Intermetallics, 2013, 39, 50-57.	1.8	6
29	Stabilization mechanism of $\hat{\Gamma}^3$ -Mg <sub>17</sub> Al <sub>12</sub> and $\hat{\Gamma}^2$ -Mg <sub>2</sub> Al <sub>3</sub> complex metallic alloys. Journal of Physics Condensed Matter, 2013, 25, 425703.	0.7	10
30	Metadislocations: The case of pure glide. Materials Research Society Symposia Proceedings, 2013, 1517, 1.	0.1	1
31	Electrical, magnetic, and thermal properties of the $\hat{\Gamma}^1$ -FeZn <sub>10</sub> complex intermetallic phase. Physical Review B, 2012, 86, .	1.1	13
32	Dislocations in icosahedral quasicrystals. Chemical Society Reviews, 2012, 41, 6745.	18.7	12
33	Al <sub>13</sub> Fe <sub>4</sub> as a low-cost alternative for palladium in heterogeneous hydrogenation. Nature Materials, 2012, 11, 690-693.	13.3	344
34	A comparison of crystalline and quasicrystalline Al-Mn-Fe compounds. Hyperfine Interactions, 2012, 207, 109-112.	0.2	0
35	Elastic energy of metadislocations in complex metallic alloys. Acta Materialia, 2012, 60, 1703-1711.	3.8	6
36	Magnetic properties of FeAl <sub>2</sub> and FeAl <sub>2</sub> Al <sub>2</sub>	1.1	25

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37	The Al-rich region of the Al-Mn-Ni alloy system. Part II. Phase equilibria at 620-1000°C. Journal of Alloys and Compounds, 2011, 509, 3795-3805.	2.8	23
38	The Al-rich region of the Al-Mn-Ni alloy system. Part I: Ternary phases at 750-950°C. Journal of Alloys and Compounds, 2011, 509, 3787-3794.	2.8	14
39	Novel defects in Al-Pd-Fe complex metallic alloys: A micromechanical modelling approach. Intermetallics, 2011, 19, 99-104.	1.8	3
40	Metadislocations in Complex Metallic Alloys and their Relation to Dislocations in Icosahedral Quasicrystals. Israel Journal of Chemistry, 2011, 51, 1235-1245.	1.0	2
41	Metadislocations in the complex metallic alloys Al-Mn (Pd, Fe). Acta Materialia, 2011, 59, 4458-4466.	3.8	11
42	Mössbauer investigations of crystalline and quasicrystalline Al <sub>3</sub> (Mn,Fe) compounds. Journal of Physics Condensed Matter, 2011, 23, 475501.	0.7	2
43	Electrical resistivity of the $\frac{1}{4}$ -Al <sub>4</sub> Mn giant-unit-cell complex metallic alloy. Philosophical Magazine, 2011, 91, 2756-2764.	0.7	2
44	Lead adsorption on the Al <sub>13</sub> Co <sub>4</sub> (100) surface: heterogeneous nucleation and pseudomorphic growth. New Journal of Physics, 2011, 13, 103011.	1.2	17
45	Studies of the time dependence of the magnetization of T-Al <sub>3</sub> Mn(Pd,Fe) compounds. Journal of Physics: Conference Series, 2010, 200, 032002.	0.3	3
46	High Temperature Oxidation of the Al <sub>3</sub> Mg <sub>2</sub> Complex Metallic Alloy. Oxidation of Metals, 2010, 73, 219-232.	1.0	12
47	Plastic-deformation mechanism in complex solids. Nature Materials, 2010, 9, 332-336.	13.3	62
48	Anisotropic physical properties of the Taylor-phase $T-Al_{13}Co_4$ . Physical Review B, 2010, 81, .	1.1	15
49	Structure of the (010) surface of the orthorhombic complex metallic alloy $T-Al_{13}Co_4$ . Physical Review B, 2010, 81, .	1.1	22
50	Chapter 94 Metadislocations. Dislocations in Solids, 2010, , 109-170.	1.6	7
51	Fermi surface Brillouin-zone-induced pseudogap in $\hat{1}^3$ -Mg <sub>17</sub> Al <sub>12</sub> and a possible stabilization mechanism of $\hat{1}^2$ -Al <sub>3</sub> Mg <sub>2</sub> . Journal of Physics Condensed Matter, 2010, 22, 485501.	0.7	9
52	Composite defects in the complex metallic alloy c2-Al-Pd-Fe. Intermetallics, 2010, 18, 1560-1564.	1.8	1
53	Plastic deformation properties of the complex metallic alloy phase $\hat{1}^4$ -Al-Mn. Intermetallics, 2010, 18, 1737-1743.	1.8	4
54	On the mechanical and tribological behavior of Al <sub>3</sub> Mg <sub>2</sub> complex metallic alloys as bulk material and as coating. Intermetallics, 2010, 18, 2096-2104.	1.8	19

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55	Hall effect in Taylor-phase and decagonal Al <sub>3</sub> (Mn,Fe) complex intermetallics. Zeitschrift Fur Kristallographie - Crystalline Materials, 2009, 224, 49-52.	0.4	3
56	High-resolution scanning tunneling microscopy investigation of the (12110) and (10000) two-fold symmetric $d$ -Al-Ni-Co quasicrystalline surfaces. Physical Review B, 2009, 80, .	1.1	16
57	Structure investigation of the (100) surface of the orthorhombic $Al$ Physical Review B, 2009, 80, .	1.1	43
58	Crystal growth of copper-rich ytterbium compounds: The predicted giant unit cell structures YbCu <sub>4.4</sub> and YbCu <sub>4.25</sub> . Intermetallics, 2009, 17, 6-10.	1.8	11
59	Interaction of hydrogen with the $\hat{I}^2$ -Al <sub>3</sub> Mg <sub>2</sub> complex metallic alloy: Experimental reliability of theoretical predictions. Journal of Alloys and Compounds, 2009, 472, 565-570.	2.8	18
60	NMR evidence for Co $\hat{A}$ Co molecular groups trapped in cages of Co <sub>4</sub> Al <sub>13</sub> . Journal of Alloys and Compounds, 2009, 480, 141-143.	2.8	17
61	Experimental signatures of spiky local density of states in quasicrystals. Physical Review B, 2009, 79, .	1.1	31
62	Anomalous transport in rhombohedral MgM <sub>2</sub> Al <sub>3</sub> . Journal of Physics: Conference Series, 2009, 150, 022070.	0.3	0
63	Hydrogen absorption and desorption in rapidly solidified Mg- Al alloys. Journal of Physics: Conference Series, 2009, 144, 012016.	0.3	3
64	Compressibility of Al <sub>64</sub> Pd <sub>30.4</sub> Fe <sub>5.6</sub> . Zeitschrift Fur Kristallographie - Crystalline Materials, 2009, 224, 119-122.	0.4	2
65	Phase transformations in mechanically milled and annealed single-phase $\hat{I}^2$ -Al <sub>3</sub> Mg <sub>2</sub> . Acta Materialia, 2008, 56, 1136-1143.	3.8	27
66	Novel metadislocation variants in orthorhombic Al $\hat{A}$ Pd $\hat{A}$ Fe. Acta Materialia, 2008, 56, 1849-1856.	3.8	26
67	Anelastic strain and structural anisotropy in homogeneously deformed Cu <sub>64.5</sub> Zr <sub>35.5</sub> metallic glass. Acta Materialia, 2008, 56, 5575-5583.	3.8	18
68	Quasicrystal plasticity in the framework of a constitutive model: Interaction of the microstructural parameters at high strain rates. Philosophical Magazine, 2008, 88, 2325-2331.	0.7	1
69	Reinvestigation of the Al $\hat{A}$ Mn $\hat{A}$ Pd alloy system in the vicinity of the T- and R-phases. Intermetallics, 2008, 16, 71-87.	1.8	46
70	Single-crystal growth of the complex metallic alloy phase Mg <sub>32</sub> (Al,Zn) <sub>49</sub> . Intermetallics, 2008, 16, 943-947.	1.8	20
71	Structural variations in $\mu$ -type Al $\hat{A}$ Pd $\hat{A}$ (Mn, Fe) complex metallic alloy phases. Philosophical Magazine, 2008, 88, 507-521.	0.7	9
72	X-ray photoelectron diffraction on the 6-fold (001) $\hat{I}^4$ -Al <sub>4</sub> Mn approximant surface. Philosophical Magazine, 2008, 88, 2095-2102.	0.7	7

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73	Metadislocations in the structurally complex orthorhombic alloy $Al_{13}Co_4$ . Philosophical Magazine, 2008, 88, 2333-2338.	0.7	22
74	Thermal and electrical conductivities in Al-based complex metallic alloys. Philosophical Magazine, 2008, 88, 2155-2162.	0.7	4
75	Magneto-resistance and Hall effect of the complex metal alloy $Mg_2Al_3$ . Physical Review B, 2008, 78, .	1.1	4
76	Broken ergodicity, memory effect, and rejuvenation in Taylor-phase and decagonal $Al_{13}Co_4$ . Philosophical Magazine, 2008, 88, 2333-2338.	1.1	34
77	Orientation-dependent NMR study of the giant-unit-cell intermetallics $Al_3Mg_2$ , Bergman-phase $Mg_{32}(Al,Zn)_{49}$ , and $Al_7Pd_2Mn_4$ . Physical Review B, 2007, 75, .	1.1	14
78	Electrical, magnetic, thermal and thermoelectric properties of the Bergman phase $Mg_{32}(Al,Zn)_{49}$ complex metallic alloy. Journal of Alloys and Compounds, 2007, 430, 29-38.	2.8	21
79	Single-crystal plasticity of the complex metallic alloy phase $Al_3Mg_2$ . Intermetallics, 2007, 15, 833-837.	1.8	26
80	Magnetic and transport properties of the giant-unit-cell $Al_3.26Mg_2$ complex metallic alloy. Intermetallics, 2007, 15, 1367-1376.	1.8	28
81	Plastic deformation properties of the orthorhombic complex metallic alloy phase $Al_{13}Co_4$ . Intermetallics, 2007, 15, 1425-1431.	1.8	28
82	Single-crystal growth of the complex metallic alloy phase $Al_3Mg_2$ . Intermetallics, 2007, 15, 1678-1685.	1.8	12
83	Superconductivity in the complex metallic alloy $Al_3Mg_2$ . Physical Review B, 2007, 76, .	1.1	44
84	Dynamics of phason diffusion in icosahedral $AlPdMn$ quasicrystals. Acta Materialia, 2006, 54, 3233-3240.	3.8	25
85	Metadislocation arrangements in the complex metallic alloy $Al_3PdMn$ . Philosophical Magazine, 2006, 86, 985-990.	0.7	10
86	On the concept of metadislocations in complex metallic alloys. Philosophical Magazine, 2006, 86, 935-944.	0.7	20
87	On the nature of phason planes in the complex metallic alloy $Al_3PdMn$ . Acta Materialia, 2005, 53, 3833-3840.	3.8	11
88	Metadislocation reactions and metadislocation networks in the complex metallic alloy $Al_3PdMn$ . Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 400-401, 89-92.	2.6	9
89	Defects and Diffusion in d-AlNiCo-Quasicrystals - Application of Mechanical Spectroscopy. Defect and Diffusion Forum, 2005, 237-240, 322-327.	0.4	2
90	Creation and annihilation of free volume during homogeneous flow of a metallic glass. Journal of Applied Physics, 2005, 97, 033506.	1.1	161

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91	Magnetic, electrical, thermal transport, and thermoelectric properties of the $\sqrt{3}\sqrt{2}$ complex metallic alloy phases in the Al-Pd-Mn system. <i>Physical Review B</i> , 2005, 72, .	1.1	23
92	High-voltage Transmission Electron Microscope in situ Study on Dislocation Motion in Decagonal Al-Ni-Co Single Quasicrystals. <i>Journal of Materials Research</i> , 2005, 20, 1814-1824.	1.2	3
93	Dislocations and dislocation reactions in decagonal Al-Ni-Co quasicrystals. <i>Physical Review B</i> , 2004, 69, .	1.1	9
94	Dislocations in basic-nickel decagonal Al-Ni-Co single quasicrystals. <i>Philosophical Magazine Letters</i> , 2004, 84, 471-481.	0.5	3
95	Defects in complex intermetallics and quasicrystals. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 84-89.	2.6	7
96	[010] dislocations in the complex metallic alloy $\sqrt{3}\sqrt{2}$ -Al-Pd-Mn. <i>Acta Materialia</i> , 2004, 52, 1297-1304.	3.8	5
97	Plastic deformation of decagonal Al <sub>73</sub> Ni <sub>10</sub> Co <sub>17</sub> single quasicrystals. <i>Philosophical Magazine</i> , 2004, 84, 705-718.	0.7	7
98	In-situ observation of dislocation motion in icosahedral Al-Pd-Mn quasicrystals. <i>Philosophical Magazine</i> , 2004, 84, 2777-2792.	0.7	36
99	Plastic behaviour of decagonal Al-Ni-Co single quasicrystals. <i>Scripta Materialia</i> , 2003, 49, 25-31.	2.6	11
100	Structure of dislocations and stacking faults in the complex intermetallic $\sqrt{3}\sqrt{2}$ -(Al-Pd-Mn) phase. <i>Philosophical Magazine</i> , 2003, 83, 4103-4122.	0.7	33
101	Constitutive model of quasicrystal plasticity: Strain-rate and temperature dependence. <i>Materials Research Society Symposia Proceedings</i> , 2003, 805, 158.	0.1	0
102	Plasticity of decagonal Al <sub>73</sub> Ni <sub>10</sub> Co <sub>17</sub> quasicrystals. <i>Materials Research Society Symposia Proceedings</i> , 2003, 805, 182.	0.1	0
103	Structural perfection and the electrical and magnetic responses of icosahedral AlPdMn quasicrystals. <i>Physical Review B</i> , 2003, 68, .	1.1	8
104	Atomic jumps in quasiperiodic Al <sub>72.6</sub> Ni <sub>10.5</sub> Co <sub>16.9</sub> and related crystalline material. <i>Physical Review B</i> , 2002, 65, .	1.1	9
105	Plasticity of Quasicrystalline Alloys and their Crystalline Intermetallic Approximants. <i>Radiation Effects and Defects in Solids</i> , 2002, 157, 137-144.	0.4	0
106	Cluster structure and low-energy planes in icosahedral Al-Pd-Mn quasicrystals. <i>Journal of Alloys and Compounds</i> , 2002, 342, 164-168.	2.8	5
107	Microstructural analysis of plastically deformed icosahedral Zn-Mg-Dy single quasicrystals. <i>Journal of Alloys and Compounds</i> , 2002, 342, 330-336.	2.8	7
108	Mechanical Properties of Quasicrystals. <i>Springer Series in Materials Science</i> , 2002, , 305-318.	0.4	2

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109	Defects. Springer Series in Materials Science, 2002, , 262-279.	0.4	0
110	A constitutive model for quasicrystal plasticity. Philosophical Magazine Letters, 2001, 81, 473-482.	0.5	24
111	Self- Diffusion of Ni and Co in Decagonal Al-Ni-Co Quasicrystals. Defect and Diffusion Forum, 2001, 194-199, 873-882.	0.4	9
112	Plastic deformation properties of the orthorhombic $\beta'$ -(Al-Pd-Mn) quasicrystal approximant. Philosophical Magazine Letters, 2001, 81, 639-647.	0.5	25
113	Plastic deformation behaviour of decagonal Al <sub>70</sub> Ni <sub>15</sub> Co <sub>15</sub> single quasicrystals. Philosophical Magazine Letters, 2001, 81, 339-349.	0.5	9
114	Antiphase domains in plastically deformed Zn-Mg-Dy single quasicrystals. Physical Review B, 2001, 64, .	1.1	6
115	Plastic deformation of icosahedral Al-Pd-Mn single quasicrystals I. Experimental results. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2000, 80, 1151-1163.	0.8	40
116	Dislocation Dynamics in Icosahedral Al-Pd-Mn Single Quasicrystals. Materials Research Society Symposia Proceedings, 2000, 643, 651.	0.1	0
117	Icosahedral Tiâ€“Zrâ€“Ni and hydrogenated Tiâ€“Zrâ€“Ni quasicrystals under high pressure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 804-805.	2.6	13
118	Bending experiments on the $\beta'$ -(Al-Pd-Mn) quasicrystal approximant. Philosophical Magazine Letters, 2000, 80, 11-18.	0.5	12
119	Plastic deformation of icosahedral Zn-Mg-Dy single quasicrystals. Philosophical Magazine Letters, 2000, 80, 129-136.	0.5	12
120	Determination of the Burgers vector of dislocations in icosahedral quasicrystals by a high-resolution lattice-fringe technique. Philosophical Magazine Letters, 2000, 80, 281-288.	0.5	5
121	Plastic deformation of icosahedral Al-Pd-Mn single quasicrystals II. Interpretation of the experimental results. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2000, 80, 1165-1181.	0.8	33
122	Mechanical spectroscopy of quasicrystals. Journal of Alloys and Compounds, 2000, 310, 184-189.	2.8	10
123	Electron diffraction analysis of plastically deformed icosahedral Al-Pd-Mn single quasicrystals. Philosophical Magazine Letters, 1999, 79, 333-342.	0.5	18
124	Novel Type of Dislocation in an Al-Pd-Mn Quasicrystal Approximant. Physical Review Letters, 1999, 82, 3468-3471.	2.9	67
125	Thermal and electrical transport properties of the single-phase quasicrystalline material: Al <sub>70.8</sub> Pd <sub>20.9</sub> Mn <sub>8.3</sub> . Applied Physics Letters, 1999, 75, 1854-1856.	1.5	79
126	Plastic deformation of icosahedral quasicrystals. Radiation Effects and Defects in Solids, 1999, 148, 65-83.	0.4	0



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127	Mechanical Properties of Quasicrystals. Springer Series in Solid-state Sciences, 1999, , 361-401.	0.3	13
128	Dislocation density evolution upon plastic deformation of Al-Pd-Mn single quasicrystals. Philosophical Magazine Letters, 1999, 79, 785-796.	0.5	54
129	Friction mechanism of dislocation motion in icosahedral Al-Pd-Mn quasicrystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 2123-2135.	0.8	49
130	Investigation of the cluster substructure of icosahedral Al-Pd-Mn quasicrystals by means of exit-plane wavefunction reconstruction in high-resolution electron microscopy. Philosophical Magazine Letters, 1998, 78, 127-137.	0.5	8
131	Dislocation reactions in icosahedral Al-Pd-Mn quasicrystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 77, 523-540.	0.8	15
132	Atomic model of dislocations in Al-Pd-Mn icosahedral quasicrystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 77, 1481-1497.	0.8	31
133	Stacking faults in high-temperature-deformed Al-Pd-Mn icosahedral quasicrystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 78, 273-284.	0.8	30
134	High-Temperature In Situ Straining Experiments in the High-Voltage Electron Microscope. Microscopy and Microanalysis, 1998, 4, 226-234.	0.2	9
135	Mechanical Behavior of Quasicrystals. MRS Bulletin, 1997, 22, 65-68.	1.7	53
136	Diffusion of $^{54}\text{Mn}$ and $^{59}\text{Fe}$ in Icosahedral Single Quasicrystals - Temperature and Pressure Dependence. Defect and Diffusion Forum, 1997, 143-147, 843-848.	0.4	15
137	Plastic deformation of decagonal Al-Ni-Co quasicrystals. Philosophical Magazine Letters, 1997, 76, 369-376.	0.5	53
138	On the energy ratio between the phonon and the phason part of dislocations in icosahedral Al-Pd-Mn quasicrystals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 455-470.	0.8	15
139	The plasticity of icosahedral quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 233, 103-110.	2.6	123
140	Evidence for a Cluster-Based Structure of AlPdMn Single Quasicrystals. Physical Review Letters, 1996, 77, 3827-3830.	2.9	161
141	Mechanical spectroscopy of Al-Pd-Mn single quasicrystals. Philosophical Magazine Letters, 1996, 74, 81-88.	0.5	35
142	Phason Relaxation Mechanisms in Al-Pd-Mn Single-Quasicrystals. European Physical Journal Special Topics, 1996, 06, C8-239-C8-242.	0.2	1
143	Experimental aspects of attenuated total reflectance spectroscopy in the infrared. Vibrational Spectroscopy, 1995, 8, 135-140.	1.2	8
144	In-situobservation of dislocation motion in icosahedral Al-Pd-Mn single quasicrystals. Philosophical Magazine Letters, 1995, 71, 99-105.	0.5	102

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145	Study of plastically deformed icosahedral Al <sub>13</sub> Pd <sub>3</sub> Mn single quasicrystals by transmission electron microscopy. Philosophical Magazine Letters, 1995, 72, 375-384.	0.5	82
146	Intrinsic deformation properties of icosahedral Al-Pd-Mn single quasicrystals. Philosophical Magazine Letters, 1995, 71, 91-98.	0.5	71
147	Mössbauer and Magnetization Measurements of Al <sub>3</sub> Mn(Pd,Fe) Compounds. Solid State Phenomena, 0, 170, 127-130.	0.3	2