

Ryuji Tamura

List of Publications by Year in descending order

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164
papers

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165
all docs

165
docs citations

165
times ranked

927
citing authors

#	ARTICLE	IF	CITATIONS
1	Classical and Quantum Magnetic Ground States on an Icosahedral Cluster. Materials Transactions, 2021, 62, 367-373.	0.4	9
2	Magnetism of Tsai-Type Quasicrystal Approximants. Materials Transactions, 2021, 62, 298-306.	0.4	24
3	Composition Effect of Kondo Behavior in Au ₁ Al ₁ Ce Quasicrystalline Approximants. Materials Transactions, 2021, 62, 321-324.	0.4	1
4	High Dimensional Approach to Antiferromagnetic Aperiodic Spin Systems. Materials Transactions, 2021, 62, 307-311.	0.4	1
5	Pentacene growth on the (111) surface of the 1/1 Au-Al-Tb approximant: Influence of surface geometry on adsorption. Physical Review Materials, 2021, 5, .	0.9	0
6	Machine Learning to Predict Quasicrystals from Chemical Compositions. Advanced Materials, 2021, 33, e2102507.	11.1	26
7	Alignment and Angular Dependences of Coercivity for (Sm, Ce) ₂ (Co, Fe, Cu) ₁₇ ETQq1 1 0.784314 rgBT /Over	0.4	0
8	Machine Learning to Predict Quasicrystals from Chemical Compositions (Adv. Mater. 36/2021). Advanced Materials, 2021, 33, 2170284.	11.1	0
9	Magnetocaloric effect in ferromagnetic 1/1 quasicrystal approximants Au ₆₄ Al ₂₂ R ₁₄ (R = Gd, Tb, and Dy). Journal of Alloys and Compounds, 2021, 882, 160669.	2.8	4
10	Experimental Observation of Long-Range Magnetic Order in Icosahedral Quasicrystals. Journal of the American Chemical Society, 2021, 143, 19938-19944.	6.6	46
11	Magnetization reversal of (Sm, Ce) ₂ (Co, Fe, Cu, Zr) ₁₇ magnets as per soft x-ray magnetic circular dichroism microscopy. Applied Physics Letters, 2020, 117, 022409.	1.5	1
12	Ferromagnetic 2/1 quasicrystal approximants. Physical Review B, 2020, 101, .	1.1	20
13	Noncoplanar ferrimagnetism and local crystalline-electric-field anisotropy in the quasicrystal approximant Au ₇₀ Si ₁₇ Tb ₁₃ . Journal of Physics Condensed Matter, 2020, 32, 415802.	0.7	25
14	Atomic structure of the (111) surface of the antiferromagnetic 1/1 Au-Al-Tb approximant. Physical Review B, 2020, 102, .	1.1	3
15	Whirling spin order in the quasicrystal approximant $Au_{70}Si_{17}Tb_{13}$. Physical Review B, 2019, 100, .	1.1	34
16	Antiferromagnetic order survives in the higher-order quasicrystal approximant. Physical Review B, 2019, 100, .	1.1	22
17	Thermoelectric properties of Cr-doped higher manganese silicides prepared using spark plasma sintering. MRS Advances, 2018, 3, 1367-1372.	0.5	4
18	Preparation of NiSi ₂ and application to thermoelectric silicide elements used as electrodes. MRS Advances, 2018, 3, 1361-1365.	0.5	0

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19	Angular dependence of coercivity derived from alignment dependence of coercivity in Nd-Fe-B sintered magnets. AIP Advances, 2018, 8, 015226.	0.6	6
20	Angular dependence of coercivity in isotropically aligned Nd-Fe-B sintered magnets. AIP Advances, 2018, 8, 056236.	0.6	4
21	Antiferromagnetic order is possible in ternary quasicrystal approximants. Physical Review B, 2018, 98, .	1.1	38
22	Formation of Ga-Pd-Sc icosahedral quasicrystal and approximant phases. Philosophical Magazine Letters, 2018, 98, 292-300.	0.5	6
23	Probing of the pseudogap via thermoelectric properties in the Au-Al-Gd quasicrystal approximant. Physical Review B, 2017, 95, .	1.1	6
24	Catalytic properties of Ni-Fe-Mg alloy nanoparticle catalysts for methanol decomposition. Catalysis Today, 2017, 281, 669-676.	2.2	23
25	Coexistence of superconductivity and charge-density wave in the quasi-one-dimensional material HfTe ₃ . Scientific Reports, 2017, 7, 45217.	1.6	43
26	A new superlattice structure in the Al _{2.75} Ir and Al _{2.63} Rh 1/0 approximants. Journal of Physics: Conference Series, 2017, 809, 012010.	0.3	2
27	13th International Conference on Quasicrystals. Journal of Physics: Conference Series, 2017, 809, 011001.	0.3	1
28	Thermoelectric Properties of Mg ₂ Si _{1-x} Ge _x Sb _y Prepared by Spark Plasma Sintering. MRS Advances, 2016, 1, 3971-3976.	0.5	5
29	Composition-driven spin glass to ferromagnetic transition in the quasicrystal approximant Au-Al-Gd. Physical Review B, 2016, 93, .	1.1	34
30	Surface structure of the Ag-In-(rare earth) complex intermetallics. Physical Review B, 2016, 93, .	1.1	6
31	Phenomenological Magnetic Model in Tsai-Type Approximants. Journal of the Physical Society of Japan, 2016, 85, 053701.	0.7	15
32	Thermoelectric properties of synthesized Mg ₂ Si _{0.95} -xGe _{0.05} Sb _x by spark plasma sintering. Materials Research Society Symposia Proceedings, 2015, 1735, 56.	0.1	1
33	Superstructures formed by orientationally ordered tetrahedra in the bcc lattice: new diffusionless order-disorder transition in solids. Journal of Physics Condensed Matter, 2015, 27, 085401.	0.7	4
34	Thermoelectric properties of Sb-doped Mg ₂ (Si _{0.95} Ge _{0.05}) synthesized by spark plasma sintering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 195, 45-49.	1.7	13
35	Thermoelectric properties of Tsai-type Au-Al-RE (RE: Yb, Tm, Gd) quasicrystals and approximants. Journal of Alloys and Compounds, 2015, 652, 139-144.	2.8	7
36	Magnetic Properties of Icosahedral (Au,Cu)-Al-Yb Quasicrystals. Acta Physica Polonica A, 2014, 126, 553-555.	0.2	2

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37	The Structure of the (100) Surface of Ag-In-Gd 1/1 Approximant. Acta Physica Polonica A, 2014, 126, 479-481.	0.2	4
38	Leaching of Al-Based Polygrain Quasicrystalline and Related Crystalline Surfaces. Acta Physica Polonica A, 2014, 126, 629-632.	0.2	6
39	Sign of canted ferromagnetism in the quasicrystal approximants Au-SM-R (SM = Si, Ge and Sn / R = Tb, Dy) Tj ETQq1 1 0.784314 rgBT / Overlock	0.7	30
40	Formation of Tsai-type 1/1 approximants in In-Pd-RE (RE: rare earth metal) alloys. Philosophical Magazine, 2014, 94, 2980-2991.	0.7	5
41	In-situ high-pressure X-ray diffraction on the Zn ₆ Sc 1/1 periodic cubic approximant to a quasicrystal. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, .	0.4	1
42	Internal Friction of an Ag–In–Yb Icosahedral Quasicrystal. Materials Transactions, 2014, 55, 754-757.	0.4	1
43	Effect of Zr, V, Nb, Mo, and Ta substitutions on magnetic properties and microstructure of melt-spun SmCo ₅ magnets. Journal of Applied Physics, 2014, 115, 17A760.	1.1	8
44	Image Classification for Compositional Analysis of a Mixture of NdH and Fe(B) Phases. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2014, 68, J385-J390.	0.0	0
45	Low-temperature superstructures of a series of Cd ₆ M (M = Ca, Y, Sr, Pr, Nd, Sm, Gd, Tb, Dy,) Tj ETQq1 1 0.784314 rgBT /	0.7	21
46	Ferromagnetism and re-entrant spin-glass transition in quasicrystal approximants AuâSMâGd (SM = Si,) Tj ETQq0 0 0 rgBT /	0.7	41
47	Syntheses optimization, structural and thermoelectric properties of 1/1 Tsai-type quasicrystal approximants in REâAuâSM systems (RE=Yb, Gd and SM=Si, Ge). Journal of Physics Condensed Matter, 2013, 25, 135402.	0.7	33
48	Preparation of platinum nanoparticles that are dispersible in water over a wide pH range. Polymer Journal, 2013, 45, 540-544.	1.3	4
49	Variation of internal friction with time in metallic glasses near glass transition temperature. , 2013, , .		0
50	Short- and long-range ordering during the phase transition of the Zn ₆ Sc 1/1 cubic approximant. Journal of Physics Condensed Matter, 2013, 25, 205405.	0.7	10
51	Antiferromagnetic order and the structural orderâdisorder transition in the Cd ₆ Ho quasicrystal approximant. Philosophical Magazine Letters, 2013, 93, 512-520.	0.5	17
52	Scanning tunneling microscopy of a polygrain AlâPdâRe quasicrystal: study of the relative surface stability. Journal of Physics Condensed Matter, 2013, 25, 395007.	0.7	3
53	Atomic Dynamics in Complex Metallic Alloys. Materials Research Society Symposia Proceedings, 2013, 1517, 1.	0.1	0
54	Preparation of polymer-protected NiMoPt alloy nanoparticles dispersible in water over a wide pH range by a hot-soap method and ligand-exchange reaction. Polymer Journal, 2013, 45, 993-996.	1.3	1

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55	Dynamical Flexibility in the Periodic Zn_6Sc 1/1-Approximant. , 2013, , 253-259.		0
56	Nonmagnetic ground states and phase transitions in the caged compounds $PrT_{20}Zn_{20}$ (T = Ru, Rh and Ir). Journal of Physics Condensed Matter, 2012, 24, 294207.	0.7	20
57	Structural and magnetic transitions in the crystalline approximant $Cd_{61}Sm$. Physical Review B, 2012, 85, .	1.1	24
58	Ordering and dynamics of the central tetrahedron in the 1/1 Zn_6Sc periodic approximant to quasicrystal. Journal of Physics Condensed Matter, 2012, 24, 415403.	0.7	18
59	Antiferromagnetic order in the quasicrystal approximant $Cd_{61}Tb$ studied by x-ray resonant magnetic scattering. Physical Review B, 2012, 85, .	1.1	28
60	Internal friction of an $AlCuFe$ icosahedral quasicrystal and its crystal approximant. Philosophical Magazine, 2011, 91, 2820-2827.	0.7	2
61	Formation of Icosahedral Quasicrystals and 1/1 Crystal Approximants in Al-Pd-RE (RE: Rare Earth) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	6
62	Properties of Cd -Based Binary Quasicrystals and Their 1/1 Approximants. Israel Journal of Chemistry, 2011, 51, 1263-1274.	1.0	4
63	Hard magnetic materials based on $Nd_9(Fe,B)_87Zr_2Nb_2$ nanograined intermetallic compounds. Materials Research Society Symposia Proceedings, 2011, 1295, 255.	0.1	0
64	FLUCTUATION OF INTERNAL FRICTION IN METALLIC GLASSES. Materials Research Society Symposia Proceedings, 2011, 1300, 1.	0.1	0
65	Low-temperature structural stability of $Cd_{61}M$ ($M = Ho, Er, Tm$ and Lu) cubic crystalline approximants. Philosophical Magazine, 2011, 91, 2587-2593.	0.7	5
66	Magnetic Orders in Compounds Made of Icosahedral Rare-Earth Clusters. Transactions of the Materials Research Society of Japan, 2011, 36, 233-235.	0.2	0
67	Synthesis of Fe-based nanocrystalline soft magnets with high saturation magnetization. Journal of Physics: Conference Series, 2010, 232, 012009.	0.3	0
68	Effect of Nb and Zr additions to magnetic properties of Nd-Fe-B bulk nanocomposites. Journal of Physics: Conference Series, 2010, 232, 012008.	0.3	1
69	Superconductivity and Structural Phase Transitions in Caged Compounds $RT_{20}Zn_{20}$ (R = La, Pr, T = Ru, Ir). Journal of the Physical Society of Japan, 2010, 79, 033704.	0.7	160
70	<i>In situ</i> transmission electron microscopy observation of an orientational order-disorder transition in $Cd_{61}Sm$.	1.1	7
71	Structural modification and metamagnetic anomaly in the ordered state of CeO_2 . Physical Review B, 2010, 81, .	1.1	83
72	Long-range magnetic order in the quasicrystalline approximant $Cd_{61}Sm$. Physical Review B, 2010, 82, .	1.1	73

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73	Experimental evidence for a phase transition in a Zn_6 cubic approximant. Physical Review B, 2010, 82, .	1.1	18
74	Synthesis and superstructure of Al ₂ Ir, Al ₂ IrPd crystalline approximants and their electrical resistivities. Zeitschrift Fur Kristallographie - Crystalline Materials, 2009, 224, 115-118.	0.4	3
75	Comparative study on internal friction in an Al-Pd-Mn icosahedral quasicrystal and its crystal approximants. Physical Review B, 2009, 80, .	1.1	5
76	Preparation of Pt Nanoparticles Dispersed in Mesoporous Silica. Materials Research Society Symposia Proceedings, 2009, 1217, 1.	0.1	0
77	Synthesis and magnetic properties of Fe-B-Nd-Nb nanocomposite magnets. Journal of Physics: Conference Series, 2009, 144, 012068.	0.3	9
78	Preparation of Platinum Nanoparticles Using Linear Polyethyleneimine as a Stabilizer by Liquid-phase Reduction Method. Materials Research Society Symposia Proceedings, 2009, 1217, 1.	0.1	0
79	Internal friction of metallic glass measured as function of strain amplitude at various temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 228-231.	2.6	4
80	Magnetic properties of Nd-Fe-B-Zr bulk nanocomposite magnets prepared by Spark Plasma Sintering. Journal of Physics: Conference Series, 2009, 191, 012025.	0.3	1
81	Optimization of the magnetic properties of the Fe ₃ B/Nd ₂ Fe ₁₄ B bulk nanocomposite magnets prepared by spark plasma sintering. Journal of Physics: Conference Series, 2009, 191, 012022.	0.3	0
82	ELECTRONIC STRUCTURE OF QUASICRYSTAL-RELATED COMPOUNDS INVESTIGATED BY ULTRA HIGH RESOLUTION PHOTOEMISSION SPECTROSCOPY. Book Series on Complex Metallic Alloys, 2009, , 249-277.	0.1	0
83	Effect of atom substitution on the low-temperature phase transitions in Cd- and Zn-based 1/1 cubic approximants. Zeitschrift Fur Kristallographie - Crystalline Materials, 2009, 224, 101-104.	0.4	4
84	Synthesis and TEM study of Ag ₂ In ₂ (Eu, Ce) ternary approximants. Zeitschrift Fur Kristallographie - Crystalline Materials, 2009, 224, 112-114.	0.4	1
85	Magnetic properties of Nd-Fe-B-Zr bulk nanocomposite magnets prepared by spark plasma sintering method. Journal of Physics: Conference Series, 2008, 106, 012014.	0.3	2
86	Magnetic and Electric Properties of Phase Separated Glass Ceramics in Co ₂ Ti ₂ SiO ₂ System Prepared by Melt Quenching Process. Materials Research Society Symposia Proceedings, 2008, 1118, 3.	0.1	0
87	Synthesis and Magnetic Properties of Nanocomposite Magnets Self-Organized from FeB-Nd-Nb Metallic Glasses. Materials Research Society Symposia Proceedings, 2008, 1118, 13.	0.1	0
88	⁵⁷ Fe Mössbauer Effect Study of Zn ₂ Sc ₂ Fe Icosahedral Quasicrystal and Its 1/1 Crystal Approximant. Japanese Journal of Applied Physics, 2008, 47, 3581-3583.	0.8	2
89	Stabilization of metallic glass by isochronal and isothermal annealing treatments. Journal of Physics Condensed Matter, 2007, 19, 205147.	0.7	4
90	Magnetic Properties of Nd-Fe-B-M (M=Si, C) Bulk Nanocomposite Magnets Prepared by the Spark Plasma Sintering Method. Materials Research Society Symposia Proceedings, 2007, 1032, 1.	0.1	0

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91	æ£20éÇä½“ã,ãf ©ã,1ã,ãf¼ç”±æ¥ã®æ–°ã–ã,ç,è»Çç§». <i>Materia Japan</i> , 2007, 46, 660-664.	0.1	0
92	Formation of icosahedral quasicrystals in (Ag,Au)-based ternary systems. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 3412-3416.	1.5	5
93	Electrical resistivity of crystal approximants in Sc-based alloys. <i>Philosophical Magazine</i> , 2007, 87, 2957-2963.	0.7	0
94	Fabrication of refractory metal based metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 260-263.	2.6	18
95	Structural Phase Transition of Cd-based Approximant Crystals. <i>Nihon Kessho Gakkaishi</i> , 2007, 49, 68-73.	0.0	0
96	Experimental investigations on the electronic structure and the low-temperature stability of Cd-based quasicrystals and their 1/1 cubic approximants. <i>Philosophical Magazine</i> , 2006, 86, 489-497.	0.7	3
97	Low-temperature transmission electron microscopy studies of Cd-based 2/1 approximants and quasicrystals. <i>Philosophical Magazine</i> , 2006, 86, 499-503.	0.7	1
98	The study of the binary quasicrystal Cd ₁₇ Ca ₃ and its 1/1 approximant Cd ₆ Ca by positron annihilation spectroscopy. <i>Philosophical Magazine</i> , 2006, 86, 513-517.	0.7	2
99	Formation condition of the icosahedral phase in rapidly quenched Ag-RE (rare earth) alloys. <i>Philosophical Magazine</i> , 2006, 86, 435-441.	0.7	11
100	Comparative studies of positron annihilation lifetime and coincident Doppler broadening spectra for a binary Cd-based quasicrystal and 1/1-approximant crystal. <i>Physical Review B</i> , 2006, 73, .	1.1	4
101	Tungsten-Based Metallic Glasses with High Crystallization Temperature, High Modulus and High Hardness. <i>Materials Transactions</i> , 2005, 46, 48-53.	0.4	21
102	Group theoretical treatment of the low-temperature phase transition of the Cd ₆ Ca 1-1-cubic approximant. <i>Physical Review B</i> , 2005, 72, .	1.1	20
103	Universal low-temperature phase transition in Zn- and Cd-based crystalline approximants. <i>Physical Review B</i> , 2005, 71, .	1.1	36
104	Experimental Evidence for the p-d Hybridization in the Cd-Ca Quasicrystal: Origin of the Pseudogap. <i>Physical Review Letters</i> , 2004, 92, 146402.	2.9	22
105	Comparative study of the binary icosahedral quasicrystal Cd ₅ Yb and its crystalline 1-1-approximant Cd ₆ Yb by positron annihilation spectroscopy. <i>Physical Review B</i> , 2004, 70, .	1.1	8
106	Electronic states in 1-1 Cd ₆ Yb and 1-1 Cd ₆ Ca: Relativistic, correlation, and structural effects. <i>Physical Review B</i> , 2004, 70, .	1.1	8
107	Structural vacancies and their local atomic environment in the Zn-Mg-Sc alloy system studied by positron annihilation spectroscopy. <i>Physical Review B</i> , 2004, 70, .	1.1	4
108	Hard metallic glass of tungsten-based alloy. <i>Applied Physics Letters</i> , 2004, 84, 4911-4913.	1.5	49

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109	The Study of ZnMgSc Quasicrystal and $Zn_{17}Sc_3$ Approximant by Positron Annihilation Lifetime. Materials Science Forum, 2004, 445-446, 39-41.	0.3	0
110	Synthesis of ternary L10 compounds of Ti-Al-Zr system and their mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 387-389, 991-995.	2.6	12
111	Novel Phase Transition in the Cd ₆ M Intermetallics.. ChemInform, 2004, 35, no.	0.1	0
112	Internal friction of hydrogen-doped metallic glasses of high glass forming ability. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 264-267.	2.6	16
113	Internal friction of hydrogen-doped metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 455-459.	2.6	9
114	Electrical properties of the binary icosahedral quasicrystal and its approximant in the Cd-Yb system. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 1002-1005.	2.6	14
115	Novel phase transition in the Cd ₆ M intermetallics. Journal of Alloys and Compounds, 2004, 378, 290-293.	2.8	10
116	Order-disorder transition in cubic Cd ₆ Yb and Cd ₆ Ca. Journal of Non-Crystalline Solids, 2004, 334-335, 173-176.	1.5	28
117	Electronic transport of the icosahedral Zn-Mg-Sc quasicrystal and its 2/1 and 1/1 cubic approximants. Journal of Non-Crystalline Solids, 2004, 334-335, 368-371.	1.5	6
118	Electrical resistivity of the Al ₆₅ Rh ₂₇ Si ₈ 2/1 cubic approximant. Journal of Non-Crystalline Solids, 2004, 334-335, 372-375.	1.5	3
119	Plastic deformation of a binary Cd-Yb icosahedral quasicrystal. Journal of Non-Crystalline Solids, 2004, 334-335, 444-448.	1.5	6
120	Electrical Properties of Ag-In-(Yb,Ca) Quasicrystals and Their Approximants. Materials Research Society Symposia Proceedings, 2003, 805, 267.	0.1	0
121	Electron momentum distribution of icosahedral Cd ₈₄ Yb ₁₆ studied by Compton scattering. Physical Review B, 2003, 68, .	1.1	6
122	Is the Negative Temperature Coefficient of the Resistivity of the Quasicrystals due to Chemical Disorder?. Physical Review Letters, 2003, 90, 226401.	2.9	20
123	Low-temperature structural phase transition in a Cd ₆ Y _{1/1} approximant. Physical Review B, 2003, 68, .	1.1	32
124	Comparative study of the binary icosahedral quasicrystal Cd ₅ Yb and its crystalline approximant Cd ₆ Yb by low-temperature ultrahigh-resolution photoemission spectroscopy. Physical Review B, 2002, 65, .	1.1	23
125	Scanning tunneling microscopy of an Al-Ni-Co decagonal quasicrystal. Physical Review B, 2002, 65, .	1.1	59
126	Electronic transport of the icosahedral Zn-Mg-Sc quasicrystal and its cubic approximant Zn ₁₇ Sc ₃ . Physical Review B, 2002, 66, .	1.1	10

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127	Positron lifetimes in a binary quasicrystal Cd-Yb and its crystalline approximant. Physical Review B, 2002, 66, .	1.1	11
128	Plastic deformation of icosahedral Al-Pd-Mn single quasicrystals to large strains I. Experiments. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2002, 82, 369-377.	0.7	15
129	Plastic deformation of icosahedral Al-Pd-Mn single quasicrystals to large strains II. Deformation mechanism. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2002, 82, 379-385.	0.7	18
130	Thermoelectric Properties of Binary Cd-Yb Quasicrystal and Its Approximant. Japanese Journal of Applied Physics, 2002, 41, 3787-3790.	0.8	21
131	A Low-Temperature Order-Disorder Transition in a Cubic Cd ₆ Yb Crystalline Approximant. Japanese Journal of Applied Physics, 2002, 41, L524-L526.	0.8	57
132	New stable icosahedral phases in Al-Pd-Ru and Al-Pd-Os systems. Philosophical Magazine Letters, 2002, 82, 217-223.	0.5	11
133	Periodic approximants of quasicrystals in the Al-Rh-Si ternary system. Journal of Alloys and Compounds, 2002, 342, 35-37.	2.8	6
134	Icosahedral quasicrystal in the Al-Rh-Si ternary system. Journal of Alloys and Compounds, 2002, 342, 42-44.	2.8	0
135	Stability and compression behavior of approximants in Al-Pd-Os system under high pressures up to 70 GPa. Journal of Alloys and Compounds, 2002, 342, 232-236.	2.8	3
136	Positron diffusion in icosahedral quasicrystals. Applied Surface Science, 2002, 194, 155-159.	3.1	1
137	Roles of Quasiperiodicity and Local Environment in the Electronic Transport of the Icosahedral Quasicrystals in Al-Pd-TM (TM=Fe, Ru, Os) Systems. Materials Transactions, 2001, 42, 928-932.	0.4	12
138	Dislocation and shear strength of model quasiperiodic lattice. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 309-310, 552-556.	2.6	8
139	High-temperature specific heat of quasicrystals and a crystal approximant. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 312, 293-298.	2.6	24
140	Deformation mechanism of quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 319-321, 93-96.	2.6	8
141	Determination of Structural Vacancy Densities in Icosahedral Quasicrystals by Slow Positron Beam Technique. Materials Science Forum, 2001, 363-365, 481-483.	0.3	4
142	Anomalous Transport Behavior of a Binary Cd-Yb Icosahedral Quasicrystal. Japanese Journal of Applied Physics, 2001, 40, L912-L914.	0.8	30
143	Composition-Dependent Electrical Resistivity in an Al-Re-Si 1/1-Cubic Approximant Phase: An Indication of Electron Confinement in Clusters. Physical Review Letters, 2001, 86, 3104-3107.	2.9	28
144	Electrical Resistivity of an Al-Re-Si Cubic Approximant Phase and Role of Local Environment in Electronic Transport. Materials Research Society Symposia Proceedings, 2000, 643, 1331.	0.1	0

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145	Dislocation Glide Resistance in a Model Quasicrystalline Lattice. Materials Research Society Symposia Proceedings, 2000, 643, 641.	0.1	0
146	Hydrogen-doped Bulk Metallic Glasses as High Damping Material. Materials Research Society Symposia Proceedings, 2000, 644, 11101.	0.1	3
147	Plastic deformation and hardness in MgZn(Y,Ho) icosahedral quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 786-789.	2.6	14
148	Electrical resistivities of AlPdOs and AlPdOsRe icosahedral quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 604-606.	2.6	4
149	Electrical properties of approximant phases in AlPd(Fe, Ru) systems. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 607-610.	2.6	4
150	Production of quasicrystals and crystalline approximants in the AlPd(Fe,Ru,Os) systems. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 61-64.	2.6	17
151	Modulated photocurrent measurements on an AlPdRe icosahedral quasicrystal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 519-521.	2.6	6
152	Stable quasicrystals studied by means of the slow positron beam. Nuclear Instruments & Methods in Physics Research B, 2000, 171, 245-250.	0.6	4
153	Ordered Al-Pd-Ru icosahedral quasicrystal and its crystalline approximants and their electrical resistivities. Journal of Physics Condensed Matter, 1999, 11, 10343-10351.	0.7	5
154	Positron-annihilation studies of stable Al-based icosahedral quasicrystals. Physical Review B, 1999, 59, 6712-6716.	1.1	40
155	A New Series Of Al-Pd-Based Ordered Icosahedral Quasicrystals And Their Electrical Resistivities. Materials Research Society Symposia Proceedings, 1998, 553, 373.	0.1	5
156	Modulated Photocurrent Measurements On Icosahedral Quasicrystals Of Al-Pd-Re System. Materials Research Society Symposia Proceedings, 1998, 553, 385.	0.1	3
157	Evidence of the Relationship of the Electronic Properties of Icosahedral Boron-Rich Solids and Icosahedral Quasicrystals. Journal of Solid State Chemistry, 1997, 133, 160-163.	1.4	4
158	Modulated Photocurrent Measurements on Icosahedral Cluster Solids: Boron-Rich Solids and Aluminum-Based Quasicrystals. Journal of Solid State Chemistry, 1997, 133, 224-229.	1.4	7
159	A Unified Picture for Icosahedral Cluster Solids in Boron-Based and Aluminum-Based Compounds. Journal of Solid State Chemistry, 1997, 133, 302-309.	1.4	47
160	Photoconductivity of Icosahedral Al _{70.5} Pd ₂₁ Re _{8.5} : Semiconductorlike Behavior of Quasicrystals. Journal of the Physical Society of Japan, 1997, 66, 1924-1927.	0.7	14
161	On the electronic properties of icosahedral quasicrystals. Solid State Communications, 1996, 97, 103-107.	0.9	10
162	Semiconductorlike transport in highly ordered Al-Cu-Ru quasicrystals. Physical Review B, 1994, 50, 9640-9643.	1.1	39

#	ARTICLE	IF	CITATIONS
163	Electrical conductivity and Hall effect of Al _{1-x} Cu _x Ru and Al _{1-x} Cu _x Fe quasi-crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 181-182, 794-797.	2.6	9
164	Catalytic Properties of TiNi Foils for Methanol Decomposition. Advanced Materials Research, 0, 409, 307-312.	0.3	0