Nobuhisa Fujita

List of Publications by Year
in descending order

34	786	933264 10	501076 28
papers	citations	h-index	g-index

34	34	34	1413
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High catalytic performance of Alâ€“Pdâ€“(Ru, Fe) icosahedral approximants for acetylene semi-hydrogenation. RSC Advances, 2021, 11, 15296-15300.	1.7	5
2	Bulk electronic structure of high-order quaternary approximants. Physical Review Research, 2021, 3, .	1.3	6
3	A Unified Geometrical Framework for Face-Centered Icosahedral Approximants in Alâ€“Pdâ€“TM (TM =) Tj ETQq1 1 0.784314 rgBT /O	0.4	4
4	2/1 and 1/1 cubic approximants in the ternary R-Cd-Mg (R = Y, Er) systems. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 638-648.	0.5	2
5	Icosahedral quasicrystals and their cubic approximants in the Cd-Mg-RE (REÂ= Y, Sm, Gd, Tb, Dy, Ho, Er,) Tj ETQq1 1 0.784314 rgBT /O	2.8	11
6	Magnetic properties of icosahedral quasicrystals and their cubic approximants in the Cdâ€“Mgâ€“RE (RE) Tj ETQq0 0 0 rgBT /Overlock 1	0.7	5
7	Dodecagonal Quasicrystals in Mesoporous Silica: A New Route from Hard- to Soft-Sphere Packings. Chemistry of Materials, 2020, 32, 5236-5245.	3.2	3
8	Structural-transition-driven antiferromagnetic to spin-glass transition in Cdâ€“Mgâ€“Tb 1/1 approximants. Journal of Physics Condensed Matter, 2020, 32, 485801.	0.7	6
9	Crystal twinning of bicontinuous cubic structures. IUCrJ, 2020, 7, 228-237.	1.0	10
10	Quasiperiodic canonical-cell tiling with pseudo icosahedral symmetry. Annals of Physics, 2017, 385, 225-286.	1.0	2
11	Atomic structure of the primitive cubic phase P₄₀in the Al-Pd-Ru system. Journal of Physics: Conference Series, 2017, 809, 012007.	0.3	6
12	Application of electron backscatter diffraction (EBSD) to quasicrystal-containing microstructures in the Mg-Cd-Yb system. Acta Materialia, 2016, 119, 193-202.	3.8	16
13	Structures of Silicaâ€Based Nanoporous Materials Revealed by Microscopy. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 521-536.	0.6	14
14	Structure Analysis of a Hyper-Complex Approximant to Icosahedral Quasicrystal using 3D Electron Diffraction Tomography. Microscopy and Microanalysis, 2014, 20, 596-597.	0.2	0
15	A review of fine structures of nanoporous materials as evidenced by microscopic methods. Microscopy (Oxford, England), 2013, 62, 109-146.	0.7	44
16	Cluster-packing geometry for Al-based F-type icosahedral alloys. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, 322-340.	0.3	27
17	The role of curvature in silica mesoporous crystals. Interface Focus, 2012, 2, 634-644.	1.5	10
18	Dodecagonal tiling in mesoporous silica. Nature, 2012, 487, 349-353.	13.7	145

#	Article	IF	Citations
19	Shape- and Size-Controlled Synthesis in Hard Templates: Sophisticated Chemical Reduction for Mesoporous Monocrystalline Platinum Nanoparticles. Journal of the American Chemical Society, 2011, 133, 14526-14529.	6.6	377
20	Laves phases in RE(Mg,Cd)2 (REÂ=Ârare earth) pseudo-binary alloys. Solid State Sciences, 2011, 13, 698-705.	1.5	3
21	A family of ternary decagonal tilings. Journal of Physics: Conference Series, 2010, 226, 012021.	0.3	0
22	Point substitution processes for decagonal quasiperiodic tilings. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, 342-351.	0.3	5
23	Coordination and cluster packing in quasicrystals. Philosophical Magazine, 2008, 88, 1913-1919.	0.7	3
24	Super-coloured tilings: a novel class of two-dimensional limit-periodic structures. Philosophical Magazine, 2007, 87, 3073-3078.	0.7	0
25	Superquasicrystals with 8-, 10- and 12-fold point symmetries. Philosophical Magazine, 2006, 86, 587-592.	0.7	2
26	Superquasicrystals: self-similar-ordered structures with non-crystallographic point symmetries. Journal of Physics A, 2005, 38, L199-L204.	1.6	5
27	Band structure of the P, D, and G surfaces. Physical Review B, 2005, 72, .	1.1	25
28	Universalities in one-electron properties of limit quasiperiodic lattices. Journal of Physics A, 2004, 37, L151-L156.	1.6	2
29	Quantum Particles Constrained on Cylindrical Surfaces with Non-constant Diameter. Journal of the Physical Society of Japan, 2004, 73, 3115-3120.	0.7	10
30	Classification of One-Dimensional Quasilattices into Mutual Local-Derivability Classes. Journal of the Physical Society of Japan, 2002, 71, 99-118.	0.7	3
31	Incommensurate Modulation in the Microporous Silica SSZ-24. Chemistry - A European Journal, 2002, 8, 4549-4556.	1.7	22
32	Electronic properties of ternary quasicrystals in one dimension. Physical Review B, 2001, 64, .	1.1	3
33	Localization properties of electronic wave functions of the Hubbard model on the Fibonacci lattice. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 560-563.	2.6	1
34	New Classes of Quasicrystals and Marginal Critical States. Physical Review Letters, 2000, 85, 4924-4927.	2.9	9