

Thomas Vogt

List of Publications by Year in descending order

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310
papers

16,442
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23567

58
h-index

19749

117
g-index

348
all docs

348
docs citations

348
times ranked

13608
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Response of High-Dielectric-Constant Perovskite-Related Oxide. <i>Science</i> , 2001, 293, 673-676.	12.6	1,582
2	Negative Thermal Expansion from 0.3 to 1050 Kelvin in ZrW ₂ O ₈ . <i>Science</i> , 1996, 272, 90-92.	12.6	1,391
3	Giant dielectric constant response in a copper-titanate. <i>Solid State Communications</i> , 2000, 115, 217-220.	1.9	1,031
4	Negative Thermal Expansion in ZrW ₂ O ₈ and HfW ₂ O ₈ . <i>Chemistry of Materials</i> , 1996, 8, 2809-2823.	6.7	528
5	Structure of V ₂ O ₅ ·nH ₂ O Xerogel Solved by the Atomic Pair Distribution Function Technique. <i>Journal of the American Chemical Society</i> , 2002, 124, 10157-10162.	13.7	406
6	Influence of Cation Size on the Structural Features of Ln _{1/2} A _{1/2} MnO ₃ Perovskites at Room Temperature. <i>Chemistry of Materials</i> , 1998, 10, 3652-3665.	6.7	248
7	Low to High Spin-State Transition Induced by Charge Ordering in Antiferromagnetic YBaCo ₂ O ₅ . <i>Physical Review Letters</i> , 2000, 84, 2969-2972.	7.8	235
8	Chiral Three-Dimensional Microporous Nickel Aspartate with Extended Ni ²⁺ -O ²⁻ -Ni Bonding. <i>Journal of the American Chemical Society</i> , 2006, 128, 9957-9962.	13.7	218
9	Direct determination of proton positions in D-Y and H-Y zeolite samples by neutron powder diffraction. <i>The Journal of Physical Chemistry</i> , 1992, 96, 1535-1540.	2.9	217
10	The High-Temperature Phases of WO ₃ . <i>Journal of Solid State Chemistry</i> , 1999, 144, 209-215.	2.9	217
11	Structure refinement of triclinic tungsten trioxide. <i>Journal of Physics and Chemistry of Solids</i> , 1995, 56, 1305-1315.	4.0	208
12	Structural Characterization of the Orthorhombic Phase M1 in MoVNbTeO Propane Ammoxidation Catalyst. <i>Topics in Catalysis</i> , 2003, 23, 23-38.	2.8	196
13	Structural aspects of the M1 and M2 phases in MoVNbTeO propane ammoxidation catalysts. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004, 219, .	0.8	192
14	Pressure-Induced Volume Expansion of Zeolites in the Natrolite Family. <i>Journal of the American Chemical Society</i> , 2002, 124, 5466-5475.	13.7	188
15	Ferroelectric Tungsten Trioxide. <i>Journal of Solid State Chemistry</i> , 1997, 131, 9-17.	2.9	184
16	Magnetic phase transitions of MnWO ₄ studied by the use of neutron diffraction. <i>Physical Review B</i> , 1993, 48, 6087-6098.	3.2	183
17	Pressure-induced intermediate-to-low spin state transition in LaCoO ₃ . <i>Physical Review B</i> , 2003, 67, .	3.2	178
18	Charge transfer in the high dielectric constant materials CaCu ₃ Ti ₄ O ₁₂ and CdCu ₃ Ti ₄ O ₁₂ . <i>Physical Review B</i> , 2003, 67, .	3.2	171

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19	Structure of nanocrystalline materials using atomic pair distribution function analysis: Study of LiMoS ₂ . <i>Physical Review B</i> , 2002, 65, .	3.2	170
20	Non-framework cation migration and irreversible pressure-induced hydration in a zeolite. <i>Nature</i> , 2002, 420, 485-489.	27.8	145
21	Effect of Compositional Fluctuations on the Phase Transitions in (Nd _{1/2} Sr _{1/2})MnO ₃ . <i>Chemistry of Materials</i> , 1999, 11, 3528-3538.	6.7	137
22	The correlation between composition and electrochemical properties of metal hydride electrodes. <i>Journal of Alloys and Compounds</i> , 1999, 293-295, 569-582.	5.5	134
23	A highly crystalline layered silicate with three-dimensionally microporous layers. <i>Nature Materials</i> , 2003, 2, 53-58.	27.5	120
24	Compressibility and electronic structure of MgB ₂ up to 8 GPa. <i>Physical Review B</i> , 2001, 63, .	3.2	117
25	Kondo insulator description of spin state transition in FeSb ₂ . <i>Physical Review B</i> , 2005, 72, .	3.2	113
26	Doping $\hat{\Gamma}_3$ -Fe ₂ O ₃ Nanoparticles with Mn(III) Suppresses the Transition to the $\hat{\Gamma}_4$ -Fe ₂ O ₃ Structure. <i>Journal of the American Chemical Society</i> , 2003, 125, 11470-11471.	13.7	104
27	Synchrotron X-ray Powder Diffraction and Computational Investigation of Purely Siliceous Zeolite Y under Pressure. <i>Journal of the American Chemical Society</i> , 2004, 126, 12015-12022.	13.7	104
28	Structural changes and related effects due to charge ordering in Nd _{0.5} Ca _{0.5} MnO ₃ . <i>Physical Review B</i> , 1996, 54, 15303-15306.	3.2	102
29	Structure of ZrV ₂ O ₇ from $\hat{\Gamma}^*263$ to 470 $\hat{\text{A}}^\circ\text{C}$. <i>Journal of Solid State Chemistry</i> , 1997, 132, 355-360.	2.9	99
30	Doping for superior dielectrics. <i>Nature Materials</i> , 2013, 12, 782-783.	27.5	98
31	Direct Imaging of the MoVTenBO M1 Phase Using An Aberration $\hat{\text{C}}$ orrected High $\hat{\text{R}}$ esolution Scanning Transmission Electron Microscope. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2788-2791.	13.8	97
32	Synthesis of Orthorhombic Mo $\hat{\text{V}}$ ESb Oxide Species by Assembly of Pentagonal Mo ₆ O ₂₁ Polyoxometalate Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3782-3786.	13.8	96
33	Structural evidence for π -complexes in catalytically active Y-zeolites with o-, m-, and p-xylene. <i>The Journal of Physical Chemistry</i> , 1991, 95, 5255-5261.	2.9	93
34	Structure of nanocrystalline MgFe ₂ O ₄ from X-ray diffraction, Rietveld and atomic pair distribution function analysis. <i>Journal of Applied Crystallography</i> , 2005, 38, 772-779.	4.5	91
35	Structural Refinement of the High Temperature Form of Bi ₂ MoO ₆ . <i>Journal of Solid State Chemistry</i> , 1994, 111, 118-127.	2.9	89
36	Epitaxial Thin-Film Deposition and Dielectric Properties of the Perovskite Oxynitride BaTaO ₂ N. <i>Chemistry of Materials</i> , 2007, 19, 618-623.	6.7	87

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37	Structural and Bonding Trends in Ruthenium Pyrochlores. <i>Journal of Solid State Chemistry</i> , 1996, 126, 261-270.	2.9	85
38	Unusual 180° P-O-P Bond Angles in ZrP ₂ O ₇ . <i>Inorganic Chemistry</i> , 1996, 35, 485-489.	4.0	84
39	Preparation and Structural Characterization of Two New Phases of Aluminum Trifluoride. <i>Chemistry of Materials</i> , 1995, 7, 75-83.	6.7	80
40	Pressure-induced phase transitions and templating effect in three-dimensional organic-inorganic hybrid perovskites. <i>Physical Review B</i> , 2003, 68, .	3.2	80
41	Role of the Lattice in the f^3 Phase Transition of Ce: A High-Pressure Neutron and X-Ray Diffraction Study. <i>Physical Review Letters</i> , 2004, 92, 105702.	7.8	80
42	Electrically tunable molecular doping of graphene. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	77
43	Pressure-induced structural and electronic changes in AlH_3 . <i>Physical Review B</i> , 2006, 74, .	3.2	76
44	A ₂ Cu ₂ CoO ₂ S ₂ (A = Sr, Ba), A Novel Example of a Square-Planar CoO ₂ Layer. <i>Journal of the American Chemical Society</i> , 1997, 119, 12398-12399.	13.7	75
45	Structures and thermodynamics of the mixed alkali aluminates. <i>Physical Review B</i> , 2005, 71, .	3.2	75
46	Controlling the Size of Magnetic Nanoparticles Using Pluronic Block Copolymer Surfactants. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15-18.	2.6	75
47	Improvement of the Structural Model for the M1 Phase Mo ₂ V ₂ Nb ₂ O ₁₀ Propane (Amm)oxidation Catalyst. <i>Topics in Catalysis</i> , 2011, 54, 614-626.	2.8	72
48	Trigonal SrAl ₂ H ₂ : the first Zintl phase hydride. <i>Journal of Alloys and Compounds</i> , 2000, 306, 127-132.	5.5	70
49	First Structural Investigation of a Super-Hydrated Zeolite. <i>Journal of the American Chemical Society</i> , 2001, 123, 12732-12733.	13.7	67
50	Structure of Intercalated Cs in Zeolite ITQ-4: An Array of Metal Ions and Correlated Electrons Confined in a Pseudo-1D Nanoporous Host. <i>Physical Review Letters</i> , 2002, 89, 075502.	7.8	67
51	Neutron powder investigation of the tetragonal to monoclinic phase transformation in undoped zirconia. <i>Acta Crystallographica Section B: Structural Science</i> , 1991, 47, 881-886.	1.8	66
52	Optimized imaging using non-rigid registration. <i>Ultramicroscopy</i> , 2014, 138, 46-56.	1.9	66
53	Sr ₃ MO ₄ F (M=Al, Ga) – A New Family of Ordered Oxyfluorides. <i>Journal of Solid State Chemistry</i> , 1999, 144, 228-231.	2.9	65
54	Aniline in Yb,Na-Y: A neutron powder diffraction study. <i>Zeolites</i> , 1991, 11, 832-836.	0.5	64

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55	Chemical short range order obtained from the atomic pair distribution function. Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, 47-50.	0.8	63
56	Mixed Iron ²⁺ Manganese Oxide Nanoparticles. Journal of Physical Chemistry B, 2004, 108, 14876-14883.	2.6	63
57	Cubic CsCaH ₃ and hexagonal RbMgH ₃ : new examples of fluoride-related perovskite-type hydrides. Journal of Alloys and Compounds, 1999, 282, 125-129.	5.5	61
58	Trace gas detection using nanostructured graphite layers. Applied Physics Letters, 2007, 91, .	3.3	61
59	Pressure- and Heat-Induced Insertion of CO ₂ into an Auxetic Small-Pore Zeolite. Journal of the American Chemical Society, 2011, 133, 1674-1677.	13.7	59
60	Light-induced structural changes in sodiumnitroprusside (Na ₂ (Fe(CN) ₅ NO)·½2D ₂ O) at 80 K. European Physical Journal B, 1991, 83, 125-130.	1.5	56
61	Single-crystal neutron diffraction study of metamict zircon up to 2000 K. Journal of Applied Crystallography, 1992, 25, 519-523.	4.5	56
62	Thermal Evolution of the Crystal Structure of the Rhombohedral Bi _{0.75} Sr _{0.25} O _{1.375} Phase: A Single Crystal Neutron Diffraction Study. Journal of Solid State Chemistry, 1994, 112, 1-8.	2.9	56
63	Phase Transition of Zeolite RHO at High-Pressure. Journal of the American Chemical Society, 2001, 123, 8418-8419.	13.7	56
64	Neutron powder investigation of the monoclinic to tetragonal phase transformation in undoped zirconia. Acta Crystallographica Section B: Structural Science, 1990, 46, 724-730.	1.8	54
65	Magnetoelastic tetragonal-to-orthorhombic distortion inErNi ₂ B ₂ C. Physical Review B, 1997, 56, 7843-7846.	3.2	54
66	Synthesis, Structure, and Magnetic Properties of Sr ₂ NiOsO ₆ and Ca ₂ NiOsO ₆ :Â Two New Osmium-Containing Double Perovskites. Inorganic Chemistry, 2005, 44, 9676-9683.	4.0	54
67	Near UV Excited Line and Broad Band Photoluminescence of an Anion-Ordered Oxyfluoride. Journal of the American Chemical Society, 2010, 132, 4516-4517.	13.7	54
68	Magnetic phase diagram of CoNb ₂ O ₆ : A neutron diffraction study. Journal of Magnetism and Magnetic Materials, 1995, 151, 123-131.	2.3	53
69	Cation and anion ordering in the layered oxyfluorides Sr ₃ Â ^x A _x AlO ₄ F (A=Ba, Ca). Journal of Solid State Chemistry, 2003, 172, 89-94.	2.9	53
70	A LAXS (large angle x-ray scattering) and EXAFS (extended x-ray absorption fine structure) investigation of conductive amorphous nickel tetrathiolato polymers. Journal of the American Chemical Society, 1988, 110, 1833-1840.	13.7	52
71	Crystal structure refinement of Nd ₂ Â ^x Ce _x CuOrm ₄ (x = 0.05Â [~] 0.30) by x-ray (295 K) and neutron (1.5 K) powder diffraction. Solid State Communications, 1990, 73, 791-795.	1.9	52
72	Low-temperature structural behavior ofSr ₂ RuO ₄ . Physical Review B, 1995, 52, R9843-R9846.	3.2	52

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73	Three-Dimensional Structure of Nanocomposites from Atomic Pair Distribution Function Analysis: A Study of Polyaniline and (Polyaniline) _{0.5} V ₂ O ₅ ·1.0H ₂ O. <i>Journal of the American Chemical Society</i> , 2005, 127, 8805-8812.	13.7	52
74	Atomic-level imaging of Mo-V-O complex oxide phase intergrowth, grain boundaries, and defects using HAADF-STEM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6152-6157.	7.1	52
75	Using Aberration-Corrected STEM Imaging to Explore Chemical and Structural Variations in the M1 Phase of the MoVNbTeO Oxidation Catalyst. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10043-10049.	3.1	50
76	Defect Monitoring and Substitutions in Sr ₃ A ₄ AlO ₄ F (A = Ca, Ba) Oxyfluoride Host Lattices and Phosphors. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11576-11583.	3.1	50
77	Atomic-Scale Investigation of Two-Component MoVO Complex Oxide Catalysts Using Aberration-Corrected High-Angle Annular Dark-Field Imaging. <i>Chemistry of Materials</i> , 2010, 22, 2033-2040.	6.7	49
78	Location of para-Xylene in Yb-Faujasite (Zeolite Y) by Neutron Diffraction. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 770-772.	4.4	48
79	Crystal and Molecular Structures of Rhenium Heptafluoride. <i>Science</i> , 1994, 263, 1265-1267.	12.6	48
80	Magnetic excitations and soft-mode transition in the quasi-one-dimensional mixed-spin antiferromagnet Pr ₂ BaNiO ₅ . <i>Physical Review B</i> , 1996, 54, 6437-6447.	3.2	48
81	Crystal Structures and Phase Transitions in the SrTiO ₃ /SrZrO ₃ Solid Solution. <i>Journal of Solid State Chemistry</i> , 2001, 156, 255-263.	2.9	48
82	Pressure-induced stabilization of ordered parnatrolite: A new insight into the parnatrolite controversy. <i>American Mineralogist</i> , 2005, 90, 252-257.	1.9	47
83	A role for subducted super-hydrated kaolinite in Earth's deep water cycle. <i>Nature Geoscience</i> , 2017, 10, 947-953.	12.9	47
84	The location of mesitylene adsorbed in rare-earth-exchanged Y zeolite. <i>Zeolites</i> , 1992, 12, 237-239.	0.5	46
85	High-temperature neutron powder diffraction study of ZrSiO ₄ up to 1900 K. <i>Acta Crystallographica Section B: Structural Science</i> , 1992, 48, 584-590.	1.8	46
86	Reentrant transition from an incipient charge-ordered state to a ferromagnetic metallic state in a rare-earth manganate. <i>Physical Review B</i> , 1998, 57, R8115-R8118.	3.2	45
87	Valence-electron distribution in MgB ₂ by accurate diffraction measurements and first-principles calculations. <i>Physical Review B</i> , 2004, 69, .	3.2	44
88	Luminescent phosphors, based on rare earth substituted oxyfluorides in the A(1) ₃ A(2) _x MO ₄ F family with A(1)/A(2)=Sr, Ca, Ba and M=Al, Ga. <i>Journal of Luminescence</i> , 2009, 129, 952-957.	3.1	44
89	Magnetic gap excitations in a one-dimensional mixed spin antiferromagnet Nd ₂ BaNiO ₅ . <i>Physical Review B</i> , 1996, 54, 7210-7215.	3.2	43
90	High-Pressure Neutron Diffraction Study of Superhydrated Natrolite. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18223-18225.	2.6	43

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91	One-Step Synthesis of Core(Cr)/Shell($\text{Fe}_3\text{-Fe}_2\text{O}_3$) Nanoparticles. Journal of the American Chemical Society, 2005, 127, 5730-5731.	13.7	43
92	NO_2 detection by adsorption induced work function changes in In_2O_3 thin films. Applied Physics Letters, 2007, 91, .	3.3	43
93	THE STRUCTURE OF Bi_2MoO_6 . Materials Research Bulletin, 1997, 32, 947-962.	5.2	42
94	Phase separation over an extended compositional range: $\text{Ca}_{1-x}\text{Bi}_x\text{MnO}_3$ ($x < \sim 0.25$) phase diagram. Physical Review B, 2000, 62, 14928-14942.	3.2	42
95	Anisotropic compression of edingtonite and thomsonite to 6 GPa at room temperature. Physics and Chemistry of Minerals, 2004, 31, 22-27.	0.8	42
96	Irreversible xenon insertion into a small-pore zeolite at moderate pressures and temperatures. Nature Chemistry, 2014, 6, 835-839.	13.6	42
97	The High-Temperature Phase Transition in Perovskite. Europhysics Letters, 1993, 24, 281-285.	2.0	41
98	Syntheses, Crystal Structures, and Properties of New Layered Tungsten(VI)-Containing Materials Based on the Hexagonal- WO_3 Structure: $\text{M}_2(\text{WO}_3)_3\text{SeO}_3$ ($\text{M} = \text{NH}_4, \text{Rb}, \text{Cs}$). Journal of Solid State Chemistry, 1995, 120, 112-120.	2.9	41
99	Low temperature structural studies on PrAlO_3 . Journal of Physics Condensed Matter, 2001, 13, L203-L209.	1.8	41
100	High-Temperature Incommensurate-to-Commensurate Phase Transition in the Bi_2MoO_6 Catalyst. Journal of Solid State Chemistry, 2000, 155, 206-215.	2.9	40
101	Oxygen and strontium codoping of La_2NiO_4 : Room-temperature phase diagrams. Physical Review B, 2004, 70, .	3.2	40
102	Structural studies of $\text{Sr}_2\text{GaSbO}_6$, $\text{Sr}_2\text{NiMoO}_6$, and $\text{Sr}_2\text{FeNbO}_6$ using pressure and temperature. Journal of Physics Condensed Matter, 2006, 18, 8761-8780.	1.8	40
103	Selective CO_2 Trapping in Guest-Free Hydroquinone Clathrate Prepared by Gas-Phase Synthesis. ChemPhysChem, 2011, 12, 1056-1059.	2.1	40
104	High-Pressure Chemistry of a Zeolitic Imidazolate Framework Compound in the Presence of Different Fluids. Journal of the American Chemical Society, 2016, 138, 11477-11480.	13.7	40
105	Localisation of excess oxygen in the high-Tc 2223-phase $\text{Bi}_{1.9}\text{Pb}_{0.3}\text{Sr}_{2.0}\text{Ca}_{1.9}\text{Cu}_3\text{O}_{10}$ by neutron powder diffraction. Physica C: Superconductivity and Its Applications, 1990, 171, 339-343.	1.2	39
106	Highly sensitive and multidimensional detection of NO_2 using In_2O_3 thin films. Sensors and Actuators B: Chemical, 2011, 160, 251-259.	7.8	39
107	Superhydrated Zeolites: Pressure-Induced Hydration in Natrolites. Chemistry - A European Journal, 2013, 19, 10876-10883.	3.3	39
108	Unraveling the Symmetry of the Hole States near the Fermi Level in the MgB_2 Superconductor. Physical Review Letters, 2002, 88, 247002.	7.8	38

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109	Powder X-ray diffraction study of the rhombohedral to cubic phase transition in TiF ₃ . Materials Research Bulletin, 2002, 37, 77-83.	5.2	38
110	3D structure of dendritic and hyper-branched macromolecules by X-ray diffraction. Solid State Communications, 2005, 134, 671-675.	1.9	38
111	Magnetic Structure and Giant Magnetoresistance of Ferromagnetic La _{1-x} Mn _x O ₃ —An Example of Double-Exchange Striction?. Journal of Solid State Chemistry, 1996, 126, 337-341.	2.9	37
112	Bonding and Structural Variations in Doped Bi ₂ Sn ₂ O ₇ . Journal of Solid State Chemistry, 1997, 131, 317-325.	2.9	37
113	Polymorphism of Gd ₅ Si ₂ Ge ₂ : The equivalence of temperature, magnetic field, and chemical and hydrostatic pressures. Physical Review B, 2005, 71, .	3.2	37
114	Comparison of MoVTaTeO and MoVNbTeO M1 crystal chemistry. Topics in Catalysis, 2006, 38, 31-40.	2.8	37
115	The effect of Nb or Ta substitution into the M1 phase of the MoV(Nb,Ta)TeO selective oxidation catalyst. Catalysis Today, 2009, 142, 320-328.	4.4	37
116	New Apatite-Type Oxide Ion Conductor, Bi ₂ La ₈ [(GeO ₄) ₆]O ₃ : Structure, Properties, and Direct Imaging of Low-Level Interstitial Oxygen Atoms Using Aberration-Corrected Scanning Transmission Electron Microscopy. Advanced Functional Materials, 2017, 27, 1605625.	14.9	37
117	Pressure-induced orthorhombic to rhombohedral phase transition in LaGaO ₃ . Journal of Physics Condensed Matter, 2001, 13, L925-L930.	1.8	34
118	Degradation behavior of LaNi _{5-x} Sn _x H _z (x=0.20–0.25) at elevated temperatures. Journal of Alloys and Compounds, 2002, 330-332, 271-275.	5.5	34
119	Pressure-Induced Cation Migration and Volume Expansion in the Defect Pyrochlores ANbWO ₆ (A =) Tj ETQq1 1 0.784314 rgBT /Overlaid	13.7	34
120	Magnetism in and. Journal of Physics Condensed Matter, 1996, 8, 10609-10625.	1.8	32
121	Temperature dependent total scattering structural study of CaCu ₃ Ti ₄ O ₁₂ . Journal of Physics Condensed Matter, 2004, 16, S5091-S5102.	1.8	32
122	Pressure and temperature-dependent structural studies of Ba ₂ BiTaO ₆ . Journal of Solid State Chemistry, 2005, 178, 207-211.	2.9	32
123	Crystal Growth of Two New Niobates, La ₂ KNbO ₆ and Nd ₂ KNbO ₆ : Structural, Dielectric, Photophysical, and Photocatalytic Properties. Chemistry of Materials, 2008, 20, 3327-3335.	6.7	32
124	Synthesis and characterization of Bi nanorods and superconducting NiBi particles. Journal of Alloys and Compounds, 2005, 400, 88-91.	5.5	31
125	Synthesis and crystal structure of tetragonal LnMg ₂ H ₇ (Ln=La, Ce), two Laves phase hydride derivatives having ordered hydrogen distribution. Journal of Alloys and Compounds, 1997, 253-254, 313-317.	5.5	30
126	Synthesis and crystal structures of gallium and germanium variants of cancrinite. Microporous and Mesoporous Materials, 2000, 39, 445-455.	4.4	30

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127	Phase transition in BaBi ₂ Nb ₂ O ₉ : Implications for layered ferroelectrics. <i>Physical Review B</i> , 2002, 66, .	3.2	30
128	Magnetic structures of the tri-rutile NiTa ₂ O ₆ and NiSb ₂ O ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 184, 111-115.	2.3	29
129	Pressure-Induced Phase Transition in PrAlO ₃ . <i>Chemistry of Materials</i> , 2002, 14, 2644-2648.	6.7	29
130	Synthesis and high-pressure behavior of Na _{0.3} CoO ₂ ·xH ₂ O and related phases. <i>Physical Review B</i> , 2003, 68, .	3.2	29
131	Pressure-Induced Argon Insertion into an Auxetic Small Pore Zeolite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6922-6927.	3.1	29
132	Subnanosecond phase transition dynamics in laser-shocked iron. <i>Science Advances</i> , 2020, 6, eaaz5132.	10.3	29
133	Crystallographic distortion and magnetic structure of terbium iron garnet at low temperatures. <i>Journal of Solid State Chemistry</i> , 1990, 84, 39-51.	2.9	28
134	Temperature Dependent Structural Behavior of Sr ₂ RhO ₄ . <i>Journal of Solid State Chemistry</i> , 1996, 123, 186-189.	2.9	28
135	Electronic Band Structure Calculations of the MNX (M=Zr, Ti; X=Cl, Br, I) System and Its Superconducting Member, Li-Doped d ² -ZrNCl. <i>Journal of Solid State Chemistry</i> , 1998, 138, 207-219.	2.9	28
136	Pressure-induced migration of zeolitic water in laumontite. <i>Physics and Chemistry of Minerals</i> , 2004, 31, 421.	0.8	28
137	Observation of Sublattice Disorder of the Catalytic Sites in a Complex MoVTeO Oxidation Catalyst Using High Temperature STEM Imaging. <i>Topics in Catalysis</i> , 2014, 57, 1138-1144.	2.8	28
138	Synthesis, structure, magnetic properties and structural distortion under high pressure of a new osmate, Sr ₂ CuOsO ₆ . <i>Journal of Solid State Chemistry</i> , 2008, 181, 623-627.	2.9	27
139	Structural analysis of a potassium hollandite K _{1.35} Ti ₈ O ₁₆ . <i>Journal of Solid State Chemistry</i> , 1989, 83, 61-68.	2.9	26
140	Composite germanium monochromators for high resolution neutron powder diffraction applications. <i>Journal of Neutron Research</i> , 1994, 2, 85-94.	1.1	26
141	Formation and Manipulation of Confined Water Wires. <i>Nano Letters</i> , 2004, 4, 619-621.	9.1	26
142	Cs(TiAs)O ₅ and Cs(TiP)O ₅ : A Disordered Parent Structure of ABOCO ₄ Compounds. <i>Journal of Solid State Chemistry</i> , 1995, 120, 299-310.	2.9	25
143	Determination of Formation Regions of Titanium Phosphates; Determination of the Crystal Structure of d ² -Titanium Phosphate, Ti(PO ₄)(H ₂ PO ₄), from Neutron Powder Data. <i>Journal of Solid State Chemistry</i> , 1998, 140, 266-271.	2.9	25
144	Crystal Structure of Nonstoichiometric La(Ni,Sn) _[sub 5+x] Alloys and Their Properties as Metal Hydride Electrodes. <i>Electrochemical and Solid-State Letters</i> , 1999, 2, 111.	2.2	25

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