

Thomas Vogt

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307
papers

14,399
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56
h-index

109
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348
ext. papers

15,298
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
307	Optical response of high-dielectric-constant perovskite-related oxide. <i>Science</i> , 2001 , 293, 673-6	33.3	1436
306	Negative Thermal Expansion from 0.3 to 1050 Kelvin in ZrW ₂ O ₈ . <i>Science</i> , 1996 , 272, 90-92	33.3	1168
305	Giant dielectric constant response in a copper-titanate. <i>Solid State Communications</i> , 2000 , 115, 217-220	1.6	941
304	Negative Thermal Expansion in ZrW ₂ O ₈ and HfW ₂ O ₈ . <i>Chemistry of Materials</i> , 1996 , 8, 2809-2823	9.6	463
303	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, 10157-62	16.4	358
302	Low to high spin-state transition induced by charge ordering in antiferromagnetic YBaCo ₂ O ₅ . <i>Physical Review Letters</i> , 2000 , 84, 2969-72	7.4	225
301	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	9.6	220
300	Chiral three-dimensional microporous nickel aspartate with extended Ni-O-Ni bonding. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9957-62	16.4	203
299	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		189
298	The High-Temperature Phases of WO ₃ . <i>Journal of Solid State Chemistry</i> , 1999 , 144, 209-215	3.3	183
297	Structure refinement of triclinic tungsten trioxide. <i>Journal of Physics and Chemistry of Solids</i> , 1995 , 56, 1305-1315	3.9	183
296	Structural aspects of the M1 and M2 phases in MoVNbTeO propane ammoxidation catalysts. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004 , 219,	1	167
295	Pressure-induced intermediate-to-low spin state transition in LaCoO ₃ . <i>Physical Review B</i> , 2003 , 67,	3.3	166
294	Magnetic phase transitions of MnWO ₄ studied by the use of neutron diffraction. <i>Physical Review B</i> , 1993 , 48, 6087-6098	3.3	166
293	Ferroelectric Tungsten Trioxide. <i>Journal of Solid State Chemistry</i> , 1997 , 131, 9-17	3.3	164
292	Structural Characterization of the Orthorhombic Phase M1 in MoVNbTeO Propane Ammoxidation Catalyst. <i>Topics in Catalysis</i> , 2003 , 23, 23-38	2.3	164
291	Pressure-induced volume expansion of zeolites in the natrolite family. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5466-75	16.4	158

290	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,	3.3	157
289	Structure of nanocrystalline materials using atomic pair distribution function analysis: Study of LiMoS ₂ . <i>Physical Review B</i> , 2002 , 65,	3.3	139
288	Non-framework cation migration and irreversible pressure-induced hydration in a zeolite. <i>Nature</i> , 2002 , 420, 485-9	50.4	130
287	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	9.6	122
286	The correlation between composition and electrochemical properties of metal hydride electrodes. <i>Journal of Alloys and Compounds</i> , 1999 , 293-295, 569-582	5.7	115
285	Compressibility and electronic structure of MgB ₂ up to 8 GPa. <i>Physical Review B</i> , 2001 , 63,	3.3	112
284	A highly crystalline layered silicate with three-dimensionally microporous layers. <i>Nature Materials</i> , 2003 , 2, 53-8	27	106
283	Kondo insulator description of spin state transition in FeSb ₂ . <i>Physical Review B</i> , 2005 , 72,	3.3	105
282	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	3.3	96
281	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, 12015-22	16.4	94
280	Synthesis of orthorhombic Mo-V-Sb oxide species by assembly of pentagonal Mo ₆ O ₂₁ polyoxometalate building blocks. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3782-6	16.4	88
279	Direct imaging of the MoVTeNbO M1 phase using an aberration-corrected high-resolution scanning transmission electron microscope. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2788-91	16.4	87
278	Structure of ZrV ₂ O ₇ from 263 to 470°C. <i>Journal of Solid State Chemistry</i> , 1997 , 132, 355-360	3.3	85
277	Doping gamma-Fe(2)O(3) nanoparticles with Mn(III) suppresses the transition to the alpha-Fe(2)O(3) structure. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11470-1	16.4	85
276	Structural evidence for .pi.-complexes in catalytically active Y-zeolites with o-, m-, and p-xylene. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 5255-5261		84
275	Epitaxial Thin-Film Deposition and Dielectric Properties of the Perovskite Oxynitride BaTaO ₂ N. <i>Chemistry of Materials</i> , 2007 , 19, 618-623	9.6	79
274	Structural Refinement of the High Temperature Form of Bi ₂ MoO ₆ . <i>Journal of Solid State Chemistry</i> , 1994 , 111, 118-127	3.3	79
273	Structural and Bonding Trends in Ruthenium Pyrochlores. <i>Journal of Solid State Chemistry</i> , 1996 , 126, 261-270	3.3	75

272	Unusual 180 degrees P-O-P Bond Angles in ZrP(2)O(7). <i>Inorganic Chemistry</i> , 1996 , 35, 485-489	5.1	74
271	Pressure-induced structural and electronic changes in AlH_3 . <i>Physical Review B</i> , 2006 , 74,	3.3	73
270	Structure of nanocrystalline MgFe_2O_4 from X-ray diffraction, Rietveld and atomic pair distribution function analysis. <i>Journal of Applied Crystallography</i> , 2005 , 38, 772-779	3.8	73
269	Preparation and Structural Characterization of Two New Phases of Aluminum Trifluoride. <i>Chemistry of Materials</i> , 1995 , 7, 75-83	9.6	73
268	Controlling the size of magnetic nanoparticles using pluronic block copolymer surfactants. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15-8	3.4	70
267	Pressure-induced phase transitions and templating effect in three-dimensional organic-inorganic hybrid perovskites. <i>Physical Review B</i> , 2003 , 68,	3.3	70
266	Structures and thermodynamics of the mixed alkali alanates. <i>Physical Review B</i> , 2005 , 71,	3.3	70
265	Role of the lattice in the $\gamma \rightarrow \alpha$ phase transition of Ce: a high-pressure neutron and x-ray diffraction study. <i>Physical Review Letters</i> , 2004 , 92, 105702	7.4	69
264	Improvement of the Structural Model for the M1 Phase MoNbTeD Propane (Amm)oxidation Catalyst. <i>Topics in Catalysis</i> , 2011 , 54, 614-626	2.3	68
263	Trigonal SrAl_2H_2 : the first Zintl phase hydride. <i>Journal of Alloys and Compounds</i> , 2000 , 306, 127-132	5.7	68
262	Electrically tunable molecular doping of graphene. <i>Applied Physics Letters</i> , 2013 , 102, 043101	3.4	65
261	$\text{A}_2\text{Cu}_2\text{CoO}_2\text{S}_2$ (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	16.4	64
260	Aniline in Yb,Na-Y: A neutron powder diffraction study. <i>Zeolites</i> , 1991 , 11, 832-836		63
259	First structural investigation of a super-hydrated zeolite. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12732-3	16.4	60
258	$\text{Sr}_3\text{MO}_4\text{F}$ (M=Al, Ga) A New Family of Ordered Oxyfluorides. <i>Journal of Solid State Chemistry</i> , 1999 , 144, 228-231	3.3	59
257	Trace gas detection using nanostructured graphite layers. <i>Applied Physics Letters</i> , 2007 , 91, 233101	3.4	58
256	Mixed Iron/Manganese Oxide Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14876-14883	3.4	58
255	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	7.4	58

254	Cubic CsCaH ₃ and hexagonal RbMgH ₃ : new examples of fluoride-related perovskite-type hydrides. <i>Journal of Alloys and Compounds</i> , 1999 , 282, 125-129	5.7	58
253	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		57
252	Pressure- and heat-induced insertion of CO ₂ into an auxetic small-pore zeolite. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1674-7	16.4	55
251	Light-induced structural changes in sodiumnitroprusside (Na ₂ (Fe(CN) ₅ NO)·2D ₂ O) at 80 K. <i>European Physical Journal B</i> , 1991 , 83, 125-130	1.2	54
250	Optimized imaging using non-rigid registration. <i>Ultramicroscopy</i> , 2014 , 138, 46-56	3.1	52
249	Magnetoelastic tetragonal-to-orthorhombic distortion in ErNi ₂ B ₂ C. <i>Physical Review B</i> , 1997 , 56, 7843-7846	3.9	52
248	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. <i>Journal of Solid State Chemistry</i> , 1994 , 112, 1-8	3.3	52
247	Near UV excited line and broad band photoluminescence of an anion-ordered oxyfluoride. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4516-7	16.4	51
246	Three-dimensional structure of nanocomposites from atomic pair distribution function analysis: study of polyaniline and (polyaniline) _{0.5} V ₂ O ₅ × 1.0 H ₂ O. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8805-12	16.4	51
245	Cation and anion ordering in the layered oxyfluorides Sr _{3-x} AxAlO ₄ F (A=Ba, Ca). <i>Journal of Solid State Chemistry</i> , 2003 , 172, 89-94	3.3	48
244	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	3.3	48
243	Neutron powder investigation of the monoclinic to tetragonal phase transformation in undoped zirconia. <i>Acta Crystallographica Section B: Structural Science</i> , 1990 , 46, 724-730		48
242	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, 6152-7	11.5	47
241	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	2.6	47
240	Crystal structure refinement of Nd _{2-x} CexCuO ₄ (x = 0.05-0.30) by x-ray (295 K) and neutron (1.5 K) powder diffraction. <i>Solid State Communications</i> , 1990 , 73, 791-795	1.6	47
239	Synthesis, structure, and magnetic properties of Sr ₂ NiOsO ₆ and Ca ₂ NiOsO ₆ : two new osmium-containing double perovskites. <i>Inorganic Chemistry</i> , 2005 , 44, 9676-83	5.1	46
238	Low-temperature structural behavior of Sr ₂ RuO ₄ . <i>Physical Review B</i> , 1995 , 52, R9843-R9846	3.3	46
237	Defect Monitoring and Substitutions in Sr _{3-x} AxAlO ₄ F (A = Ca, Ba) Oxyfluoride Host Lattices and Phosphors. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11576-11583	3.8	45

236	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	3.8	45
235	Single-crystal neutron diffraction study of metamict zircon up to 2000 K. <i>Journal of Applied Crystallography</i> , 1992 , 25, 519-523	3.8	45
234	Phase transition of zeolite RHO at high-pressure. <i>Journal of the American Chemical Society</i> , 2001 , 123, 8418-9	16.4	44
233	Magnetic phase diagram of CoNb ₂ O ₆ : A neutron diffraction study. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 151, 123-131	2.8	44
232	Location of para-Xylene in Yb-Faujasite (Zeolite Y) by Neutron Diffraction. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 770-772		44
231	A LAXS (large angle x-ray scattering) and EXAFS (extended x-ray absorption fine structure) investigation of conductive amorphous nickel tetrathiolato polymers. <i>Journal of the American Chemical Society</i> , 1988 , 110, 1833-1840	16.4	44
230	Crystal Structures and Phase Transitions in the SrTiO ₃ /BrZrO ₃ Solid Solution. <i>Journal of Solid State Chemistry</i> , 2001 , 156, 255-263	3.3	43
229	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	3.3	43
228	Magnetic gap excitations in a one-dimensional mixed spin antiferromagnet Nd ₂ BaNiO ₅ . <i>Physical Review B</i> , 1996 , 54, 7210-7215	3.3	43
227	Phase separation over an extended compositional range: Studies of the Ca _{1-x} BixMnO ₃ (x. <i>Physical Review B</i> , 2000 , 62, 14928-14942	3.3	41
226	The location of mesitylene adsorbed in rare-earth-exchanged Y zeolite. <i>Zeolites</i> , 1992 , 12, 237-239		41
225	Luminescent phosphors, based on rare earth substituted oxyfluorides in the A(1) _{3-x} 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	3.8	40
224	High-pressure neutron diffraction study of superhydrated natrolite. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18223-5	3.4	40
223	Crystal and molecular structures of rhenium heptafluoride. <i>Science</i> , 1994 , 263, 1265-7	33.3	40
222	Oxygen and strontium codoping of La ₂ NiO ₄ : Room-temperature phase diagrams. <i>Physical Review B</i> , 2004 , 70,	3.3	39
221	THE STRUCTURE OF Bi ₂₆ Mo ₁₀ O ₆₉ . <i>Materials Research Bulletin</i> , 1997 , 32, 947-962	5.1	38
220	Valence-electron distribution in MgB ₂ by accurate diffraction measurements and first-principles calculations. <i>Physical Review B</i> , 2004 , 69,	3.3	38
219	3D structure of dendritic and hyper-branched macromolecules by X-ray diffraction. <i>Solid State Communications</i> , 2005 , 134, 671-675	1.6	38

218	Letter. Pressure-induced stabilization of ordered parnatrolite: A new insight into the parnatrolite controversy. <i>American Mineralogist</i> , 2005 , 90, 252-257	2.9	38
217	Localisation of excess oxygen in the high-Tc 2223-phase Bi _{1.9} Pb _{0.3} Sr _{2.0} Ca _{1.9} Cu _{3.0} O _{10+δ} by neutron powder diffraction. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 171, 339-343	1.3	38
216	One-step synthesis of core(Cr)/shell(γ-Fe(2)O(3)) nanoparticles. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5730-1	16.4	37
215	Anisotropic compression of edingtonite and thomsonite to 6 GPa at room temperature. <i>Physics and Chemistry of Minerals</i> , 2004 , 31, 22-27	1.6	37
214	Low temperature structural studies on PrAlO ₃ . <i>Journal of Physics Condensed Matter</i> , 2001 , 13, L203-L209	1.8	37
213	Chemical short range order obtained from the atomic pair distribution function. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2002 , 217, 47-50	1	37
212	Syntheses, Crystal Structures, and Properties of New Layered Tungsten(VI)-Containing Materials Based on the Hexagonal-WO ₃ Structure: M ₂ (WO ₃) ₃ SeO ₃ (M = NH ₄ , Rb, Cs). <i>Journal of Solid State Chemistry</i> , 1995 , 120, 112-120	3.3	37
211	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		37
210	Irreversible xenon insertion into a small-pore zeolite at moderate pressures and temperatures. <i>Nature Chemistry</i> , 2014 , 6, 835-9	17.6	36
209	Comparison of MoVTaTeO and MoVNbTeO M1 crystal chemistry. <i>Topics in Catalysis</i> , 2006 , 38, 31-40	2.3	36
208	Unraveling the symmetry of the hole states near the Fermi level in the MgB ₂ superconductor. <i>Physical Review Letters</i> , 2002 , 88, 247002	7.4	36
207	Structural studies of Sr ₂ GaSbO ₆ , Sr ₂ NiMoO ₆ , and Sr ₂ FeNbO ₆ using pressure and temperature. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 8761-8780	1.8	35
206	The effect of Nb or Ta substitution into the M1 phase of the MoV(Nb,Ta)TeO selective oxidation catalyst. <i>Catalysis Today</i> , 2009 , 142, 320-328	5.3	34
205	Bonding and Structural Variations in Doped Bi ₂ Sn ₂ O ₇ . <i>Journal of Solid State Chemistry</i> , 1997 , 131, 317-335	3.5	34
204	High-Pressure Chemistry of a Zeolitic Imidazolate Framework Compound in the Presence of Different Fluids. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11477-80	16.4	33
203	Highly sensitive and multidimensional detection of NO ₂ using In ₂ O ₃ thin films. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 251-259	8.5	33
202	Selective CO ₂ trapping in guest-free hydroquinone clathrate prepared by gas-phase synthesis. <i>ChemPhysChem</i> , 2011 , 12, 1056-9	3.2	33
201	Pressure-induced cation migration and volume expansion in the defect pyrochlores ANbWO ₆ (A = NH ₄ ⁺ , Rb ⁺ , H ⁺ , K ⁺). <i>Journal of the American Chemical Society</i> , 2003 , 125, 4572-9	16.4	33

200	Polymorphism of Gd ₅ Si ₂ Ge ₂ : The equivalence of temperature, magnetic field, and chemical and hydrostatic pressures. <i>Physical Review B</i> , 2005 , 71,	3.3	33
199	Degradation behavior of LaNi _{5-x} SnxHz (x=0.200.25) at elevated temperatures. <i>Journal of Alloys and Compounds</i> , 2002 , 330-332, 271-275	5.7	33
198	Magnetic Structure and Giant Magnetoresistance of Ferromagnetic La _{1-x} Mn _{1+x} O ₃ : An Example of Double-Exchange Striction?. <i>Journal of Solid State Chemistry</i> , 1996 , 126, 337-341	3.3	33
197	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. <i>Advanced Functional Materials</i> , 2017 , 27, 1605625	15.6	32
196	Synthesis of Orthorhombic Mo-V-Sb Oxide Species by Assembly of Pentagonal Mo ₆ O ₂₁ Polyoxometalate Building Blocks. <i>Angewandte Chemie</i> , 2009 , 121, 3840-3844	3.6	32
195	Powder X-ray diffraction study of the rhombohedral to cubic phase transition in TiF ₃ . <i>Materials Research Bulletin</i> , 2002 , 37, 77-83	5.1	32
194	Super-hydrated zeolites: pressure-induced hydration in natrolites. <i>Chemistry - A European Journal</i> , 2013 , 19, 10876-83	4.8	31
193	NO ₂ detection by adsorption induced work function changes in In ₂ O ₃ thin films. <i>Applied Physics Letters</i> , 2007 , 91, 043113	3.4	31
192	Pressure and temperature-dependent structural studies of Ba ₂ BiTaO ₆ . <i>Journal of Solid State Chemistry</i> , 2005 , 178, 207-211	3.3	31
191	The High-Temperature Phase Transition in Perovskite. <i>Europhysics Letters</i> , 1993 , 24, 281-285	1.6	31
190	Synthesis and crystal structure of tetragonal LnMg ₂ H ₇ (Ln=La, Ce), two Laves phase hydride derivatives having ordered hydrogen distribution. <i>Journal of Alloys and Compounds</i> , 1997 , 253-254, 313-317	5.7	30
189	Crystal Growth of Two New Niobates, La ₂ KNbO ₆ and Nd ₂ KNbO ₆ : Structural, Dielectric, Photophysical, and Photocatalytic Properties. <i>Chemistry of Materials</i> , 2008 , 20, 3327-3335	9.6	30
188	A role for subducted super-hydrated kaolinite in Earth's deep water cycle. <i>Nature Geoscience</i> , 2017 , 10, 947-953	18.3	29
187	Temperature dependent total scattering structural study of CaCu ₃ Ti ₄ O ₁₂ . <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S5091-S5102	1.8	29
186	High-Temperature Incommensurate-to-Commensurate Phase Transition in the Bi ₂ MoO ₆ Catalyst. <i>Journal of Solid State Chemistry</i> , 2000 , 155, 206-215	3.3	29
185	Synthesis and high-pressure behavior of Na _{0.3} CoO ₂ ?1.3H ₂ O and related phases. <i>Physical Review B</i> , 2003 , 68,	3.3	28
184	Temperature Dependent Structural Behavior of Sr ₂ RhO ₄ . <i>Journal of Solid State Chemistry</i> , 1996 , 123, 186-189	3.3	28
183	Magnetic structures of the tri-rutiles NiTa ₂ O ₆ and NiSb ₂ O ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 184, 111-115	2.8	27

182	Phase transition in BaBi ₂ Nb ₂ O ₉ : Implications for layered ferroelectrics. <i>Physical Review B</i> , 2002 , 66,	3.3	27
181	Pressure-Induced Phase Transition in PrAlO ₃ . <i>Chemistry of Materials</i> , 2002 , 14, 2644-2648	9.6	27
180	Synthesis and crystal structures of gallium and germanium variants of cancrinite. <i>Microporous and Mesoporous Materials</i> , 2000 , 39, 445-455	5.3	27
179	Observation of Sublattice Disorder of the Catalytic Sites in a Complex MoV ₂ NbTeO ₁₀ Oxidation Catalyst Using High Temperature STEM Imaging. <i>Topics in Catalysis</i> , 2014 , 57, 1138-1144	2.3	26
178	Direct Imaging of the MoVTenBO M1 Phase Using An Aberration-Corrected High-Resolution Scanning Transmission Electron Microscope. <i>Angewandte Chemie</i> , 2008 , 120, 2830-2833	3.6	26
177	Pressure-induced orthorhombic to rhombohedral phase transition in LaGaO ₃ . <i>Journal of Physics Condensed Matter</i> , 2001 , 13, L925-L930	1.8	26
176	Magnetism in and. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 10609-10625	1.8	26
175	Crystallographic distortion and magnetic structure of terbium iron garnet at low temperatures. <i>Journal of Solid State Chemistry</i> , 1990 , 84, 39-51	3.3	26
174	Synthesis and characterization of Bi nanorods and superconducting NiBi particles. <i>Journal of Alloys and Compounds</i> , 2005 , 400, 88-91	5.7	25
173	Structural analysis of a potassium hollandite K _{1.35} Ti ₈ O ₁₆ . <i>Journal of Solid State Chemistry</i> , 1989 , 83, 61-68	3.3	25
172	Pressure-Induced Argon Insertion into an Auxetic Small Pore Zeolite. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6922-6927	3.8	24
171	Pressure-induced migration of zeolitic water in laumontite. <i>Physics and Chemistry of Minerals</i> , 2004 , 31, 421	1.6	24
170	Composite germanium monochromators for high resolution neutron powder diffraction applications. <i>Journal of Neutron Research</i> , 1994 , 2, 85-94	0.5	24
169	Colossal positive magnetoresistance in a doped nearly magnetic semiconductor. <i>Physical Review B</i> , 2008 , 77,	3.3	23
168	Formation and Manipulation of Confined Water Wires. <i>Nano Letters</i> , 2004 , 4, 619-621	11.5	23
167	Crystal Structure of Nonstoichiometric La(Ni _{5-x} Sn _x) Alloys and Their Properties as Metal Hydride Electrodes. <i>Electrochemical and Solid-State Letters</i> , 1999 , 2, 111		23
166	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	3.3	22
165	Site Preference of Cobalt and Deuterium in the Structure of a Complex AB ₅ Alloy Electrode: A Neutron Powder Deffraction Study. <i>Journal of the Electrochemical Society</i> , 1999 , 146, 15-19	3.9	22

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