

# Thomas Vogt

## List of Publications by Year in descending order

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310  
papers

16,442  
citations

23567

58  
h-index

19749

117  
g-index

348  
all docs

348  
docs citations

348  
times ranked

13608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxide Ion Conductivity, Proton Conductivity, and Phase Transitions in Perovskite-Derived $\text{Ba}_{3-x}\text{Sr}_x\text{YGa}_2\text{O}_{7.5-0.5x}$ Materials. <i>Chemistry of Materials</i> , 2022, 34, 3185-3196.	6.7	5
2	Oxide Ion and Proton Conductivity in a Family of Highly Oxygen-Deficient Perovskite Derivatives. <i>Journal of the American Chemical Society</i> , 2022, 144, 615-624.	13.7	18
3	Super-hydration and reduction of manganese oxide minerals at shallow terrestrial depths. <i>Nature Communications</i> , 2022, 13, 1942.	12.8	5
4	Pressure-Dependent Colossal Resistivity and Anomalous Optical Signatures in $\text{FeSbO}_4$ . <i>Journal of Physical Chemistry C</i> , 2022, 126, 7630-7637.	3.1	2
5	X-ray Free Electron Laser-Induced Synthesis of $\mu$ -Iron Nitride at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3246-3252.	4.6	14
6	Detecting Framework Distortions Predicted by Hybrid-DFT: An Opportunity to Improve the M1 Catalyst. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11158-11163.	4.6	1
7	Probing Compositional Order in Atomic Columns: STEM Simulations Beyond the Virtual Crystal Approximation. <i>Microscopy and Microanalysis</i> , 2020, 26, 46-52.	0.4	3
8	Pressure-induced assemblies and structures of graphitic-carbon sheet encapsulated Au nanoparticles. <i>Nanoscale</i> , 2020, 12, 17462-17469.	5.6	3
9	Pressure-Induced Enhancement of Broad-Band White Light Emission in Butylammonium Lead Bromide. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4131-4137.	4.6	22
10	Subnanosecond phase transition dynamics in laser-shocked iron. <i>Science Advances</i> , 2020, 6, eaaz5132.	10.3	29
11	Pressure-Induced Enhancement of Optical Properties in Indium Oxide Nanowires. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10244-10251.	3.1	1
12	Pressure-Induced Hydration and Formation of Bilayer Ice in Nacrite, a Kaolin-Group Clay. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 183-188.	2.7	8
13	High-Pressure Phase Transitions of Morphologically Distinct $\text{Zn}_2\text{SnO}_4$ Nanostructures. <i>ACS Omega</i> , 2019, 4, 10539-10547.	3.5	9
14	Universal Gas-Uptake Behavior of a Zeolitic Imidazolate Framework ZIF-8 at High Pressure. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25769-25774.	3.1	10
15	Redistribution of native defects and photoconductivity in ZnO under pressure. <i>RSC Advances</i> , 2019, 9, 4303-4313.	3.6	15
16	Complex Molybdenum-Vanadium Oxide Bronzes and Suboxides as Catalysts for Selective Oxidation and Ammoxidation of Light Hydrocarbons. , 2019, , 157-198.		1
17	Ethylene Epoxidation Catalyzed by Ag Nanoparticles on AgLSX Zeolites formed by Pressure- and Temperature-Induced Auto-Reduction. <i>Chemistry - A European Journal</i> , 2018, 24, 1041-1045.	3.3	5
18	Local Structure Adaptations and Oxide Ionic Conductivity in the Type III Stability Region of $(1-x)\text{Tl}_x\text{ETQqO}$ . <i>Overlook</i> , 2018, 10, Tf 50	6.7	1

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19	Structuration under pressure: Spatial separation of inserted water during pressure-induced hydration in mesolite. <i>American Mineralogist</i> , 2018, 103, 175-178.	1.9	7
20	Multi-slice frozen phonon simulations of high-angle annular dark field scanning transmission electron microscopy images of the structurally and compositionally complex $\text{MoV}_x\text{Nb}_y\text{Te}$ oxide catalyst. <i>Advanced Structural and Chemical Imaging</i> , 2018, 4, 9.	4.0	4
21	Pressure-driven phase transitions and reduction of dimensionality in 2D silicon nanosheets. <i>Nature Communications</i> , 2018, 9, 5412.	12.8	14
22	High-pressure synchrotron X-ray diffraction study of tremolite and actinolite in various fluids. <i>Current Applied Physics</i> , 2018, 18, 1218-1224.	2.4	3
23	New Apatite-type Oxide Ion Conductor, $\text{Bi}_2\text{La}_8[(\text{GeO}_4)_6]\text{O}_3$ : 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.	14.9	37
24	Structural and Magnetic Properties of the Osmium Double Perovskites $\text{Ba}_2\text{SrYO}_6$ . <i>Inorganic Chemistry</i> , 2017, 56, 6565-6575.	4.0	11
25	Synthesis and structural characterization of the hexagonal anti-perovskite $\text{Na}_2\text{CaVO}_4\text{F}$ . <i>Journal of Solid State Chemistry</i> , 2017, 250, 134-139.	2.9	4
26	Natrolites with different $\text{Fe}^{2+}/\text{Fe}^{3+}$ cation ratios. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 109-118.	4.4	1
27	Rational Design of a Commensurate (3 + 3)-D Modulated Structure within the Fast-Ion Conducting Stabilized $\text{Bi}_2\text{O}_3$ Series. <i>Chemistry of Materials</i> , 2017, 29, 9171-9181.	6.7	4
28	A Combined Variable-Temperature Neutron Diffraction and Thermogravimetric Analysis Study on a Promising Oxygen Electrode, $\text{SrCo}_{0.9}\text{Nb}_{0.1}\text{O}_{3-\delta}$ , for Reversible Solid Oxide Fuel Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 34855-34864.	8.0	18
29	Dehydration studies of natrolites: Role of monovalent extra-framework cations and degree of hydration. <i>American Mineralogist</i> , 2017, 102, 1462-1469.	1.9	0
30	A role for subducted super-hydrated kaolinite in Earth's deep water cycle. <i>Nature Geoscience</i> , 2017, 10, 947-953.	12.9	47
31	ADF-STEM Imaging of Nascent Phases and Extended Disorder Within the $\text{MoV}_x\text{Nb}_y\text{Te}_z\text{O}$ Catalyst System. <i>Topics in Catalysis</i> , 2016, 59, 1489-1495.	2.8	17
32	How fast should we innovate?. <i>Journal of Responsible Innovation</i> , 2016, 3, 255-259.	4.9	3
33	Structural and spectroscopic studies of alkali-metal exchanged stilbites. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 339-348.	4.4	9
34	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, 11477-11480.	13.7	40
35	Pressure-Dependent Structural and Chemical Changes in a Metal-Organic Framework with One-Dimensional Pore Structure. <i>Chemistry of Materials</i> , 2016, 28, 5336-5341.	6.7	25
36	Impedance spectroscopic analysis of nanoparticle functionalized graphene/p-Si Schottky diode sensors. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 110312.	1.5	7

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37	High-pressure and high-temperature transformation of Pb( <i>ii</i> )-natrolite to Pb( <i>ii</i> )-lawsonite. Dalton Transactions, 2016, 45, 1622-1630.	3.3	5
38	Chabazite structures with Li+, Na+, Ag+, K+, NH4+, Rb+ and Cs+ as extra-framework cations. Microporous and Mesoporous Materials, 2016, 221, 253-263.	4.4	15
39	Pressure-Induced Amorphization of Small Pore Zeolites – the Role of Cation-H <sub>2</sub> O Topology and Anti-glass Formation. Scientific Reports, 2015, 5, 15056.	3.3	7
40	Pressure-Induced Metathesis Reaction To Sequester Cs. Environmental Science & Technology, 2015, 49, 513-519.	10.0	11
41	Structure and electronic properties of MoVO type mixed-metal oxides – a combined view by experiment and theory. Dalton Transactions, 2015, 44, 13778-13795.	3.3	21
42	Topotactic and reconstructive changes at high pressures and temperatures from Cs-natrolite to Cs-hexacelsian. American Mineralogist, 2015, 100, 1562-1567.	1.9	3
43	Structure, stability, and photoluminescence in the anti-perovskites Na <sub>3</sub> W <sub>1</sub> Mo <sub>4</sub> O <sub>4</sub> F (0 <sub>1</sub> ). Journal of Solid State Chemistry, 2015, 230, 279-286.	2.9	9
44	Editorial: Overlooking Glass?. Physical Review Applied, 2015, 3, .	3.8	8
45	Structural changes and self-activated photoluminescence in reductively annealed Sr <sub>3</sub> AlO <sub>4</sub> F. Journal of Solid State Chemistry, 2015, 228, 1-8.	2.9	14
46	Two-Step Pressure-Induced Superhydration in Small Pore Natrolite with Divalent Extra-Framework Cations. Chemistry of Materials, 2015, 27, 3874-3880.	6.7	21
47	Spectroscopic and Computational Characterizations of Alkaline-Earth- and Heavy-Metal-Exchanged Natrolites. ChemPlusChem, 2014, 79, 1096-1102.	2.8	3
48	Inter- and Intralayer Compression of Germanane. Journal of Physical Chemistry C, 2014, 118, 28196-28201.	3.1	7
49	Observation of Sublattice Disordering of the Catalytic Sites in a Complex Mo-V-Nb-Te-O Oxidation Catalyst Using High Temperature STEM Imaging. Topics in Catalysis, 2014, 57, 1138-1144.	2.8	28
50	Optimized imaging using non-rigid registration. Ultramicroscopy, 2014, 138, 46-56.	1.9	66
51	Spectroscopic and Computational Characterizations of Alkaline-Earth- and Heavy-Metal-Exchanged Natrolites. ChemPlusChem, 2014, 79, 1066-1066.	2.8	0
52	Potassium-Exchanged Natrolite Under Pressure. Computational Study vs Experiment. Journal of Physical Chemistry C, 2014, 118, 22030-22039.	3.1	5
53	Irreversible xenon insertion into a small-pore zeolite at moderate pressures and temperatures. Nature Chemistry, 2014, 6, 835-839.	13.6	42
54	Superhydrated Zeolites: Pressure-Induced Hydration in Natrolites. Chemistry - A European Journal, 2013, 19, 10876-10883.	3.3	39

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55	Doping for superior dielectrics. <i>Nature Materials</i> , 2013, 12, 782-783.	27.5	98
56	Role of Cation-Induced Water Disorder during Cation Exchange in Small-Pore Zeolite Sodium Natrolite. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16119-16126.	3.1	7
57	Monovalent Cation-Exchanged Natrolites and Their Behavior under Pressure. A Computational Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19020-19030.	3.1	18
58	Electrically tunable molecular doping of graphene. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	77
59	Oxy-Fluoride Phosphors for Solid State Lighting. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, R3088-R3099.	1.8	17
60	Pressure-Induced Hydration and Insertion of CO <sub>2</sub> into Ag-Natrolite. <i>Chemistry - A European Journal</i> , 2013, 19, 5806-5811.	3.3	13
61	Fast and reversible hydrogen storage in channel cages of hydroquinone clathrate. <i>Chemical Physics Letters</i> , 2012, 546, 120-124.	2.6	24
62	Structural distortions in Sr <sub>3-x</sub> AxMO <sub>4</sub> F (A=Ca, Ba; M=Al, Ga, In) anti-Perovskites and corresponding changes in photoluminescence. <i>Journal of Solid State Chemistry</i> , 2012, 194, 297-306.	2.9	19
63	Structures and self-activating photoluminescent properties of Sr <sub>3-x</sub> AxGaO <sub>4</sub> F (A=Ba, Ca) materials. <i>Journal of Solid State Chemistry</i> , 2012, 194, 375-384.	2.9	12
64	Thermal Expansion of the Superhydrated Small-Pore Zeolite Natrolite. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3286-3291.	3.1	6
65	Immobilization of Large, Aliovalent Cations in the Small-Pore Zeolite K-Natrolite by Means of Pressure. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4848-4851.	13.8	14
66	High-Quality Image Formation by Nonlocal Means Applied to High-Angle Annular Dark-Field Scanning Transmission Electron Microscopy (HAADF-STEM). <i>Nanostructure Science and Technology</i> , 2012, , 127-145.	0.1	15
67	Pressure- and Heat-Induced Insertion of CO <sub>2</sub> into an Auxetic Small-Pore Zeolite. <i>Journal of the American Chemical Society</i> , 2011, 133, 1674-1677.	13.7	59
68	Highly sensitive and multidimensional detection of NO <sub>2</sub> using In <sub>2</sub> O <sub>3</sub> thin films. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 251-259.	7.8	39
69	STEM HAADF Image Simulation of the Orthorhombic <i>M1</i> Phase in the Mo <sub>0.5</sub> V <sub>0.5</sub> Nb <sub>0.5</sub> Te <sub>0.5</sub> O Propane Oxidation Catalyst. <i>ChemCatChem</i> , 2011, 3, 1028-1033.	3.7	19
70	Improvement of the Structural Model for the M1 Phase Mo <sub>0.5</sub> V <sub>0.5</sub> Nb <sub>0.5</sub> Te <sub>0.5</sub> O Propane (Amm)oxidation Catalyst. <i>Topics in Catalysis</i> , 2011, 54, 614-626.	2.8	72
71	Selective CO <sub>2</sub> Trapping in Guest-Free Hydroquinone Clathrate Prepared by Gas-Phase Synthesis. <i>ChemPhysChem</i> , 2011, 12, 1056-1059.	2.1	40
72	In-situ dehydration studies of fully K-, Rb-, and Cs-exchanged natrolites. <i>American Mineralogist</i> , 2011, 96, 393-401.	1.9	20

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73	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
74	Pressure-induced hydration and cation migration in a Cs <sup>+</sup> exchanged gallosilicate zeolite LTL: Synchrotron X-ray powder diffraction study at ambient and high pressures. <i>Microporous and Mesoporous Materials</i> , 2010, 136, 75-82.	4.4	9
75	Anisotropic compression of a synthetic potassium aluminogermanate zeolite with gismondine topology. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2305-2308.	2.9	5
76	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
77	Pressure-Induced Argon Insertion into an Auxetic Small Pore Zeolite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6922-6927.	3.1	29
78	High-Angle Annular Dark-Field Scanning Transmission Electron Microscopy Investigations of Bimetallic Nickel Bismuth Nanomaterials Created by Electron-Beam-Induced Fragmentation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2538-2543.	3.1	9
79	Near UV Excited Line and Broad Band Photoluminescence of an Anion-Ordered Oxyfluoride. <i>Journal of the American Chemical Society</i> , 2010, 132, 4516-4517.	13.7	54
80	Chemical and Hydrostatic Pressure in Natrolites: Pressure-Induced Hydration of an Aluminogermanate Natrolite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18805-18811.	3.1	4
81	Defect Monitoring and Substitutions in Sr <sub>3-x</sub> A <sub>x</sub> AlO <sub>4</sub> F (A = Ca, Ba) Oxyfluoride Host Lattices and Phosphors. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11576-11583.	3.1	50
82	Aberration-corrected STEM investigation of the M2 phase of MoVNbTeO selective oxidation catalyst. <i>Journal of Electron Microscopy</i> , 2009, 58, 193-198.	0.9	12
83	Low temperature structural phase transition of Ba <sub>3</sub> Nalr <sub>2</sub> O <sub>9</sub> . <i>Solid State Sciences</i> , 2009, 11, 608-613.	3.2	11
84	Synthesis of Orthorhombic Mo <sub>6</sub> V <sub>6</sub> Sb Oxide Species by Assembly of Pentagonal Mo <sub>6</sub> O <sub>21</sub> Polyoxometalate Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3782-3786.	13.8	96
85	Luminescent phosphors, based on rare earth substituted oxyfluorides in the A(1)3 <sup>x</sup> A(2)xMO <sub>4</sub> 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
86	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.	4.4	37
87	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, 2788-2791.	13.8	97
88	Synthesis, structure, magnetic properties and structural distortion under high pressure of a new osmate, Sr <sub>2</sub> CuOsO <sub>6</sub> . <i>Journal of Solid State Chemistry</i> , 2008, 181, 623-627.	2.9	27
89	Non-superconducting Na <sub>0.3</sub> CoO <sub>2</sub> H <sub>2</sub> O. <i>Solid State Communications</i> , 2008, 148, 271-273.	1.9	0
90	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

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91	Crystal Growth of Two New Niobates, La <sub>2</sub> KNbO <sub>6</sub> and Nd <sub>2</sub> KNbO <sub>6</sub> : Structural, Dielectric, Photophysical, and Photocatalytic Properties. <i>Chemistry of Materials</i> , 2008, 20, 3327-3335.	6.7	32
92	Pressure-Induced Hydration and Order-Disorder Transition in a Synthetic Potassium Gallosilicate Zeolite with Gismondine Topology. <i>Journal of the American Chemical Society</i> , 2008, 130, 2842-2850.	13.7	12
93	Two-dimensional signatures for molecular identification. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	13
94	Colossal positive magnetoresistance in a doped nearly magnetic semiconductor. <i>Physical Review B</i> , 2008, 77, .	3.2	24
95	Using Aberration-corrected STEM Imaging to Explore Chemical and Structural Variations in the M1 Phase of the MoVNbTeO Oxidation Catalyst. <i>Microscopy and Microanalysis</i> , 2008, 14, 2-3.	0.4	25
96	N O <sub>2</sub> detection by adsorption induced work function changes in In <sub>2</sub> O <sub>3</sub> thin films. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	43
97	Trace gas detection using nanostructured graphite layers. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	61
98	Pressure- and temperature-dependent X-ray diffraction studies of NdCrO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2007, 433, 91-96.	5.5	15
99	Epitaxial Thin-Film Deposition and Dielectric Properties of the Perovskite Oxynitride BaTaO <sub>2</sub> N. <i>Chemistry of Materials</i> , 2007, 19, 618-623.	6.7	87
100	Investigation of functionalization layers for NO <sub>2</sub> detection. , 2007, , .		0
101	Dehydration-Induced Water Disordering in a Synthetic Potassium Gallosilicate Natrolite. <i>Journal of the American Chemical Society</i> , 2007, 129, 13744-13748.	13.7	8
102	Electron Beam-Induced Fragmentation and Dispersion of Bi <sup>3+</sup> Ni Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10824-10828.	3.1	18
103	Cation Substitution in Defect Thiospinels: Structural and Magnetic Properties of GaV <sub>4-x</sub> Mo <sub>x</sub> S <sub>8</sub> (0 ≤ x ≤ 4). <i>Chemistry of Materials</i> , 2007, 19, 5035-5044.	6.7	19
104	Structure and magnetism of the mono-layer hydrate Na <sub>0.3</sub> NiO <sub>2</sub> · 0.7H <sub>2</sub> O. <i>Solid State Communications</i> , 2007, 142, 75-79.	1.9	4
105	Opportunities in the 'post-academic' world. <i>Nature Nanotechnology</i> , 2007, 2, 329-332.	31.5	16
106	Pressure induced octahedral tilting distortion in Ba <sub>2</sub> YTaO <sub>6</sub> . <i>Chemical Communications</i> , 2006, , 168-170.	4.1	24
107	Structural studies of Sr <sub>2</sub> GaSbO <sub>6</sub> , Sr <sub>2</sub> NiMoO <sub>6</sub> , and Sr <sub>2</sub> FeNbO <sub>6</sub> using pressure and temperature. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 8761-8780.	1.8	40
108	Pressure-induced hydration in zeolite tetranatrolite. <i>American Mineralogist</i> , 2006, 91, 247-251.	1.9	19

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109	Chiral Three-Dimensional Microporous Nickel Aspartate with Extended Ni <sup>2+</sup> -O <sup>2-</sup> -Ni Bonding. Journal of the American Chemical Society, 2006, 128, 9957-9962.	13.7	218
110	Synthesis and Structure of the Bilayer Hydrate Na <sub>0.3</sub> NiO <sub>2</sub> ·1.3D <sub>2</sub> O. Inorganic Chemistry, 2006, 45, 3490-3492.	4.0	18
111	Pressure-induced phase transition and octahedral tilt system change of Ba <sub>2</sub> BiSbO <sub>6</sub> . Journal of Solid State Chemistry, 2006, 179, 917-922.	2.9	20
112	Compression mechanisms of symmetric and Jahn-Teller distorted octahedra in double perovskites: A <sub>2</sub> CuWO <sub>6</sub> (A=Sr, Ba), Sr <sub>2</sub> CoMoO <sub>6</sub> , and La <sub>2</sub> LiRuO <sub>6</sub> . Journal of Solid State Chemistry, 2006, 179, 3556-3561.	2.9	19
113	Magnetic spin glass properties of the bi-layer hydrate Na <sub>0.3</sub> NiO <sub>2</sub> ·1.3H <sub>2</sub> O. Solid State Communications, 2006, 139, 60-63.	1.9	6
114	Comparison of MoVTaTeO and MoVNbTeO M1 crystal chemistry. Topics in Catalysis, 2006, 38, 31-40.	2.8	37
115	The preparation and characterization of photocatalytically active TiO <sub>2</sub> thin films and nanoparticles using Successive-Ionic-Layer-Adsorption-and-Reaction. Thin Solid Films, 2006, 515, 1250-1254.	1.8	21
116	Pressure-induced structural and electronic changes in $\text{AlH}_3$ . Physical Review B, 2006, 74, .	3.2	76
117	Effect of pressure and chemical substitutions on the charge-density-wave in LaAgSb <sub>2</sub> . Physical Review B, 2006, 73, .	3.2	20
118	Colossal magnetoresistance in Fe <sub>1-x</sub> Co <sub>x</sub> Sb <sub>2</sub> . , 2005, , .		1
119	Pressure and temperature-dependent structural studies of Ba <sub>2</sub> BiTaO <sub>6</sub> . Journal of Solid State Chemistry, 2005, 178, 207-211.	2.9	32
120	Temperature and pressure dependent structural studies of the ordered double perovskites Sr <sub>2</sub> TbRu <sub>1-x</sub> Ru <sub>x</sub> O <sub>6</sub> . Journal of Solid State Chemistry, 2005, 178, 2282-2291.	2.9	13
121	Synthesis and structure of the monolayer hydrate K <sub>0.3</sub> CoO <sub>2</sub> ·0.4H <sub>2</sub> O. Solid State Communications, 2005, 134, 607-611.	1.9	9
122	3D structure of dendritic and hyper-branched macromolecules by X-ray diffraction. Solid State Communications, 2005, 134, 671-675.	1.9	38
123	Synthesis and characterization of Na <sub>0.3</sub> RhO <sub>2</sub> ·0.6H <sub>2</sub> O as a semiconductor with a weak ferromagnetic component. Solid State Communications, 2005, 135, 51-56.	1.9	16
124	High-Pressure Investigation of Sr <sub>3</sub> PbNiO <sub>6</sub> . ChemInform, 2005, 36, no.	0.0	0
125	Synthesis and Characterization of Bi Nanorods and Superconducting NiBi Particles.. ChemInform, 2005, 36, no.	0.0	0
126	High-Pressure Neutron Diffraction Study of Superhydrated Natrolite.. ChemInform, 2005, 36, no.	0.0	0



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127	Structure of nanocrystalline MgFe <sub>2</sub> O <sub>4</sub> from X-ray diffraction, Rietveld and atomic pair distribution function analysis. <i>Journal of Applied Crystallography</i> , 2005, 38, 772-779.	4.5	91
128	Variable-temperature structural studies of tetranatrolite from Mt. Saint-Hilaire: Synchrotron X-ray powder diffraction and Rietveld analysis. <i>American Mineralogist</i> , 2005, 90, 247-251.	1.9	8
129	Pressure-induced stabilization of ordered paranatrolite: A new insight into the paranatrolite controversy. <i>American Mineralogist</i> , 2005, 90, 252-257.	1.9	47
130	Structures and thermodynamics of the mixed alkali alanates. <i>Physical Review B</i> , 2005, 71, .	3.2	75
131	Polymorphism of Gd <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> : The equivalence of temperature, magnetic field, and chemical and hydrostatic pressures. <i>Physical Review B</i> , 2005, 71, .	3.2	37
132	Kondo insulator description of spin state transition in FeSb <sub>2</sub> . <i>Physical Review B</i> , 2005, 72, .	3.2	113
133	Three-Dimensional Structure of Nanocomposites from Atomic Pair Distribution Function Analysis: A Study of Polyaniline and (Polyaniline) <sub>0.5</sub> V <sub>2</sub> O <sub>5</sub> ·1.0H <sub>2</sub> O. <i>Journal of the American Chemical Society</i> , 2005, 127, 8805-8812.	13.7	52
134	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
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266	Ferroelastic transformation and crystal structure of Ba-diluted lead phosphate, (Pb <sub>1-x</sub> ) <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> . <i>Kristallographie - Crystalline Materials</i> , 1993, 206, 213-231.	0.8	9
267	Neutron diffraction study of the orthorhombic low-temperature phase of N <sub>2</sub> D <sub>7</sub> I and X-ray investigations of the tetragonal and orthorhombic phases of N <sub>2</sub> H <sub>7</sub> I. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1993, 203, 199-214.	0.8	14
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270	The location of mesitylene adsorbed in rare-earth-exchanged Y zeolite. <i>Zeolites</i> , 1992, 12, 237-239.	0.5	46



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283	Aniline in Yb,Na-Y: A neutron powder diffraction study. <i>Zeolites</i> , 1991, 11, 832-836.	0.5	64
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