

Thomas Vogt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

307
papers

14,399
citations

56
h-index

109
g-index

348
ext. papers

15,298
ext. citations

5.7
avg, IF

6.08
L-index

#	Paper	IF	Citations
307	Oxide Ion Conductivity, Proton Conductivity, and Phase Transitions in Perovskite-Derived Ba Sr YGaO 0 BB Materials.. <i>Chemistry of Materials</i> , 2022 , 34, 3185-3196	9.6	1
306	Super-hydration and reduction of manganese oxide minerals at shallow terrestrial depths.. <i>Nature Communications</i> , 2022 , 13, 1942	17.4	
305	Pressure-Dependent Colossal Resistivity and Anomalous Optical Signatures in FeSbO4. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 7630-7637	3.8	0
304	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	6.4	
303	X-ray Free Electron Laser-Induced Synthesis of Iron Nitride at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3246-3252	6.4	3
302	Solid State Materials Chemistry 2021 ,		4
301	Oxide Ion and Proton Conductivity in a Family of Highly Oxygen-Deficient Perovskite Derivatives.. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	4
300	Pressure-Induced Enhancement of Broad-Band White Light Emission in Butylammonium Lead Bromide. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4131-4137	6.4	13
299	Subnanosecond phase transition dynamics in laser-shocked iron. <i>Science Advances</i> , 2020 , 6, eaaz5132	14.3	16
298	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	3.2	3
297	Probing Compositional Order in Atomic Columns: STEM Simulations Beyond the Virtual Crystal Approximation. <i>Microscopy and Microanalysis</i> , 2020 , 26, 46-52	0.5	2
296	Pressure-induced assemblies and structures of graphitic-carbon sheet encapsulated Au nanoparticles. <i>Nanoscale</i> , 2020 , 12, 17462-17469	7.7	2
295	Pressure-Induced Enhancement of Optical Properties in Indium Oxide Nanowires. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 10244-10251	3.8	
294	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	3.8	3
293	Redistribution of native defects and photoconductivity in ZnO under pressure.. <i>RSC Advances</i> , 2019 , 9, 4303-4313	3.7	7
292	High-Pressure Phase Transitions of Morphologically Distinct ZnSnO Nanostructures. <i>ACS Omega</i> , 2019 , 4, 10539-10547	3.9	4
291	Complex Molybdenum/Vanadium Oxide Bronzes and Suboxides as Catalysts for Selective Oxidation and Ammoxidation of Light Hydrocarbons 2019 , 157-198		1

290	Ethylene Epoxidation Catalyzed by Ag Nanoparticles on Ag-LSX Zeolites formed by Pressure- and Temperature-Induced Auto-Reduction. <i>Chemistry - A European Journal</i> , 2018 , 24, 1041-1045	4.8	5
289	Local Structure Adaptations and Oxide Ionic Conductivity in the Type III Stability Region of $(1-x)\text{Bi}_2\text{O}_3\text{-}x\text{Nb}_2\text{O}_5$. <i>Chemistry of Materials</i> , 2018 , 30, 3387-3394	9.6	1
288	Structuration under pressure: Spatial separation of inserted water during pressure-induced hydration in mesolite. <i>American Mineralogist</i> , 2018 , 103, 175-178	2.9	6
287	Multi-slice Frozen phonon simulations of high-angle annular dark field scanning transmission electron microscopy images of the structurally and compositionally complex Mo-V-Nb-Te oxide catalyst. <i>Advanced Structural and Chemical Imaging</i> , 2018 , 4, 9	3.9	2
286	Pressure-driven phase transitions and reduction of dimensionality in 2D silicon nanosheets. <i>Nature Communications</i> , 2018 , 9, 5412	17.4	9
285	High-pressure synchrotron X-ray diffraction study of tremolite and actinolite in various fluids. <i>Current Applied Physics</i> , 2018 , 18, 1218-1224	2.6	1
284	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	15.6	32
283	Structural and Magnetic Properties of the Osmium Double Perovskites BaSrYO_6 . <i>Inorganic Chemistry</i> , 2017 , 56, 6565-6575	5.1	9
282	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	3.3	2
281	Natrolites with different $\text{Fe}^{2+}/\text{Fe}^{3+}$ cation ratios. <i>Microporous and Mesoporous Materials</i> , 2017 , 244, 1095-118	5.18	1
280	Rational Design of a Commensurate (3 + 3)-D Modulated Structure within the Fast-Ion Conducting Stabilized Bi_2O_3 Series. <i>Chemistry of Materials</i> , 2017 , 29, 9171-9181	9.6	3
279	A Combined Variable-Temperature Neutron Diffraction and Thermogravimetric Analysis Study on a Promising Oxygen Electrode, SrCoNbO_6 , for Reversible Solid Oxide Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34855-34864	9.5	16
278	Dehydration studies of natrolites: Role of monovalent extra-framework cations and degree of hydration. <i>American Mineralogist</i> , 2017 , 102, 1462-1469	2.9	
277	A role for subducted super-hydrated kaolinite in Earth's deep water cycle. <i>Nature Geoscience</i> , 2017 , 10, 947-953	18.3	29
276	Chabazite structures with Li^+ , Na^+ , Ag^+ , K^+ , NH_4^+ , Rb^+ and Cs^+ as extra-framework cations. <i>Microporous and Mesoporous Materials</i> , 2016 , 221, 253-263	5.3	13
275	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
274	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	9.6	20
273	Impedance spectroscopic analysis of nanoparticle functionalized graphene/p-Si Schottky diode sensors. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 110312	1.4	6

272	High-pressure and high-temperature transformation of Pb(II)-natrolite to Pb(II)-lawsonite. <i>Dalton Transactions</i> , 2016 , 45, 1622-30	4.3	2
271	ADF-STEM Imaging of Nascent Phases and Extended Disorder Within the MoV/NbTeO Catalyst System. <i>Topics in Catalysis</i> , 2016 , 59, 1489-1495	2.3	13
270	How fast should we innovate?. <i>Journal of Responsible Innovation</i> , 2016 , 3, 255-259	2.1	2
269	Structural and spectroscopic studies of alkali-metal exchanged stilbites. <i>Microporous and Mesoporous Materials</i> , 2016 , 224, 339-348	5.3	6
268	Structure and electronic properties of MoVO type mixed-metal oxides - a combined view by experiment and theory. <i>Dalton Transactions</i> , 2015 , 44, 13778-95	4.3	18
267	Topotactic and reconstructive changes at high pressures and temperatures from Cs-natrolite to Cs-hexacelsian. <i>American Mineralogist</i> , 2015 , 100, 1562-1567	2.9	2
266	Structure, stability, and photoluminescence in the anti-perovskites Na ₃ W _{1-x} MoxO ₄ F (0 ≤ x ≤ 1). <i>Journal of Solid State Chemistry</i> , 2015 , 230, 279-286	3.3	6
265	Structural changes and self-activated photoluminescence in reductively annealed Sr ₃ AlO ₄ F. <i>Journal of Solid State Chemistry</i> , 2015 , 228, 1-8	3.3	6
264	Two-Step Pressure-Induced Superhydration in Small Pore Natrolite with Divalent Extra-Framework Cations. <i>Chemistry of Materials</i> , 2015 , 27, 3874-3880	9.6	18
263	Pressure-Induced Amorphization of Small Pore Zeolites-the Role of Cation-H ₂ O Topology and Anti-glass Formation. <i>Scientific Reports</i> , 2015 , 5, 15056	4.9	3
262	Pressure-induced metathesis reaction to sequester Cs. <i>Environmental Science & Technology</i> , 2015 , 49, 513-9	10.3	9
261	Solids: Characterization by Powder Diffraction 2014 , 1-19		
260	Spectroscopic and Computational Characterizations of Alkaline-Earth- and Heavy-Metal-Exchanged Natrolites. <i>ChemPlusChem</i> , 2014 , 79, 1066-1066	2.8	
259	Potassium-Exchanged Natrolite Under Pressure. Computational Study vs Experiment. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22030-22039	3.8	5
258	Irreversible xenon insertion into a small-pore zeolite at moderate pressures and temperatures. <i>Nature Chemistry</i> , 2014 , 6, 835-9	17.6	36
257	Spectroscopic and Computational Characterizations of Alkaline-Earth- and Heavy-Metal-Exchanged Natrolites. <i>ChemPlusChem</i> , 2014 , 79, 1096-1102	2.8	3
256	Inter- and Intralayer Compression of Germanane. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28196-28203	3.8	7
255	Observation of Sublattice Disordering of the Catalytic Sites in a Complex MoV/NbTeO Oxidation Catalyst Using High Temperature STEM Imaging. <i>Topics in Catalysis</i> , 2014 , 57, 1138-1144	2.3	26

254	Optimized imaging using non-rigid registration. <i>Ultramicroscopy</i> , 2014 , 138, 46-56	3.1	52
253	Super-hydrated zeolites: pressure-induced hydration in natrolites. <i>Chemistry - A European Journal</i> , 2013 , 19, 10876-83	4.8	31
252	Role of Cation-Water Disorder during Cation Exchange in Small-Pore Zeolite Sodium Natrolite. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16119-16126	3.8	2
251	Monovalent Cation-Exchanged Natrolites and Their Behavior under Pressure. A Computational Study. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 19020-19030	3.8	15
250	Electrically tunable molecular doping of graphene. <i>Applied Physics Letters</i> , 2013 , 102, 043101	3.4	65
249	Oxy-Fluoride Phosphors for Solid State Lighting. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, R3088-R3099	2	16
248	Pressure-induced hydration and insertion of CO ₂ into Ag-natrolite. <i>Chemistry - A European Journal</i> , 2013 , 19, 5806-11	4.8	10
247	Fast and reversible hydrogen storage in channel cages of hydroquinone clathrate. <i>Chemical Physics Letters</i> , 2012 , 546, 120-124	2.5	20
246	Structural distortions in Sr _{3-x} AxMO ₄ 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	3.3	12
245	Structures and self-activating photoluminescent properties of Sr _{3-x} AxGaO ₄ F (A=Ba, Ca) materials. <i>Journal of Solid State Chemistry</i> , 2012 , 194, 375-384	3.3	7
244	Thermal Expansion of the Superhydrated Small-Pore Zeolite Natrolite. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3286-3291	3.8	4
243	Neutron Powder Diffraction 2012 , 1		
242	Immobilization of Large, Alivalent Cations in the Small-Pore Zeolite K-Natrolite by Means of Pressure. <i>Angewandte Chemie</i> , 2012 , 124, 4932-4935	3.6	3
241	Immobilization of large, aliovalent cations in the small-pore zeolite K-natrolite by means of pressure. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4848-51	16.4	12
240	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	0.9	9
239	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
238	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
237	STEM HAADF Image Simulation of the Orthorhombic M1 Phase in the Mo-V-Nb-Te-O Propane Oxidation Catalyst. <i>ChemCatChem</i> , 2011 , 3, 1028-1033	5.2	17

236	Improvement of the Structural Model for the M1 Phase MoVNbTeO Propane (Amm)oxidation Catalyst. <i>Topics in Catalysis</i> , 2011 , 54, 614-626	2.3	68
235	Selective CO ₂ trapping in guest-free hydroquinone clathrate prepared by gas-phase synthesis. <i>ChemPhysChem</i> , 2011 , 12, 1056-9	3.2	33
234	In-situ dehydration studies of fully K-, Rb-, and Cs-exchanged natrolites. <i>American Mineralogist</i> , 2011 , 96, 393-401	2.9	17
233	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
232	Pressure-Induced Argon Insertion into an Auxetic Small Pore Zeolite. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6922-6927	3.8	24
231	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	3.8	9
230	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
229	Chemical and Hydrostatic Pressure in Natrolites: Pressure-Induced Hydration of an Aluminogermanate Natrolite. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18805-18811	3.8	3
228	Defect Monitoring and Substitutions in Sr _{3-2x} 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
227	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	8.6	47
226	Pressure-induced hydration and cation migration in a Cs ⁺ 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	5.3	7
225	Anisotropic compression of a synthetic potassium aluminogermanate zeolite with gismondine topology. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2305-2308	3.3	5
224	Aberration-corrected STEM investigation of the M2 phase of MoVNbTeO selective oxidation catalyst. <i>Journal of Electron Microscopy</i> , 2009 , 58, 193-8		11
223	Low temperature structural phase transition of Ba ₃ Nalr ₂ O ₉ . <i>Solid State Sciences</i> , 2009 , 11, 608-613	3.4	8
222	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
221	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
220	Luminescent phosphors, based on rare earth substituted oxyfluorides in the A(1) _{3-2x} 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
219	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

218	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
217	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
216	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, 2842-50	16.4	12
215	Two-dimensional signatures for molecular identification. <i>Applied Physics Letters</i> , 2008 , 92, 103120	3.4	12
214	Colossal positive magnetoresistance in a doped nearly magnetic semiconductor. <i>Physical Review B</i> , 2008 , 77,	3.3	23
213	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	0.5	20
212	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
211	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
210	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
209	Non-superconducting Na _{0.3} CoO ₂ ·2H ₂ O. <i>Solid State Communications</i> , 2008 , 148, 271-273	1.6	
208	Dehydration-induced water disordering in a synthetic potassium gallosilicate natrolite. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13744-8	16.4	7
207	Electron Beam-Induced Fragmentation and Dispersion of Bi ₂ Se ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10824-10828	3.8	14
206	Cation Substitution in Defect Thiospinels: Structural and Magnetic Properties of GaV _{4-x} MoxS ₈ (0 ≤ x ≤ 4). <i>Chemistry of Materials</i> , 2007 , 19, 5035-5044	9.6	16
205	Structure and magnetism of the mono-layer hydrate Na _{0.3} NiO ₂ · 0.7H ₂ O. <i>Solid State Communications</i> , 2007 , 142, 75-79	1.6	4
204	Opportunities in the 'post-academic' world. <i>Nature Nanotechnology</i> , 2007 , 2, 329-32	28.7	14
203	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
202	Trace gas detection using nanostructured graphite layers. <i>Applied Physics Letters</i> , 2007 , 91, 233101	3.4	58
201	Pressure- and temperature-dependent X-ray diffraction studies of NdCrO ₃ . <i>Journal of Alloys and Compounds</i> , 2007 , 433, 91-96	5.7	10

200	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
199	The preparation and characterization of photocatalytically active TiO ₂ thin films and nanoparticles using Successive-Ionic-Layer-Adsorption-and-Reaction. <i>Thin Solid Films</i> , 2006 , 515, 1250-1254	2.2	20
198	Pressure-induced structural and electronic changes in AlH ₃ . <i>Physical Review B</i> , 2006 , 74,	3.3	73
197	Effect of pressure and chemical substitutions on the charge-density-wave in LaAgSb ₂ . <i>Physical Review B</i> , 2006 , 73,	3.3	13
196	Pressure induced octahedral tilting distortion in Ba ₂ YTaO ₆ . <i>Chemical Communications</i> , 2006 , 168-70	5.8	19
195	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
194	Pressure-induced hydration in zeolite tetranatrolite. <i>American Mineralogist</i> , 2006 , 91, 247-251	2.9	15
193	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
192	Synthesis and structure of the bilayer hydrate Na _{0.3} NiO ₂ ·1.3D ₂ O. <i>Inorganic Chemistry</i> , 2006 , 45, 3490-2	5.1	17
191	Pressure-induced phase transition and octahedral tilt system change of Ba ₂ BiSbO ₆ . <i>Journal of Solid State Chemistry</i> , 2006 , 179, 917-922	3.3	19
190	Compression mechanisms of symmetric and Jahn-Teller distorted octahedra in double perovskites: A ₂ CuWO ₆ (A=Sr, Ba), Sr ₂ CoMoO ₆ , and La ₂ LiRuO ₆ . <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3556-3561	3.3	18
189	Magnetic spin glass properties of the bi-layer hydrate Na _{0.3} NiO ₂ ·1.3H ₂ O. <i>Solid State Communications</i> , 2006 , 139, 60-63	1.6	6
188	Comparison of MoVTaTeO and MoVNbTeO M1 crystal chemistry. <i>Topics in Catalysis</i> , 2006 , 38, 31-40	2.3	36
187	Kondo insulator description of spin state transition in FeSb ₂ . <i>Physical Review B</i> , 2005 , 72,	3.3	105
186	Three-dimensional structure of nanocomposites from atomic pair distribution function analysis: study of polyaniline and (polyaniline)(0.5)V(2)O(5) x 1.0 H(2)O. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8805-12	16.4	51
185	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
184	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
183	High-pressure neutron diffraction study of superhydrated natrolite. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18223-5	3.4	40

182	High-pressure investigation of Sr ₃ PbNiO ₆ . <i>Journal of Alloys and Compounds</i> , 2005 , 390, 35-40	5.7	2
181	Synthesis and characterization of Bi nanorods and superconducting NiBi particles. <i>Journal of Alloys and Compounds</i> , 2005 , 400, 88-91	5.7	25
180	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
179	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
178	Temperature and pressure dependent structural studies of the ordered double perovskites Sr ₂ TbRu _{1-x} Ir _x O ₆ . <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2282-2291	3.3	11
177	Synthesis and structure of the monolayer hydrate K _{0.3} CoO ₂ ·4H ₂ O. <i>Solid State Communications</i> , 2005 , 134, 607-611	1.6	8
176	3D structure of dendritic and hyper-branched macromolecules by X-ray diffraction. <i>Solid State Communications</i> , 2005 , 134, 671-675	1.6	38
175	Synthesis and characterization of Na _{0.3} RhO ₂ ·6H ₂ O semiconductor with a weak ferromagnetic component. <i>Solid State Communications</i> , 2005 , 135, 51-56	1.6	14
174	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	3.8	73
173	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	2.9	7
172	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
171	Structures and thermodynamics of the mixed alkali alanates. <i>Physical Review B</i> , 2005 , 71,	3.3	70
170	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
169	Valence-electron distribution in MgB ₂ by accurate diffraction measurements and first-principles calculations. <i>Physical Review B</i> , 2004 , 69,	3.3	38
168	Magnetostriction in a simple trivalent manganese perovskite. <i>Physical Review B</i> , 2004 , 69,	3.3	13
167	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
166	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
165	Pressure-induced migration of zeolitic water in laumontite. <i>Physics and Chemistry of Minerals</i> , 2004 , 31, 421	1.6	24

164	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
163	Formation and Manipulation of Confined Water Wires. <i>Nano Letters</i> , 2004 , 4, 619-621	11.5	23
162	Mixed Iron/Manganese Oxide Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14876-14883	3.4	58
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