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2237	A single-crystal and synchrotron powder X-ray refinement of the structure of $SrNb_8O_{14}$, a new oxoniobate containing Nb_6 octahedra. 1988 , 142, 123-133	29
2236	Photoemission from single-crystalline $Bi-Sr-Ca-Cu-O$. 1988 , 38, 7051-7053	42
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2234	X-ray Powder Diffraction Data and Structure Refinement of TeO_3 . 1988 , 3, 175-176	19
2233	Origin of the incommensurate modulation of the 80-K superconductor $Bi_2Sr_2CaCu_2O_{8.21}$ derived from isostructural commensurate $Bi_{10}Sr_{15}Fe_{10}O_{46}$. 1989 , 40, 6810-6816	255
2232	Doping mechanism in $Bi(Pb)-Sr-Ca-Cu-O$ superconductors. 1989 , 66, 4878-4885	36
2231	Some evidence for cation disorder in $YBa_2Cu_3O_7$. 1989 , 40, 11324-11325	2
2230	Superconductivity in the system $Bi_2Sr_{2-x}La_xCuO_{6+\delta}$: Hole formation by $(LaO)^+$. 1989 , 39, 7244-7247	49
2229	Structural properties of the superconductor $LaBa_2Cu_3-yO_{7-z}$ in the solid solution system $La_{1+x}Ba_{2-x}Cu_3-yO_{7-z}$. 1989 , 40, 6771-6786	57
2228	Preparation and properties of superconducting $La_{1+x}Ba_{2-x}Cu_3O_y$ ($0 < x < 1$). 1989 , 39, 9126-9138	87
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2224	Structural and superconducting properties of $Bi_2Sr_2(M^{1+}My?)_2Cu_3O_x$ ($M^+=Ca, Y$; $M^+=Na, Ca$) including hydrided materials. 1989 , 24, 1103-1110	6
2223	Thermodynamic evaluation of the zero-valence radii of transition metals. 1989 , 38, 2159-2160	
2222	Mew method for estimating polarity of chemical bonds. 1989 , 38, 2473-2475	

2221	The crystal structure of the adduct $3\text{NaI} \cdot 2\text{Sucrose} \cdot 3\text{H}_2\text{O}$. 1989 , 191, 91-104	23
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2219	PbMo_5O_8 und $\text{Tl}_{0.8}\text{Sn}_{0.6}\text{Mo}_7\text{O}_{11}$, neue Cluster von Molybdän und Thallium. 1989 , 101, 775-776	26
2218	Re-determination of the crystal structure of $\text{NaBr} \cdot \text{Sucrose} \cdot 2\text{H}_2\text{O}$. 1989 , 191, 105-116	23
2217	Nb and Ta substitutions in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and related phases: Structural characterisation of $\text{La}_{1.1}\text{Ba}_{1.9}\text{Cu}_{2.1}\text{M}_{0.9}\text{O}_8$ (M=Nb, Ta). 1989 , 161, 245-251	71
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2215	On the coordination of bismuth in $\text{Bi}_2\text{CaSr}_2\text{Cu}_2\text{O}_8$ - A _{2aa} /A _{maa} structures revisited. 1989 , 157, 515-519	19
2214	Low temperature anomalies and pressure effects on the structure and T_c of the superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$ ($T_c=80$ K). 1989 , 159, 668-680	239
2213	Structural and spectroscopic investigations of $\text{LaFeAl}_{11}\text{O}_{19}$ compounds. 1989 , 81, 192-202	24
2212	The structure of $\text{CsV}(\text{MoO}_4)_2$. 1989 , 80, 144-148	4
2211	Crystal structures of NaCuO_2 and KCuO_2 by neutron diffraction. 1989 , 83, 1-7	66
2210	Structural analysis of a potassium hollandite $\text{K}_{1.35}\text{Ti}_8\text{O}_{16}$. 1989 , 83, 61-68	25
2209	A determination of the oxidation states and internal stresses in $\text{Ba}_2\text{YCu}_3\text{O}_x$, $x = 6 \frac{1}{2}$ using bond valences. 1989 , 82, 122-131	226
2208	$\text{M}_2\text{VOP}_2\text{O}_7$ (M = Rb, Cs): Two vanadyl pyrophosphates with a layer structure. 1989 , 82, 239-246	37
2207	Oxygen content, lattice constants and T_c of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$. 1989 , 159, 417-421	92
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2205	$\text{Na}(\text{V}_3\text{Nb}_x)\text{Nb}_6\text{O}_{14}$ Ein neues Oxoniobat mit $[\text{Nb}_6\text{O}_{12}]$ - und $[\text{M}_2\text{O}_9]$ -Clustern. 1989 , 568, 8-21	18
2204	$\text{NaNb}_{10}\text{O}_{18}$ Ein neues Oxoniobat mit $[\text{Nb}_6\text{O}_{12}]$ -Clustern. 1989 , 572, 7-17	18

2203	Verbindungen des Antimon(III) mit SbFnOm-Koordinationssphäre Kristallstrukturen von K(SbF2)HAsO4, NH4(SbF2)HAsO4 und SB3O2F5. 1989 , 578, 133-142	8
2202	Unusually simple crystal structure of an NdTeSrCuO superconductor. 1989 , 337, 347-348	160
2201	The characterization by analytical electron microscopy and single crystal X-ray diffraction of BaNb8O14, a metal oxide containing octahedral Nb6O12 clusters. 1989 , 154, 271-283	19
2200	A new route to charge distributions in ionic solids. 1989 , 156, 105-122	283
2199	Relations Between Structure and Tc In 123,124 and Thallium Oxide Superconductors. 1989 , 156, 283	2
2198	Geometrische Größen und einfache Modellrechnungen für BO4-Gruppen. 1990 , 191, 45-57	80
2197	Crystal Structure and Magnetic Properties of a Vanadium (IV) Pyrophosphate: Rb2V3P4O17. 1990 , 37, 141-149	16
2196	La2SrCu2O6: Neutron diffraction study. 1990 , 25, 199-204	79
2195	The structural chemistry of Li3Zn2MO6 (M=Sb, Bi) and related phases. 1990 , 25, 1175-1182	37
2194	Intralattice Strain Analysis in Superconducting Crystals and Superconducting Electrons. 1990 , 157, 357-377	12
2193	The occurrence of OH absorptions in phenakite – an IR spectroscopic study. 1990 , 41, 73-79	2
2192	Ein neuer Typ quaternärer Oxometallate: K3Na2[InO4]. 1990 , 121, 853-864	4
2191	Schwermetall-Komplexe. III. Darstellung, Eigenschaften und Kristallstrukturen von η - und θ -ToluolSnCl (AlCl4) sowie (MesitylenSnCl)(AlCl4) Zur Abhängigkeit der Aren-Metall-Bindungsstärke von der Arenbasizität 1990 , 585, 121-141	15
2190	Ein neues carbonatanaloges Oxocobaltat(II): RbNa7(CoO3)2. 1990 , 588, 7-18	14
2189	The thermal expansion of ScAlO3 – A silicate perovskite analogue. 1990 , 17, 89-96	33
2188	Structure and oxygen stoichiometry in Ln2 η Sr1+xCu2O6 η (Ln = La, Nd, Sm) phases. 1990 , 85, 88-99	36
2187	Crystal structure of Nd2Te4O11: An example of a rare earth tellurium oxide. 1990 , 85, 100-107	38
2186	Schwermetall-Komplexe, V. Das Schichtenpolymer {[C6H6SnCl][GaCl4]}2 \times , y. 1990 , 123, 1233-1237	7

2185	The relationship between bond-valence sums and T_c in cuprate superconductors. 1990 , 168, 85-90	136
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2183	Maximum transition temperatures and bond valence sums in copper oxide superconductors. 1990 , 169, 105-106	27
2182	Structural anomalies, oxygen ordering and superconductivity in oxygen deficient $\text{Ba}_2\text{YCu}_3\text{O}_x$. 1990 , 165, 419-433	984
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2180	New non-superconducting modulation-free $\text{BiPbSr}_2\text{MO}_y$ phases ($M = \text{Co}, \text{Mn}, \text{Fe}$) isotypic with the 10 K $\text{Bi}_2\text{Sr}_2\text{CuO}_y$ superconductor. 1990 , 167, 20-34	60
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2178	Correlation between the superconducting transition temperature and crystal structure of high- T_c cuprate compounds. 1990 , 166, 133-139	69
2177	Effects of oxygen removal in superconducting $\text{ErBa}_2\text{Cu}_3\text{O}_x$. 1990 , 169, 371-376	16
2176	Crystal structure, atomic ordering and charge localization in $\text{Pb}_2\text{Sr}_2\text{Y}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_{8+\delta}$ ($x=0, \delta=1.47$). 1990 , 169, 401-412	45
2175	$\text{K}_2\text{V}_3\text{P}_4\text{O}_{17}$: A vanadium(IV) pyrophosphate with a layer structure. 1990 , 87, 396-401	28
2174	Synthesis, crystal structure, and physical properties of Sr_2N . 1990 , 87, 134-140	61
2173	The crystal structure of the hydrogarnet $\text{Ba}_3\text{In}_2(\text{OH})_{12}$. 1990 , 87, 173-177	8
2172	The crystal structure of LiVP_2O_7 . 1990 , 86, 143-148	34
2171	The distorted perovskite : A novel example of 1:3 B-cation ordering. 1990 , 84, 16-22	18
2170	The synthesis and structural characterization of Sr_2CuO_4 , $x \sim 0.1$. 1990 , 88, 513-519	40
2169	LiCu_2O_2 and LiCu_3O_3 : New mixed valent copper oxides. 1990 , 88, 534-542	48
2168	Synthesis and crystal structure of SrD_2 and SrND and bond valence parameters for hydrides. 1990 , 88, 571-576	43

2167	A niobium phosphate bronze closely related to the tungsten phosphate bronzes family: $\text{Na}_4\text{Nb}_8\text{P}_6\text{O}_{35}$. 1990 , 89, 75-82	13
2166	Phase relations in the composition $(\text{Pb}_{1-x}\text{Cu}_x)\text{Sr}_2(\text{Ln}_{1-x}\text{Ca}_x)\text{Cu}_2\text{O}_7$ and the crystal structure of $\text{La}_{8-x}\text{Sr}_x\text{Cu}_8\text{O}_{20}$. 1990 , 84, 335-341	18
2165	Schwermetall-Komplexe. 1990 , 386, 177-186	25
2164	Synthesis and structural characterisation of a new perovskite phase, $\text{Ba}_4\text{CaCu}_3\text{O}_{8.61}$. 1990 , 73, 629-632	22
2163	A neutron diffraction study of quenched and annealed $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ ($x=0.4, 0.6, 0.8$). 1990 , 74, 591-594	16
2162	Bond-Valence-Sum Study on Possible Candidates for High-TcOxide Superconductors. 1990 , 29, L1987-L1990	11
2161	Hole density dependence of the critical temperature and coupling constant in the cuprate superconductors. 1990 , 249, 1143-6	123
2160	Cu-O bond and Tc changes in 123, 124 & 247-superconductors. 1990 , 164-165, 39-49	15
2159	Planes, chains and ribbons charge distribution in superconducting cuprates. 1990 , 164-165, 70-77	15
2158	Structural distortion in a 123-superconductor isomorph $[\text{Ba}_2\text{LaCu}_2\text{Og}](\text{NbO}_2)$. 1990 , 164-165, 878-883	
2157	Effects of coordination environment on the ZrE symmetric stretching frequency of fluorozirconate glasses, crystals, and melts. 1991 , 94, 3440-3450	25
2156	Single-crystal x-ray diffraction studies of BaNb_4O_6 and $\text{Ba}_2\text{Nb}_5\text{O}_9$. 1991 , 176, 123-132	22
2155	The synthesis of new phases related to YBCO by complete replacement of the chain copper sites. 1991 , 27, 1174-1177	24
2154	Topotactic lithium exchange in manganese(III)arsenate hydrate: a switchable Jahn-Teller distorted framework. 1991 , 604-606	10
2153	Oxoniobates with 13 and 15 electrons in $[\text{Nb}_6\text{O}_{12}]$ clusters: the structures of $\text{KNb}_8\text{O}_{14}$ and $\text{LaNb}_8\text{O}_{14}$. 1991 , 829-832	25
2152	Control of phase formation processes in glass-ceramics for medicine and technology. 1991 , 129, 152-162	39
2151	Glass formation and anomalous annealing effects in the mixed oxyanion system $\text{AgI}?\text{Ag}_2\text{SO}_4?\text{Ag}_2\text{WO}_4$. 1991 , 130, 58-66	12
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2147	Local structure and chemical shifts for six-coordinated silicon in high-pressure mantle phases. 1991 , 251, 294-8	52
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2145	Crystal structure and hydrogen bonding in Li/H-exchanged petalite, HAlSi ₄ O ₁₀ . 1991 , 197, 27-40	4
2144	Structural characterization of R ₂ BaNiO ₅ (R=Tm and Yb): polymorphism for R=Tm. 1991 , 78, 481-488	40
2143	Structure and superconducting properties of Tl _{1-x} Pb _y Y _{1-x} Ca _x Sr ₂ Cu ₂ O ₇ . 1991 , 179, 183-190	16
2142	Superconductivity at 105 K in Tl _{0.5} Pb _{0.5} CaSr _{2-x} La _x Cu ₂ O ₇ . 1991 , 177, 1-7	16
2141	On the concept of bond valence sums and its applicability in the analysis of high-T _c superconductors. 1991 , 181, 149-159	20
2140	A neutron diffraction study of the structure of Bi _{1.6} Pb _{0.4} Ca ₁ Sr ₂ Cu ₂ O _y . 1991 , 173, 267-273	15
2139	The structure of superconducting Pb ₂ Sr ₂ Y _{0.73} Ca _{0.27} Cu ₃ O ₈ by single-crystal neutron diffraction. 1991 , 175, 293-300	27
2138	Structural changes accompanying oxygen incorporation in (Pb _{0.65} Cu _{0.35} Sr ₂ (Y _{0.7} Ca _{0.3})Cu ₂ O _{7+δ}). 1991 , 175, 393-400	65
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2133	The structure of BaK _{0.03} Bi _{0.97} O ₃ by single-crystal X-ray diffraction. 1991 , 185-189, 697-698	3
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2131	The crystal structure of Sr ₃ Y ₂ Ge ₃ O ₁₂ . 1991 , 91, 173-175	10
2130	Hydrothermal synthesis and characterization of vanadyl(IV) hydrogenphosphate, K ₂ (VO) ₃ (HPO ₄) ₄ . 1991 , 91, 331-338	19
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2127	Hydrothermal synthesis, structure, and magnetic properties of a new polymorph of lithium vanadyl(IV) orthophosphate: LiVOPO ₄ . 1991 , 95, 352-359	80
2126	A neutron powder diffraction study of the phase Sr ₅ Pb ₃ CuO ₁₂ . 1991 , 95, 417-423	11
2125	Synthesis and crystal structure of Zn ₂ VO(PO ₄) ₂ , a vanadyl(IV) orthophosphate containing a dimer of edge-sharing ZnO ₅ square pyramids. 1991 , 90, 291-295	28
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2122	The crystal chemistry underlying ferroelectricity in Bi ₄ Ti ₃ O ₁₂ , Bi ₃ TiNbO ₉ , and Bi ₂ WO ₆ . 1991 , 94, 404-417	271
2121	A niobium phosphate Bronze closely related to the Ba ₃ Nb ₆ Si ₄ O ₂₆ structure: Na ₆ Nb ₈ P ₅ O ₃₅ . 1991 , 92, 51-56	6
2120	Ba ₂ Fe ₁₀ Sn ₂ CoO ₂₂ : Growth, crystal structure (120 K), and magnetic properties. 1991 , 92, 213-218	6
2119	Structure determination of a new perovskite phase in the BaKBiNaO system. 1991 , 93, 63-68	6
2118	A layered framework characterized by two independent tunnels: The single crystal structure of strontium vanadium (III) pyrophosphate, SrV ₂ (P ₂ O ₇) ₂ . 1991 , 93, 69-76	18
2117	BaNb ₁₀ SiO ₁₉ : A complex oxide with a variety of different niobium-niobium interactions. 1991 , 93, 350-357	9
2116	Synthesis and crystal structure of a new antimony(III) molybdate: LiSbMo ₂ O ₈ . 1991 , 93, 503-509	10
2115	Synthesis and characterization of KV ₃ P ₄ O ₁₆ : A new mixed-valence vanadium(III,IV,IV) disphosphate. 1991 , 92, 362-369	6
2114	Divalent metal halide double salts in equilibrium with their aqueous solutions: II. Factors determining their crystal structures. 1991 , 95, 51-63	8

2113	Incommensurately modulated $ZrO_2 \cdot xF_2$: 0.698 x 0.714. 1991 , 95, 111-125	12
2112	The synthesis and structure of the new phase $Ca_{0.85}CuO_2$. 1991 , 26, 499-506	45
2111	CHEMSHIFT: A FORTRAN program to calculate ^{29}Si mas NMR chemical shift of silicate minerals. 1991 , 17, 967-972	1
2110	Synthesis and characterization of square-planar platinum(II) and palladium(II) complexes with pyridine-2,6-dicarboxylic acid (H_2dipic). X-ray crystal structure of $trans-Na_2[Pt(dipic)_2] \cdot 6H_2O$ and $K[Pt(dipic)] \cdot 1/2H_2O$. 1991 , 185, 201-210	29
2109	Double-Diamond Inclusion Compounds of 2,6-Dimethyldeneadamantane-1,3,5,7-tetracarboxylic Acid. 1991 , 74, 825-877	80
2108	Bond length-Raman frequency correlations in borate crystals. 1991 , 22, 645-650	44
2107	Time-dependent charge transfer and the superconducting phase diagram for $YBa_2Cu_3O_{7-x}$. 1991 , 176, 547-550	37
2106	The crystal structure of $Ba(Bi_{0.977}K_{0.023})O_3$ by single-crystal X-ray diffraction. 1991 , 181, 325-330	2
2105	Synthesis and structure of the tetragonal $Ba_3YCu_2O_x$ phase. 1991 , 175, 172-178	57
2104	Ambient pressure synthesis and neutron structure analysis of $YBa_2Cu_4O_8$. 1991 , 182, 67-72	15
2103	Synthesis and structural analysis of the superconducting lead cuprates, $(Pb, Cu)(Sr, R)_2(R', Ce)_2Cu_2O_z$ (R, R' : rare-earth element). 1991 , 177, 337-344	26
2102	Synthesis and structural characterisation of $YSr_2Cu_3MxO_{7-y}$ ($M = Fe, Ti, Al, Co, Ga, Pb$; $0.5 y 1.0). 1991, 180, 299-306$	106
2101	Structure of the new Bi_2O_3 -lead cuprate superconductor. 1991 , 176, 57-63	7
2100	Schwermetall-Komplexe. 1991 , 406, 331-341	11
2099	The Electronic Structure of Crystalline Lead Oxides. I. Crystal Structure and LUC-CNDO Calculations. 1991 , 165, 401-410	15
2098	Crystal structure of 7-aqueous potassium-calcium (2:1) metavanadate. 1991 , 32, 150-153	
2097	Synthesis and crystal structure of monoclinic $Fe_2(SeO_4)_3$. 1991 , 122, 617-623	9
2096	Preparation and X-ray crystal structure of $[N(CH_3)_4]_4[H(SO_4)W_3O_7(O_2)_2]_2O$. 1991 , 10, 649-651	10

2095	Neue Vertreter des A ₂ A ₃ [MO ₄]-Typs: Rb ₂ Na ₃ [InO ₄], Cs ₂ Na ₃ [InO ₄] und Cs ₂ Na ₃ [TlO ₄] [1]. 1991 , 595, 95-114	5
2094	Synthese und Kristallstruktur von PbMo ₅ O ₈ ; ein reduziertes Oxomolybdat mit Mo ₁₀ O ₂₈ -Oktaederdoppeln. 1991 , 602, 49-63	25
2093	Über Cs ₂ Li ₂ [GeO ₄]. 1991 , 605, 43-50	2
2092	Structure Refinement of Bi ₂ Sr _{1.855} Ca _{1.145} Cu ₂ O ₈ from Neutron Data. 1991 , 8, 521-524	
2091	Relations between superconductivity and structure obtained by neutron diffraction. 1991 , 44, 38-50	3
2090	Shift of x-ray-photoelectron core levels in Bi ₂ Sr ₂ Ca _{1-x} Y _x Cu ₂ O _y : An explanation by bond-valence-sum calculation. 1991 , 43, 6249-6252	36
2089	Electronic structure of the BaV _{1-x} Ti _x S ₃ system as studied by photoelectron spectroscopy. 1991 , 44, 2306-2312	13
2088	Application of the bond valence method to Si/NiSi ₂ interfaces. 1991 , 6, 2371-2374	6
2087	Electronic Structure of Vanadium Oxide Clusters in Layered Perovskite Compounds Sr _{n+1} VnO _{3n+1} (n=1, 2, 3). 1992 , 61, 2399-2411	4
2086	Simulation of crystal structures by a combined distance-least-squares/valence-rule method. 1992 , 199, 49-66	11
2085	A neutron diffraction study of the system Y _{1-y} Ca _y Ba _{2-y} La _y Cu ₃ O _{7-x} . 1992 , 5, 205-209	38
2084	Influence of nonlinear charge transfer on the behaviour of the mobile hole concentration and T _c in the YBa ₂ Cu ₃ O _{7-y} system. 1992 , 5, 295-298	3
2083	On the geometry of Co(II)O ₆ polyhedra in inorganic compounds. 1992 , 202, 51-70	1
2082	Neutron-powder-diffraction study of the nuclear and magnetic structures of YBa ₂ Fe ₃ O ₈ at room temperature. 1992 , 45, 9611-9619	74
2081	Comment on "Shift of x-ray-photoelectron core levels in Bi ₂ Sr ₂ Ca _{1-x} Y _x Cu ₂ O _y : An explanation by bond-valence-sum calculation". 1992 , 45, 7513-7514	4
2080	Cation distribution and magnetization of BaFe _{12-x} CoxSn _x O ₁₉ (x=0.9,1.28) single crystals. 1992 , 72, 4608-4614	20
2079	Reply to "Comment on 'Shift of x-ray-photoelectron core-levels in Bi ₂ Sr ₂ Ca _{1-x} Y _x Cu ₂ O _y : An explanation by bond-valence-sum calculation' ". 1992 , 45, 7515-7516	2
2078	Neutron powder diffraction study of the mixed-valence vanadium pyrophosphate RbV ₃ P ₄ O ₁₇ . 1992 , 202, 227-236	1

2077	Transmission electron microscopy and high-resolution transmission electron microscopy studies of the early stages in the degradation of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ superconductor in water vapour. 1992 , 66, 491-506	52
2076	Correlation Between Nonlinear Charge Transfer and Behaviour of T_c in $\text{YBa}_2\text{Cu}_3\text{O}_{7-y}$ System. 1992 , 275, 693	
2075	Modelling the structures of La_2NiO_4 . 1992 , 199, 255-272	84
2074	The Bond Valence Method in Crystal Chemistry. 1992 , 163-175	5
2073	Crystal chemistry of inorganic nitrides. 1992 , 307-378	80
2072	Hydrothermal synthesis and structural characterization of a new vanadyl(IV) arsenate: $\text{BaVO}(\text{AsO}_4)(\text{H}_2\text{AsO}_4) \cdot \text{H}_2\text{O}$. 1992 , 2395-2397	6
2071	A LEED crystallographic analysis for the $c(2 \times 2)$ surface structure formed by the chemisorption of PH_3 on the $\text{Rh}(100)$ surface. 1992 , 268, L274-L278	5
2070	$\text{Rb}_4(\text{Si,Nb})_2\text{Nb}_3\text{O}_{70}$: a new phase containing isolated Nb_6O_{12} clusters. 1992 , 182, 343-353	5
2069	Structural environments of incompatible elements in silicate glass/melt systems: II. UIV, UV, and UVI. 1992 , 56, 4205-4220	112
2068	Structure of $\text{Be}(\text{IO}_3)_2 \cdot 2\text{HIO}_3 \cdot 6\text{H}_2\text{O}$. 1992 , 199, 177-184	4
2067	The crystal structure of russellite; a re-determination using neutron powder diffraction of synthetic Bi_2WO_6 . 1992 , 56, 399-409	104
2066	Neue Alkalioxoarsenate (V) Zur Kenntnis von $\text{Rb}_2\text{Li}[\text{AsO}_4]$ und $\text{Cs}_2\text{Li}[\text{AsO}_4]$. 1992 , 610, 103-111	3
2065	Zur Kristallstruktur von KGaO_2 und $\text{NaGaO}_2(\text{II})$ [1]. 1992 , 611, 73-80	17
2064	Neuartige Minerale mit Co^{3+} und Au^{3+} : $\text{Na}_4[\text{AuCoO}_5] = \text{Na}_8 [(\text{O}_2/2(\text{CoO})\text{O}_2\text{AuO}_2/2)_2]$. 1992 , 612, 89-96	4
2063	Zur Kenntnis Kationen-reicher Tantalate und Niobate über Na_5TaO_5 und Na_5NbO_5 . 1992 , 614, 38-46	4
2062	The synthesis and structure of $\text{La}_5\text{Pb}_3\text{Z}$, Z = N, O. Interstitial derivatives of a Cr_5B_3 -Type structure. 1992 , 616, 61-66	28
2061	Über die Verbindung $\text{Sr}_7\text{Mn}_4\text{O}_{15}$ und Beziehungen zur Struktur von Sr_2MnO_4 und $\beta\text{-SrMnO}_3$. 1992 , 617, 99-104	17
2060	Magnesiochloritoid: Compressibility and high pressure structure refinement. 1992 , 18, 483-490	15

2059	Electronic Structure of La ₂ O ₃ and LaF ₃ Crystals. 1992 , 170, 145-153	18
2058	Hydrothermal synthesis and structural characterization of a nickel(II) Vanadyl(IV) phosphate hydrate: Ni _{0.5} VOPO ₄ · 1.5H ₂ O. 1992 , 96, 436-441	15
2057	Ba ₂ PrPtO ₆ : A novel double perovskite. 1992 , 96, 132-140	14
2056	Synthesis and characterization of two layered aluminophosphates, (T) ₂ HA ₂ P ₃ O ₁₂ (T=2-BuNH ₃ ⁺) and (T)H ₂ Al ₂ P ₃ O ₁₂ (T=pyH ⁺). 1992 , 96, 199-210	82
2055	Crystal structures of the double molybdates Na ₄ Cu(MoO ₄) ₃ and Na ₂ Ni(MoO ₄) ₂ , new representatives of the alluaudite family. 1992 , 32, 885-893	13
2054	Crystal structure investigation of ternary molybdates Li ₃ Ba ₂ Ln ₃ (MoO ₄) ₃ (Ln=Gd, Tm). 1992 , 33, 443-447	22
2053	The crystal structure of Fe(SeO ₂ OH)(SeO ₄)·H ₂ O. 1992 , 123, 957-963	15
2052	The local coordination of copper in Sr ₂ CuO ₃ and Sr ₂ CuO _{4-x} ~ 0.1: A study by extended x-ray absorption fine structure. 1992 , 11, 2331-2333	5
2051	Crystal structure of the new metallic copper oxide La ₂ Sr ₆ Cu ₈ O _{18-δ} . 1992 , 83, 59-62	6
2050	Coordination and the bond valence sums in modulated superconductor Bi ₂ (Sr, Ca) ₃ Cu ₂ O _{8+δ} . 1992 , 81, 175-177	5
2049	Characterization of lead free 2212 phase of bismuth superconductor with T _c of 93 K. 1992 , 83, 905-913	6
2048	Neutron diffraction study of Bi ₂ Sr ₂ MnO _{6.5} . 1992 , 196, 68-72	9
2047	Synthesis and crystal structure of BaSrCuO _{2+x} CO ₃ . 1992 , 195, 335-344	35
2046	The crystal structure of Pb ₂ Sr ₂ YCu ₃ O _{8+δ} with δ =1.32, 1.46, 1.61, 1.71, by powder neutron diffraction. 1992 , 199, 365-374	16
2045	Structural properties of the nonsuperconductor (Ho, Ce) ₂ (Sr, Ba, La) ₂ Cu ₃ O _{8+z} . 1992 , 191, 205-210	1
2044	An infrared and Raman study of YBa ₂ Cu ₄ O ₈ and La substituted YBa ₂ Cu ₄ O ₈ . 1992 , 193, 33-42	13
2043	Oxidation state of copper in RE ₂ CuO ₄ compounds determined via XANES and bond valence methods. 1992 , 193, 212-216	1
2042	Structural changes and redistribution of holes by Sr-doping in YBa ₂ Cu ₄ O ₈ . 1992 , 191, 441-449	19

2041	Neutron diffraction and EM structure determination of the oxide $\text{PbBa}_{0.8}\text{Sr}_{1.2}\text{PrCeCu}_3\text{O}_9$, a perfectly ordered intergrowth of rock salt, oxygen-deficient perovskite, and fluorite-type structures. 1992 , 97, 19-28	4
2040	$\text{PbBaSrYCu}_3\text{O}_7$: A $\text{R}\bar{2}23$ structure, intergrowth of single rock salt layers and triple oxygen-deficient perovskite layers; X-ray, neutron diffraction, and electron microscopy study. 1992 , 97, 56-64	10
2039	A new mixed-valence vanadium phosphate with an intersecting tunnel structure: $\text{KV}_3\text{P}_4\text{O}_{17}$. 1992 , 97, 131-140	7
2038	Structure and oxygen stoichiometry in $\text{Sr}_3\text{Fe}_2\text{O}_7$, $0 \leq x \leq 1.0$. 1992 , 97, 179-185	119
2037	Dielectric constants and crystal structures of CaYAlO_4 , CaNdAlO_4 , and SrLaAlO_4 , and deviations from the oxide additivity rule. 1992 , 98, 90-98	130
2036	$\text{CaNb}_2\text{P}_2\text{O}_{11}$: A new calcium niobium (V) oxophosphate with a quasi-one-dimensional structure. 1992 , 98, 174-180	6
2035	Structural characterization of R_2BaCuO_5 (R = Y, Lu, Yb, Tm, Er, Ho, Dy, Gd, Eu and Sm) oxides by X-ray and neutron diffraction. 1992 , 100, 201-211	249
2034	Diffuse scattering in yttria-stabilized cubic zirconia. 1992 , 100, 71-89	44
2033	Comparison of the crystal structures of Bi_2MoO_6 and Bi_2WO_6 . 1992 , 101, 309-321	19
2032	Synthesis and structural characterization of $\text{Ba}_6\text{Nb}_{14}\text{Si}_4\text{O}_{47}$. The first member of the new barium niobium(IV/V) oxosilicate series $(\text{Ba}_3\text{Nb}_6\text{Si}_4\text{O}_{26})_n(\text{Ba}_3\text{Nb}_8\text{O}_{21})$, $n = 1$. 1992 , 101, 32-40	14
2031	Nature of hole states in cuprate superconductors. 1992 , 101, 173-185	15
2030	Synthesis and crystal structure of $\text{Ca}(\text{VO})_2(\text{PO}_4)_2$. 1992 , 99, 72-77	23
2029	Redetermination de la structure cristalline de $\text{K}_3\text{NbP}_2\text{O}_9$. 1992 , 99, 201-206	10
2028	The incommensurately modulated $(1-x)\text{Ta}_2\text{O}_5 \cdot x\text{WO}_3$, $0 \leq x \leq 0.267$ solid solution. 1992 , 99, 226-242	27
2027	$\text{BaV}_2\text{P}_2\text{O}_{10}$, a new tetravalent vanadium phosphate with a tunnel structure. 1992 , 99, 297-302	20
2026	The crystal structure of RESrGaCuO_5 (RE:La, Pr, Nd), a gallate-cuprate with strong structural similarities to superconducting cuprates. 1992 , 99, 376-387	21
2025	Scanning tunneling microscopy of Bi-O surfaces of $\text{Bi}_2\text{212}$ superconductors. 1992 , 42-44, 738-743	2
2024	Possible relationship between Cu-NQR frequencies and Cu valence states in CuO_2 -planes for high- T_c superconductors. 1992 , 3, 641-648	9

2023	Crystal structure of the metallic layered barium lead oxide. 1992 , 27, 1371-1377	8
2022	X-ray single crystal study of cobalt-tin containing hexagonal ferrites: $\text{BaFe}_{12-x}\text{Co}_x\text{Sn}_x\text{O}_{19}$ ($x \sim 1.28$) and $\text{BaFe}_4\text{ySn}_{2+y}\text{Co}_y\text{O}_{11}$ ($y \sim 1.32$). 1992 , 27, 417-424	9
2021	Structure of $\text{La}_2\text{Sr}_6\text{Cu}_8\text{O}_{16}$: An oxygen deficient perovskite containing twofold O-Cu-O linear bonds. 1992 , 27, 287-293	9
2020	The monoclinic perovskite $\text{La}_2\text{LiSbO}_6$. A rietveld refinement of neutron powder diffraction data. 1992 , 27, 647-654	27
2019	On the concept of Bond valence sums and its applicability in solid state chemistry and physics. 1992 , 260, 81-98	8
2018	The thermal behaviour of cellulose samples with different structure. 1992 , 38, 907-916	2
2017	A Remarkable Change in Framework Cation Positions upon Lithium Exchange: the Crystal Structure of $\text{LiMnPO}_4(\text{OH})$. 1992 , 31, 1090-1092	20
2016	Carosche Säure: Molekülstruktur und Assoziation im Festkörper bei ≈ 30 °C. 1992 , 104, 469-471	2
2015	Änderung von Kationengitterplätzen beim Austausch von Wasserstoff- gegen Lithium-Ionen: Kristallstruktur von $\text{LiMnPO}_4(\text{OH})$. 1992 , 104, 1056-1058	4
2014	Reduzierte Oxoniobate mit Metallclustern. 1992 , 104, 1463-1483	29
2013	Analysis of OIs core-level of p- and n-type high-Tc copper oxides: Evidence for a different nature of carrier doping. 1993 , 54, 1199-1202	1
2012	SmF_4 conformation caused by 5d-2p orbital interactions. 1993 , 54, 801-808	1
2011	Neutron-diffraction study of anisotropy of crystal-lattice expansion in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ under doping with Sr and radiation-induced disorder. 1993 , 218, 407-416	14
2010	Preparation and characterization of RE doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. 1993 , 208, 217-225	33
2009	Crystal structure and charge localization in $\text{Pb}_2\text{Sr}_2\text{Y}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_8$ for $x = 0.0-0.5$. 1993 , 218, 43-50	8
2008	Structure, superconductivity and XPS studies of the $\text{Bi}_{2.1}\text{Sr}_{1.93}\text{Ca}_{0.97-x}\text{Y}_x\text{Cu}_2\text{O}_{8+y}$ system. 1993 , 218, 117-129	24
2007	Critical hole density for superconductivity in Sr-containing phases related to $\text{YBa}_2\text{Cu}_3\text{O}_7$: Structure, superconductivity and cation substitutions in $\text{YSr}_2\text{Cu}_{2.8}\text{Cr}_{0.2}\text{O}_7$. 1993 , 207, 44-50	22
2006	Dopant solubility, phase stability and superconductivity in Sr-doped $\text{La}_{2-x}\text{Sr}_x\text{CaCu}_2\text{O}_6$. 1993 , 213, 455-470	16

2005	Structural and superconducting properties of $\text{Sm}_{1-x}\text{SrBaCu}_3\text{O}_{6+x}$ ($x=0, 0.05$ and 0.1). 1993 , 213, 88-94	10
2004	Chemical and structural study of tetragonal and orthorhombic $\text{Tl}_2\text{Ba}_2\text{CuO}_6$. 1993 , 204, 247-261	54
2003	Kristallstruktur und Pseudosymmetrie einer neuen Modifikation von Kaliumhexachloroniobat(V), KNbCl_6 . Anmerkungen zur kubischen Phase. 1993 , 619, 311-317	3
2002	Synthese und Struktur von $\text{Zr}_4\text{O}_3\text{F}_5$, einer Verbindung mit fluorit-verwandter Berstruktur vom Vernier-Typ. 1993 , 619, 367-373	13
2001	Zur Reaktion eines Bis(amino)germylens mit Germaniumaziden: Abfangreaktionen von instabilen Germa-Iminen. 1993 , 619, 641-651	9
2000	Ketten aus Ringen: $\text{K}_5\{\text{Li}[\text{Ge}_2\text{O}_7]\}$ [das erste [litho-Digermanat]] 1993 , 619, 811-818	4
1999	Darstellung und Aufbau von $\text{BaLi}[\text{BO}_3]$. 1993 , 619, 976-982	16
1998	Über die Kristallstruktur von $\text{In}_3\text{Mo}_{11}\text{O}_{17}$ sowie über physikalische Eigenschaften oligomerer Oxomolybdate. 1993 , 619, 1397-1408	28
1997	Über die Synthese von Tris(trimethylsilyl)silyl-kalium, -rubidium und -caesium und die Molekülstrukturen zweier Toluolsolvate. 1993 , 619, 1777-1789	52
1996	A series of Mixed-Valent Molybdenum Monophosphates, isotypic with leucophosphite represented by $\text{CsMo}_2\text{P}_2\text{O}_{10}$ and $\text{K}_{1.5}\text{Mo}_2\text{P}_2\text{O}_{10} \cdot \text{H}_2\text{O}$. 1993 , 619, 1841-1849	4
1995	Comparison of the crystal structures of $\text{Co}_2(\text{X}_2\text{O}_7) \cdot 2\text{H}_2\text{O}$, $\text{X}=\text{P}$ and As . 1993 , 124, 381-389	16
1994	Joessmithite, a plumbous amphibole revisited and comments on bond valences. 1993 , 48, 97-113	12
1993	A re-appraisal of the chemical formula of nealite, $\text{Pb}_4\text{Fe}(\text{AsO}_3)_2\text{Cl}_4 \cdot 2\text{H}_2\text{O}$, on the basis of a crystal structure determination. 1993 , 48, 193-200	3
1992	Zemannite-type Selenites: Crystal structures of $\text{K}_2[\text{CO}_2(\text{SeO}_3)_3] \cdot 2\text{H}_2\text{O}$ and $\text{K}_2[\text{Ni}_2(\text{SeO}_3)_3] \cdot 2\text{H}_2\text{O}$. 1993 , 48, 215-225	26
1991	Crystal structure of tetra-caesiumdihydrogendecavanadate trihydrate, $\text{Cs}_4\text{H}_2\text{V}_{10}\text{O}_{28} \cdot 3\text{H}_2\text{O}$. A layered crystal structure of decavanadate. 1993 , 12, 2745-2747	7
1990	Analysis of Local Cation Arrangement in Mullite Using ^{29}Si Magic-Angle Spinning Nuclear Magnetic Resonance Spectra. 1993 , 76, 2491-2496	16
1989	The structure of a calcium deficient hexagonal calcium iridium oxide compound. 1993 , 28, 1145-1151	18
1988	Crystal structure and luminescent properties of indium titanate. 1993 , 28, 1051-1060	24

1987	Synthesis and crystal structure of Ba[V ₂ (HPO ₄) ₄](H ₂ O). 1993 , 35, 205-207	9
1986	Synthesis and structure of Li ₈ (HPO ₄)(BePO ₄) ₆ ·4H ₂ O: A new zeolite LOS-type berylllophosphate molecular sieve. 1993 , 13, 242-248	20
1985	Carnotite analogues: synthesis, structure and properties of the Na _{1-x} K _x UO ₂ VO ₄ solid solution (0 ≤ x ≤ 1). 1993 , 3, 459-463	33
1984	Synthesis and crystal structure of F-type erbium sesquisulfide, F-ER ₂ S ₃ . 1993 , 201, 255-259	12
1983	Structural analysis of the charge transfer mechanism in the superconducting compounds Pb ₂ Sr ₂ Y _{1-x} Ca _x Cu ₃ O _{8+δ} . 1993 , 195, 169-172	3
1982	Bond valence sum, hole density and irreversibility line in Ca substituted YSrBaCu ₃ MyO _{6+z} (M=Al,Fe,Co). 1993 , 195, 323-326	3
1981	Atomic theories of phyllosilicates: Quantum chemistry, statistical mechanics, electrostatic theory, and crystal chemistry. 1993 , 31, 51-73	70
1980	Dielectric polarizabilities of ions in oxides and fluorides. 1993 , 73, 348-366	1820
1979	Molybdenum (V) Phosphates: Structural Relationships and Classification. 1993 , 13, 77-102	45
1978	The crystal structure of ferroelectric Bi ₂ WO ₆ at 961 K. 1993 , 150, 319-330	24
1977	A neutron powder diffraction study of (Nd _{1.5} Ce _{0.5})(Sr _{2-y} Nd _y)Cu ₂ MO _x (M=Ga,Ta). 1993 , 6, 514-519	6
1976	Local structure around the Co cations in YBa ₂ (Cu _{1-y} Co _y) ₃ O _{6+x} (0 ≤ x ≤ 1). 1993 , 47, 11398-11410	19
1975	Crystal and magnetic structures of RbMnF ₄ and KMnF ₄ investigated by neutron powder diffraction: the relationship between structure and magnetic properties in the Mn ³⁺ layered perovskites AMnF ₄ (A=Na, K, Rb, Cs). 1993 , 5, 4909-4928	13
1974	The Role of NMR Shifts in Structural Studies of Glasses, Ceramics and Minerals. 1993 , 421-434	4
1973	The structure of aperiodic, metamict (Ca, Th)ZrTi ₂ O ₇ (zirconolite): An EXAFS study of the Zr, Th, and U sites. 1993 , 8, 1983-1995	44
1972	A Tetranuclear Vanadium(III, III, IV, IV) Complex Formed by a Reaction of Bis(acetylacetonato)oxovanadium(IV) with a Thiolate Ligand. 1993 , 22, 945-948	12
1971	Crystal structure refinement of strontium tetraoxo-vanadate(V), Sr ₃ (VO ₄) ₂ . 1993 , 205, 271-276	31
1970	The Intercalation of Kaolinite by Alkali Halides in the Solid State: A Systematic Study of the Intercalates and their Derivatives. 1993 , 41, 73-86	16

- 1969 Application of NMR Spectroscopy to the Science and Technology of Glasses and Ceramics. **1994**, 28, 1-27 2
- 1968 Ion polarizability additivity rule and its application on HTSC substrate materials. **1994**, 155, 43-48 2
- 1967 Crystal structure and microstructure of Nd_{1.8}Sr_{0.2}NiO_{3.72}: A K₂NiF₄-type nickelate with monoclinic symmetry and ordered oxygen vacancies. **1994**, 49, 8591-8599 21
- 1966 Structure of sodium bis(pentadecatungstodiphosphato)diaquatetrazincate hydrate (16:1:50). **1994**, 24, 123-128 37
- 1965 Synthesis, characterization, and x-ray structural study of binary lithium manganese(II) molybdate. **1994**, 35, 871-878 5
- 1964 Bonding trends in pyrites and a reinvestigation of the structures of PdAs₂, PdSb₂, PtSb₂ and PtBi₂. **1994**, 620, 393-404 37
- 1963 Synthesis, crystal structure, magnetism and vibrational spectrum of Dipotassium Iron(II) Hexathiodiphosphate(IV), K₂Fe[P₂S₆]. **1994**, 620, 489-494 15
- 1962 Das erste Oxocobaltat des Typs A₂CoII₂O₂: K₂CoO₂ = K₄[OCoO₂CoO]. **1994**, 620, 586-591 13
- 1961 Darstellung und Kristallstruktur von K₆[Al₂O₆] und Rb₆[Al₂O₆]. **1994**, 620, 882-887 5
- 1960 Crystal Structure and Vibrational Spectrum of Dipotassium Manganese(II) Hexathiodiphosphate(IV), K₂Mn[P₂S₆]. **1994**, 620, 1081-1086 12
- 1959 Darstellung und Kristallstruktur von CsBO₂. **1994**, 620, 1867-1871 17
- 1958 Das erste Titanat mit "stuffed pyrogoms" RbNa₃Li₁₂[TiO₄]₄ = RbNa₃Li₈{Li[TiO₄]}₄. **1994**, 620, 2064-2069 2
- 1957 Chemical control of superconducting properties of (Y, Ca)(Sr, Ba)₂Cu_{2.7}Ga_{0.3}O₇⊂ **1994**, 7, 91-95 3
- 1956 Synthesis and crystal structural study of ternary molybdate NaMg₃In(MoO₄)₅. **1994**, 34, 784-788 4
- 1955 Crystal structural study of ternary molybdate LiRbBi₂(MoO₄)₄. **1994**, 34, 789-793 11
- 1954 Hydrothermal synthesis and crystal and molecular structure of a three-dimensional vanado-arsenate (NH₄)₃[(VO)(V₂O₃)(AsO₄)₂(HAsO₄)], exhibiting both {V⁵⁺O²⁺V} chains and isolated {V₂O₃} units. **1994**, 218, 59-63 5
- 1953 Crystal structures of Copper-Based High-T_c Superconductors. **1994**, 6, 905-921 15
- 1952 Correlation between the superconducting transition temperature and Madelung site potential difference in YBa₂Cu₃O_x. **1994**, 194-196, 2149-2150

1951	The valence of Pr IN $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ and the related compounds as determined by neutron powder diffraction. 1994 , 194-196, 2245-2246	1
1950	Evidence of interstitial oxygen in room temperature oxidized $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4 + y$ (0 $\leq y \leq 0.1$). 1994 , 234, 237-248	15
1949	Anisotropic oxygen diffusion in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ single crystals. 1994 , 224, 110-116	40
1948	Structural changes of $\text{PbBaSr}(\text{Y}_{0.8}\text{Ca}_{0.2})\text{Cu}_3\text{O}_{7+z}$ on oxygen introduction into block layers. 1994 , 231, 357-366	6
1947	Synthesis and structure of the perovskite oxy-sulphates $\text{Ba}_4\text{MCu}_{2+x}\text{O}_{6+y}(\text{SO}_4)_z$ (M=Ca, Y). 1994 , 223, 37-45	6
1946	The crystal structure of $(\text{Pb}_{0.5}\text{Cd}_{0.5})\text{Sr}_2(\text{Y}_{1-x}\text{Ca}_x)\text{Cu}_2\text{O}_7$. 1994 , 230, 389-396	12
1945	Electron- and powder neutron-diffraction studies of $\text{YBa}_2(\text{Cu}_{1-x}\text{Co}_x)\text{O}_{6+x}$ with 0.05. 1994 , 220, 143-159	46
1944	Bond ionicities of high- T_c oxides. 1994 , 220, 341-346	14
1943	Relation between structure and doping in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4+x}$ a neutron diffraction study on single crystals. 1994 , 223, 396-416	46
1942	XPS study on the preferential site occupations of Bi, Sr and Ca ions in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+d}$ superconductors prepared by LPE method. 1994 , 235-240, 687-688	4
1941	Structure and physical properties of $\text{Li}_{1-x}\text{NbO}_2$ single crystals. 1994 , 235-240, 745-746	10
1940	Evolution of structure and superconductivity of $\text{Li}_{1-x}\text{Ti}_2\text{O}_4$ single crystals without Ti cation disorder. 1994 , 235-240, 747-748	11
1939	The structure of new nickel(II) oxides: $\text{LnSr}_5\text{Ni}_3\text{O}_8$ (Ln = Y, Dy, Ho, Er and Tm). 1994 , 235-240, 751-752	8
1938	Charge-distributions in $\text{Y}_x\text{Pr}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_x$. 1994 , 235-240, 2161-2162	4
1937	Crystal structure of $\text{BiPbSr}_2\text{MnO}_6$ by powder neutron diffraction. 1994 , 92, 659-663	7
1936	New mixed-valent iron oxides with the 1212-type structure: $\text{Tl}_{1-x}\text{Pb}_x\text{Fe}_2\text{O}_8$. 1994 , 55, 795-802	12
1935	Susceptibility and NQR investigations on NaCuO_2 . 1994 , 55, 613-615	8
1934	Zur synthese von halogenmethandisulfonylfluoriden. 1994 , 69, 157-162	12

1933	Synthesis and crystal structure of copper oxybromides [M ₂ Cu ₃ O ₄ Br ₂ (M=Sr,Ba)]. 1994 , 29, 219-223	2
1932	Crystal structure of a new lanthanum-bismuth oxyhydroxide: La _{0.26} Bi _{0.74} OOH. 1994 , 29, 497-503	16
1931	Crystal structure and phase stability of the new metallic lanthanum strontium copper oxide. 1994 , 29, 629-636	3
1930	Crystal structure of low-temperature form of bismuth vanadium oxide determined by rietveld refinement of X-ray and neutron diffraction data (B - Bi ₄ V ₂ O ₁₁). 1994 , 29, 175-184	69
1929	Crystal growth, characterization and structure refinement of neodymium ³⁺ doped gehlenite, a new laser material [Ca ₂ Al ₂ SiO ₇]. 1994 , 29, 725-734	25
1928	Synthesis of [Cp*TiMo ₅ O ₁₈] ³⁻ Its unexpectedly high basicity and unexpected protonation site. 1994 , 13, 1091-1093	11
1927	Synthesis and superconducting properties of the strontium copper oxy-fluoride Sr ₂ CuO ₂ F ₂ +x. 1994 , 369, 382-384	294
1926	Structural study of barium titanate between 150 and 425 K. 1994 , 48, 217-236	20
1925	Some stereochemical criteria concerning the structural stability of A ₂ BX ₄ compounds of type K ₂ SO ₄ . 1994 , 49, 193-229	29
1924	Structure determination of Cs _{0.864} Rb _{1.136} SeO ₄ . 1994 , 51, 239-247	
1923	Direct Determination of Grain Boundary Atomic Structure in SrTiO ₃ . 1994 , 266, 102-4	168
1922	Room temperature synthesis and structural characterization of monoclinic LiCuO ₂ by X-ray and neutron diffraction. 1994 , 203, 203-207	25
1921	Photochemistry of polyoxovanadates. Part 1. Formation of the anion-encapsulated polyoxovanadate [V ₁₅ O ₃₆ (CO ₃) ₇] and electron-spin polarization of B-hydroxyalkyl radicals in the presence of alcohols. 1994 , 2599-2608	36
1920	Structural study of WO ₃ ?TeO ₂ glasses. 1994 , 176, 105-115	99
1919	Tensor LEED analysis of the Pd(100)(B B)R27°D surface structure. 1994 , 318, 129-138	40
1918	Bond length inequalities and relaxations at the Rh(110)-c(2 B)-S surface structure studied by LEED crystallography. 1994 , 304, L481-L487	12
1917	Synthesis, high resolution electron microscopy and crystal structure refinement of the cluster compound Ba ₃ Nb ₁₆ O ₂₃ by X-ray and neutron diffraction. 1994 , 203, 209-216	4
1916	YSr ₅ Ni ₃ O ₈ is a new nickel(I) oxide with a defect Sr ₂ CuO ₃ structure. 1994 , 1185-1186	6

1915	Hydrothermal synthesis and structural characterization of the molybdenum(VI) arsenate $(\text{C}_5\text{H}_5\text{NH})_2(\text{Mo}_2\text{O}_5)\cdot(\text{HAsO}_4)_2\cdot 2\text{H}_2\text{O}$. 1994 , 1681-1684	20
1914	Neutron diffraction study of the doubled perovskite phases $\text{Ba}_2\text{M}_2\text{CuxO}_4\cdot n$ (M = In, Sc). 1994 , 4, 921-929	5
1913	Investigations of the vanadium-organophosphonate system: preparation and structural characterization of a mixed-valence V ^V /V ^{IV} cluster encapsulating chloride anions, $(\text{Bu}_4\text{N})_2[(\text{V}_8\text{O}_{16})\{\text{V}_4\text{O}_4(\text{H}_2\text{O})_{12}\}(\text{PhPO}_3)_8\text{Cl}_2]\cdot 2\text{Et}_2\text{O}\cdot 2\text{MeOH}\cdot 4\text{H}_2\text{O}$. 1994 , 1635-1636	22
1912	X-ray spectroscopy of the iron site in soybean lipoxygenase-1: changes in coordination upon oxidation or addition of methanol. 1994 , 33, 15023-35	120
1911	LMTO-ASA band structure calculations of BaVS_3 , BaTiS_3 and their solid solutions. 1994 , 50, 90-92	1
1910	Structural study of potassium niobate between 200 and 823 K. 1994 , 52, 261-275	10
1909	Atomic Scale Structure and Chemistry of Interfaces by Z-Contrast Imaging and Electron Energy Loss Spectroscopy in the Stem. 1994 , 341, 139	2
1908	Direct Determination of Grain Boundary Atomic Structure in SrTiO_3 . 1994 , 357, 115	2
1907	A Layer Structure Encapsulating Interlayer K^+ Cations: Hydrothermal Synthesis and Crystal Structure of Vanadyl(IV) Arsenate $\text{K}_2[(\text{VO})_2(\text{AsO}_4)(\text{HAsO}_4)(\text{H}_2\text{AsO}_4)(\text{H}_2\text{O})]\cdot 0.5\text{H}_2\text{O}$. 1994 , 41, 729-733	1
1906	X-Ray Structural Characterization of the Protonation Sites in the Dihydrogenhexaniobate Anion. 1994 , 67, 3249-3253	46
1905	Bond-Length Bond-Valence Relationships in Inorganic Solids. 1994 , 405-429	11
1904	Refinement of the crystal structure of hutchinsonite, $\text{TlPbAs}_5\text{S}_9$. 1994 , 209, 475-478	7
1903	Synthesis and Crystal Structures of E ^{II} Type Octamolybdates Coordinated by Chiral Lysines. 1995 , 68, 3055-3063	128
1902	Structure refinement of $\text{Na}_2(\text{Mg}, \text{Fe})_6[(\text{Ge}, \text{Fe})_6\text{O}_{18}]\text{O}_2$, a new aenigmatite-analog. 1995 , 210, 19-23	0
1901	On the structure of $\text{Na}_5\text{Mn}_3\text{F}_{14}$. 1995 , 210, 489-493	5
1900	Das Nonaaquabismut (III)-Kation. 1995 , 107, 2572-2573	6
1899	$\text{In}_3\text{Ti}_2\text{Br}_9$: Jahn-Teller Unstable Indium(I) and Antiferromagnetically Coupled Titanium(III) Atoms. 1995 , 1, 118-123	12
1898	Hydrothermal synthesis and structural characterization of reduced vanadium phosphates, $\text{Rb}[\text{VIII}(\text{HPO}_4)_2]$, $\text{Rb}[\text{VIII}(\text{HPO}_4)_2]$ and $\text{NH}_4[\text{VIII}(\text{HPO}_4)_2]$, octahedral-tetrahedral framework solids. 1995 , 232, 83-89	24

- 1897 Studies on the antitumor antimony(III) aminopolycarboxylic acid chelates. Crystal structures of $M[Sb(pdta)] \cdot H_2O$ ($M = Na^+, NH_4^+$; pdta = propylenediaminetetraacetic acid). **1995**, 232, 161-165 14
- 1896 Crystal structure of the double-hg-layer copper oxide superconductor $(Hg, Pr)_2Ba_2(Y, Ca)Cu_2O_8$ as a function of doping. **1995**, 56, 1471-1478 17
- 1895 LEED crystallographic determination for the restructured surface formed by phosphorus bonded at Cu(110). **1995**, 198, 235-243 3
- 1894 Spectrochemical and structural studies on a roman sample of Egyptian blue. **1995**, 51, 437-446 52
- 1893 Influence of simultaneous substitution of Ca and Co in a $YBa_2Cu_3O_7$ superconductor: Neutron structural studies. **1995**, 213-214, 90-93 1
- 1892 Van Hove exciton-cageons and high- T_c superconductivity XB. Polaronic coupling in the doped material. **1995**, 255, 211-238 8
- 1891 Crystal structure investigation of ternary molybdate $K_5(Mn_{0.5}Zr_{1.5})(MoO_4)_6$. **1995**, 36, 813-817 1
- 1890 Sodium hydrogen dipicolinate dipicolinic acid trihydrate: Synthesis, structure, and valence bond sums. **1995**, 25, 851-855 13
- 1889 Synthesis, composition, and structure of superconducting $(Y, Ca)Sr, Ba)_2Cu_2GaO_7$ **1995**, 8, 21-25 7
- 1888 Synthesis and neutron structural studies of (Pb/Cu)-1201 superconductor. **1995**, 8, 163-167 1
- 1887 Neutron structural investigations of $Y_{1-x}Ca_xBa_2Cu_3O_{7-x}$ **1995**, 8, 271-277 5
- 1886 The synthetic microporous tellurites $Na_2[Me_2(TeO_3)_3] \cdot 3H_2O$ ($Me=Zn, Co$): Crystal structure, Dehydration, and ion exchange properties. **1995**, 126, 417-430 23
- 1885 Zwei neue Metatitanate mit fñffach koordiniertem Titan: $CsNaTiO_3$ und $RbNaTiO_3$. **1995**, 621, 1447-1453 8
- 1884 Polysulfonylamine. LXIX. Neuartige Pniktogendisulfonylamide: Synthese von Bismutdimesylamiden und Kristallstrukturen des zwñfgliedrigen Cyclodimers $[Ph_2BiN(SO_2Me)_2]_2$ und des ionischen Komplexes $[H(OAsPh_3)_2]_2(MeSO_2)_2N$. **1995**, 621, 1746-1754 15
- 1883 XAS studies of metal centres in proteins. **1995**, 208-209, 714-716 5
- 1882 Suppression of superconductivity and the overdoped region in $HgBa_2CuO_{4+x}$ **1995**, 243, 1-9 48
- 1881 Structural properties of the copper oxide carbonate $Ba_4CaCu_2O_6 + xCO_3$ (x=0). **1995**, 247, 183-188 13
- 1880 X-ray single crystal structure analysis of the 1245 type superconductor $Hg_{0.5}Pb_{0.5}Ba_2Ca_4Cu_5O_{12+x}$ **1995**, 254, 7-14 14

- 1879 Pr[?]O chemical bonding effect and Pr valence state in PrBa₂Cu₃O₇: A comprehensive structural-correlation study. **1995**, 56, 981-988 16
- 1878 A rietveld refinement of NaCl-type Ca₅Y₄S₁₁. **1995**, 119, 45-49 1
- 1877 Lu₃O₂F₅: a new highly densified member (n = 3) of the MnX_{2n+1} series of fluorite-related vernier phases. **1995**, 119, 125-130 19
- 1876 The crystal structure of lanthanum manganate(iii), LaMnO₃, at room temperature and at 1273 K under N₂. **1995**, 119, 191-196 164
- 1875 Hole localization in high-temperature superconductors. **1995**, 95, 613-617 8
- 1874 Pair-breaking by Ba-site magnetic dopants in superconducting NdBa₂Cu₃O_x. **1995**, 96, 313-316 14
- 1873 Structural evolution of the Aurivillius framework in the solid solutions Bi₂WO₆-Sb₂WO₆. **1995**, 30, 871-882 39
- 1872 A new 1-dimensional molybdenum phosphate: Synthesis and structure of [(CH₃)₄N][Mn₂Mo₆O₁₂(OH)₄(PO₄)(HPO₄)(H₂PO₄)₂] · 4H₂O. **1995**, 30, 1005-1013 15
- 1871 Structure determination of CaMgGeO₄. **1995**, 30, 1489-1493 6
- 1870 Topological aspects of chemical bonding and structure explored through the method of moments. **1995**, 336, 115-136 2
- 1869 Crystal structure of low temperature form of Bi₆V₃O₁₆ determined by Rietveld refinement of synchrotron radiation powder diffraction data: A new mixed valence Aurivillius phase. **1995**, 97, 119-122 24
- 1868 Cations in glasses under ambient and non-ambient conditions. **1995**, 97, 155-161 20
- 1867 Hydrogen bonding in borcarite, an unusual borate-carbonate mineral. **1995**, 59, 297-304 12
- 1866 Al₂GeO₄(OH)₂: Rietveld refinement and stereochemical discussion. **1995**, 210, 656-661 1
- 1865 Electronic structure of the misfit-layer compound (SnS)_{1.17}NbS₂ deduced from band-structure calculations and photoelectron spectra. **1995**, 52, 2336-2347 50
- 1864 Oxidation state of mercury in HgBa₂(Ca_{0.86}Sr_{0.14})₂Cu₃O_{8+δ} studied by x-ray photoelectron spectroscopy. **1995**, 52, R9879-R9881 4
- 1863 Superelectrons from Shrunken Atoms in the Charge-Transfer Organic Compounds. **1995**, 258, 299-314 1
- 1862 Oxygen dependence of the crystal structure of HgBa₂CuO_{4+δ} and its relation to superconductivity. **1995**, 52, 462-470 80

1861	Redox mechanism for the generation of holes in $TlBa_{1-x}Sr_xLaCuO_{5+\delta}$: A neutron-diffraction study. 1995 , 52, 4427-4431	5
1860	Core-level binding energies of Ba, Sr, Ca, and Y for high- T_c superconductors and related oxides: A measure of hole concentration. 1995 , 51, 9352-9355	15
1859	Cu 2p core-level XPS of $Nd_{1.85}Ce_{0.15}CuO_y$: An analysis from bond valence sums and Madelung potentials. 1995 , 51, 3791-3796	4
1858	Correlated local distortions of the TlO layers in $Tl_2Ba_2CuO_y$: An x-ray-absorption study. 1995 , 51, 8564-8581	14
1857	Preferential occupancy and composition-driven c-axis variation in $(Pb_{0.5}Cd_{0.5})(Sr,Y,Ca)_3Cu_2O_{7-\delta}$. 1995 , 51, 9261-9270	1
1856	First-principles calculation of the transition temperature T_c for $HgBa_2CuO_{4+\delta}$ high-temperature superconductors via dipolon theory. 1995 , 52, 15627-15635	3
1855	Structural, Mössbauer, and Raman studies of the $(Y,Ce)_2Sr_2Cu_2FeO_{8+y}$ compound. 1995 , 52, 10610-10620	7
1854	Neutron diffraction study of anisotropy of crystal lattice compression in high- T_c superconductors under pressure. 1995 , 14, 139-144	4
1853	A note on ferroelectric low-temperature phase transitions ($P2_1/m \rightarrow P2_1$) in Sr_2GeS_4 compounds. 1995 , 53, 61-68	3
1852	Characterization of a new Pb-based 1222 cuprate $Pb(Sr_{1.2}La_{0.8})Gd_2Cu_2O_{9.06}$. 1995 , 7, L405-L410	
1851	Crystal structure and superconductivity of new Pb-based 1222 cuprate $(Pb_{0.5}Cd_{0.5})(Sr_{0.9}Eu_{0.1})_2(Eu_{0.7}Ce_{0.3})_2Cu_2O_{9+\delta}$. 1995 , 7, 5975-5982	9
1850	$CsFe_3(PO_4)_3(OH)_2$: a mixed-valence iron phosphate containing trimeric units of iron-oxygen polyhedra. 1995 , 571-574	7
1849	New layered cuprates $CaBa_2R_2Cu_2Ti_2O_{12}$ and $(R,Ce)_2Ba_2(R,Ca)_2Cu_2Ti_2O_{14}$ ($R = Sm, Gd$). 1995 , 226, 102-106	2
1848	Structural and electrochemical properties of the proton / ϵ - MnO_2 system. 1995 , 23, 1-130	503
1847	Structural study of MoO_3 ? TeO_2 glasses. 1995 , 185, 135-144	80
1846	Raman spectra of binary tellurite glasses containing tri- or tetra-valent cations. 1995 , 191, 115-123	89
1845	Microstructure and modification in borate and tellurite glasses. 1995 , 192-193, 157-160	8
1844	Role of Ba-site Pr in quenching superconductivity of $Y_{1-y}Pr_yBa_2Cu_3O_x$ and related materials. 1995 , 51, 11830-11837	104

1843	Incommensurate crystal structures. 1995 , 4, 79-202	179
1842	Synthesis and structure of a novel microporous gallophosphate, $\text{Na}_3\text{Ga}_5(\text{PO}_4)_4\text{O}_2(\text{OH})_2 \cdot 2\text{H}_2\text{O}$. 1995 , 843-844	25
1841	Preparation and crystal structure investigation of $\text{Sr}_2\text{Co}(\text{SeO}_3)_3$. 1995 , 217, 209-212	5
1840	Chemistry of Thiobenzoates: Syntheses, Structures, and NMR Spectra of Salts of $[\text{M}(\text{SOCPh})(3)](-)$ (M = Zn, Cd, Hg). 1996 , 35, 3089-3093	34
1839	Synthesis and Characterization of Novel One-Dimensional Phases from Supercritical Ammonia: $\text{Cs}_3\text{Ag}_2\text{Sb}_3\text{S}_8$, $\text{Cs}_2\text{AgSbS}_4$, and $\text{Cs}_2\text{AgAsS}_4$. 1996 , 8, 721-726	71
1838	Crystal Structure and Spectroscopic Characterization of $\text{K}_6(\text{VO})_4(\text{SO}_4)_8$ Containing Mixed-Valent Vanadium(IV)-Vanadium(V). 1996 , 35, 480-484	20
1837	$\text{Rb}_2[\text{Ga}_4(\text{HPO}_4)(\text{PO}_4)_4] \cdot 0.5\text{H}_2\text{O}$: A New Gallium Phosphate Containing Four-, Five, and Six-Coordinated Gallium Atoms. 1996 , 35, 7440-7442	20
1836	$\text{Na}_4\text{Mn}_{0.5}\text{P}_{0.5}\text{O}_5$: Synthesis of a Novel Mixed-Metal Manganese(VII)/Phosphorus(V) Oxide via Hydroxide Flux. 1996 , 35, 6358-6361	7
1835	Four-Atom-Linked Capped Porphyrins: Synthesis and Characterization. 1996 , 61, 3298-3303	27
1834	A Novel Optical Complex between an Organic Substrate and a Polyoxometalate. Crystal and Molecular Structure of $\alpha\text{-H}_4\text{SiW}_{12}\text{O}_{40} \cdot 4\text{HMPA} \cdot 2\text{H}_2\text{O}$ (HMPA = Hexamethylphosphoramide). 1996 , 35, 4211-4217	118
1833	$\text{BaZn}_2(\text{HAS}_2\text{O}_7)\text{AsO}_4$: A Novel Barium Zinc Arsenate Containing Zn_4O_{16} Clusters and Hydrogen Diarsenate Groups. 1996 , 35, 4708-4712	11
1832	$\text{K}(\text{VO})(\text{SeO}_3)_2 \cdot \text{H}_2\text{O}$: A New One-Dimensional Compound with Strong Hydrogen Bonding. 1996 , 35, 7394-7398	15
1831	X-ray absorption study of the coordination of titanium in sodium-titanium-silicate glasses. 1996 , 201, 81-94	25
1830	Coordination of Ti in crystalline and glassy fresnoites: A high-resolution XANES spectroscopy study at the Ti K-edge. 1996 , 204, 53-64	58
1829	X-ray absorption studies of metal complexes in aqueous solution at elevated temperatures. 1996 , 127, 339-350	36
1828	Coordination chemistry of Ti(IV) in silicate glasses and melts: I. XAFS study of titanium coordination in oxide model compounds. 1996 , 60, 3023-3038	254
1827	Coordination chemistry of Ti(IV) in silicate glasses and melts: II. Glasses at ambient temperature and pressure. 1996 , 60, 3039-3053	135
1826	An Organically Templated Layered Vanadium Oxide: Hydrothermal Synthesis, Single-Crystal Structure, and Magnetic Properties of $(\text{H}_3\text{N}(\text{CH}_2)_3\text{NH}_3)[\text{V}_4\text{O}_{10}]$. 1996 , 8, 595-597	88

- 1825 AVSeO(5) (A = Rb, Cs) and AV(3)Se(2)O(12) (A = K, Rb, Cs, NH(4)): Hydrothermal Synthesis in the V(2)O(5)-SeO(2)-AOH System and Crystal Structure of CsVSeO(5). **1996**, 35, 1161-1167 41
- 1824 Hydrothermal synthesis, structure refinement and properties of the new vanadium(III) diphosphate H3OVP2O7. **1996**, 245, 47-53 6
- 1823 Composition Space of the (CuO, (1)/(2)Nb(2)O(5))/(HF)(x)().pyridine/H(2)O System. Structure and Synthesis of [pyH(+)](2)[CuNb(2)(py)(4)O(2)F(10)](2-) and CuNb(py)(4)OF(5). **1996**, 35, 1367-1371 82
- 1822 ¹³³Cs Chemical Shielding Anisotropies and Quadrupole Couplings from Magic-Angle Spinning NMR of Cesium Salts **1996**, 100, 14872-14881 59
- 1821 The crystal structure of a blatterite mineral, Mg_{1.33}Mn_{1.44}Fe_{0.05}Sb_{0.17}O₂BO₃, a combined single crystal X-ray and HREM study. **1996**, 211, 1 1
- 1820 On the atomic environment and the mode of action of the catalytic centre in an intercalated oxomolybdenum complex [MoO₂(O₂CC(S)Ph₂)₂]₂ for oxygen-transfer reactions. **1996**, 1613-1614 21
- 1819 [HN(C₂H₄)₃NH][V₆O₁₄]·4H₂O: a mixed-valence layered vanadium oxide with interlamellar organic cations. **1996**, 1055-1056 38
- 1818 X-ray spectroscopy of nitrile hydratase at pH 7 and 9. **1996**, 35, 10078-88 65
- 1817 A neutron diffraction study of structural distortions in the Ruddlesden-Popper phase Na₂La₂Ti₃O₁₀. **1996**, 6, 1823-1825 20
- 1816 Structural chemistry of SrMn_{1-x}FexO₃ (x=0.3). **1996**, 6, 1187-1190 15
- 1815 On the correlations between Sr:Ca substitution and structural modulation in the Bi-2212 phase. **1996**, 46, 1423-1424 1
- 1814 Bond Valence Sums for charge neutrally doped 123 compounds. **1996**, 46, 947-948 1
- 1813 Magnetic properties, X-ray and neutron diffraction analysis of new M-hexaferrites BaFe₁₂₋₂Ir Me O₁₉ (Me = Co, Zn). **1996**, 157-158, 465-466 3
- 1812 New elaboration technique, structure and physical properties of infinite-layer Sr_{1-x}Ln_xCuO₂ (Ln = Nd, Pr). **1996**, 258, 159-168 14
- 1811 Metal-insulator transition and spin gap in the ladder system Sr_{14-x}AxCu₂₄O₄₁ (A = Ba and Ca). **1996**, 258, 284-292 119
- 1810 Pr substitution in Y₂Ba₄Cu_{6+n}O_{14+n} (n = 0, 1, 2) influence on structure and T_c. **1996**, 259, 97-108 3
- 1809 Structural study, resistivity, magnetization and Raman measurements for the HTc superconducting compounds SmBa_{2-x}Sr_xCu₃O_{6+y} (x = 0.0, 0.25, 0.5, 0.75, 1.0 and 1.25). **1996**, 267, 211-224 16
- 1808 Synthese, Struktur und Bindungsverhältnisse eines gemischtvalenten Tetraphosphats. **1996**, 108, 1616-1618 12

- 1807 Ein diskreter, sechskerniger Urankomplex mit Diphenylphosphato- und Sauerstoffliganden. **1996**, 108, 1676-1677 13
- 1806 Oxidation state of copper and superconductivity in the $\text{Hg}_2\text{Ba}_2\text{Ca}_2\text{Cu}_2\text{O}$ system. **1996**, 258, 1-5 13
- 1805 Synthesis and characterization of a VO_3^+ complex of a pentadentate amine alcohol ligand: towards hydrolytically stable ligands forming model complexes for vanadium-dependent haloperoxidases. **1996**, 244, 221-229 27
- 1804 Crystal structure and band structure calculations of $\text{Pb}_{13}\text{TaS}_2$ and $\text{Sn}_{13}\text{NbS}_2$. **1996**, 226, 259-267 11
- 1803 Structure of $\text{YSr}_2\text{Cu}_3\text{M}_2\text{O}_{7+x}$ (M=Mo, W and Re) from single-crystal X-ray and powder-neutron diffraction substituent site preference and oxygen defect structure. **1996**, 257, 125-136 23
- 1802 Ion size effects on γ and interplanar coupling in $\text{R}\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ **1996**, 258, 41-46 75
- 1801 Oxygen stability and thermal decomposition of superconducting $(\text{Cu,C})\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_z$ samples. **1996**, 266, 345-352 13
- 1800 Synthesis, crystal structures and superconductivity of new copper oxyfluorides, $\text{Sr}_2\text{RCu}_2\text{O}_5\text{F}$ (R = Y,La,Nd,Sm,Gd,Dy,Er and Yb). **1996**, 269, 5-14 13
- 1799 Neutron-diffraction studies and interatomic distances in Ca_xPr doped $\text{NdBa}_2\text{Cu}_3\text{O}_{7-x}$ **1996**, 269, 231-241 24
- 1798 Temperature effects on the size of anatase crystallites in Mo_xTiO_2 and W_xTiO_2 powders. **1996**, 31, 25-28 39
- 1797 High-valent manganese in polyoxotungstates IV . Oxidation of the tetramanganese heteropolyanion $[\text{Mn}_4(\text{H}_2\text{O})_2(\text{PW}_9\text{O}_{34})_2]_{10-}$ **1996**, 15, 917-922 65
- 1796 Synthesis, crystal structure and equilibrium studies on the bidentate amine adducts of bis(S-methyl- β -N-(4-methoxyphenyl) methylenedithiocarbazide)nickel(II) complex. **1996**, 15, 4415-4420 2
- 1795 Synthesis, structure and magnetic properties of a polymeric trinuclear mixed-valence manganese malonate complex. **1996**, 15, 4303-4305 17
- 1794 Charge-transfer in $\text{YBa}_2\text{Cu}_3\text{O}_x$. **1996**, 9, 563-570 5
- 1793 Pair breaking as a probe of d-wave high-temperature superconductivity. **1996**, 9, 205-210 1
- 1792 The crystal structure of $\text{PbFe}[\text{AsO}_4][\text{AsO}_3(\text{OH})]$. **1996**, 127, 127-133 3
- 1791 Coordination chemistry of polyoxomolybdates: The versatile behavior of amidoximes. **1996**, 7, 593-627 17
- 1790 Darstellung und Struktur von $\text{Th}_2\text{Ta}_6\text{O}_{19}$, dem ersten Beispiel einer β -Nahnberg-Struktur mit $\text{M} = \text{M}^{4+}$ (M = Th^{4+}); mit einer Anmerkung zu $\text{LaNb}_7\text{O}_{19}$. **1996**, 622, 67-75 9

- 1789 Anionische Antimon(III)-Fluorokomplexe mit protonierten Azakronenethern als Gegenionen. Strukturen und Mößbauerspektren von $[H_2cyclam]_2[Sb_4F_{16}] \cdot 2 H_2O$, $[H_4cyclam][Sb_2F_{10}] \cdot 2 HF$ und $[H_4(tetramethyl)cyclam]_2[Sb_4F_{15}][HF_2][F]_4$ (cyclam = 1,4,7,11-Tetraazacyclotetradecan). **1996**, 622, 105-111 14
- 1788 Hydrothermal Synthesis and Crystal Structure of $CaIn_2(PO_4)_2(HPO_4)$: An octahedral-tetrahedral framework ternary calcium indium(III) phosphate. **1996**, 622, 513-517 10
- 1787 Unerwartete Strukturverwandtschaft: Das neue Orthotitanat $Rb_3Na[TiO_4]$. **1996**, 622, 603-610 3
- 1786 From $CoCl_2$ to Co Coordination: Tetraisopropylcyclopentadienyl dichlorides $[(C_5HR_4)ECl_2]$ (R = CHMe₂) of phosphorus, arsenic, antimony, and bismuth. **1996**, 622, 923-930 18
- 1785 Was heißt eigentlich Festkörper???. Neue molekulare Aspekte am Beispiel $Rb_2[TiO_3]$ [1], [2]. **1996**, 622, 1019-1026 11
- 1784 Preparation, crystal structure, and magnetic properties of $\beta-Li_3TiF_6 = LiLi(TiF_6)(TiF_6)_2$ double fluoride?. **1996**, 622, 1329-1334 14
- 1783 Das neue Orthotitanat $CsNa_3[TiO_4]$. **1996**, 622, 1715-1720 4
- 1782 Hydrothermal Syntheses and Structural Characterization of Layered Vanadium Oxides Incorporating Organic Cations: α -, β -(H(3)N(CH₂)(₂)NH(₃))[V(4)O(10)] and α -, β -(H(2)N(C(2)H(4))(₂)NH(₂))[V(4)O(10)]. **1996**, 35, 4950-4956 77
- 1781 The atomic structure of asymmetric [001] tilt boundaries in $SrTiO_3$. **1996**, 73, 625-641 58
- 1780 Oxygen content and superconductivity in $Y_{0.8}Ca_{0.2}Ba_2Cu_3O_y$ ($y=6.03-6.89$). **1996**, 54, 16226-16233 19
- 1779 Thermal properties at the low-temperature structural and magnetic phase transitions in Pr_2NiO_4 crystals. **1996**, 54, 9970-9976 3
- 1778 Local structure study about Co in $YBa_2(Cu_{1-x}Co_x)_3O_{7-\delta}$ thin films using polarized XAFS. **1996**, 54, 13352-13360 2
- 1777 Pulsed laser ablation: A new route to synthesize novel superconducting compounds as oriented films. **1996**, 79, 1082 16
- 1776 PREPARATION AND STRUCTURE OF TETRAMETHYLAMMONIUM HYDROGEN TRIPEROXOTRIMOLYBDODISULFATE TRIHYDRATE, $[N(CH_3)_4]_3[H(SO_4)_2-(MoO_2(O_2))_3] \cdot 3H_2O$. **1996**, 37, 349-359 5
- 1775 Chapter 7 The rietveld method and its applications to synchrotron X-ray powder data. **1996**, 405-452 5
- 1774 Study on K_2SeO_4 at different temperatures. **1996**, 177, 191-199 10
- 1773 Direct determination of interface structure and bonding with the scanning transmission electron microscope. **1996**, 354, 2619-2634 21
- 1772 Ni and Zn doping of Cu sites in superconducting $Nd_{2-z}Ce_zCuO_4$, $La_{2-5}Pr_xCuO_4$, $Bi_2Sr_2CaCu_2O_8$, $Bi_{1-8}Pb_0-2}Sr_2Ca_2Cu_3O_{10}$, $YBa_2Cu_3O_7$, $La_{0-6}Ca_{0-4}Ba_{1-3}La_{0-5}Cu_3O_x$ and $YBa_2Cu_4O_8$. **1996**, 74, 681-714 7

1771	X-Ray Diffraction Study of LaBSiO ₅ . 1996 , 65, 3224-3228	13
1770	Crystal structure analysis of ferroelectric tetragonal tungsten bronze Pb/sub 0.596/Ba/sub 0.404/Nb/sub 2.037/O/sub 6/. 1996 , 8, 1663-1676	22
1769	Electronic structure of the misfit layer compound : band structure calculations and photoelectron spectra. 1996 , 8, 1663-1676	22
1768	Electronic structure of the misfit layer compound : band-structure calculations and photoelectron spectra. 1996 , 8, 5367-5382	14
1767	Direct experimental determination of the atomic structure at internal interfaces. 1996 , 29, 1779-1798	83
1766	The influence of Ca doping on the crystal structure and superconductivity of orthorhombic. 1996 , 8, 8889-8905	45
1765	Co ₇ As ₂ O ₁₂ : a new cobalt arsenate with a spinelloid-type structure. 1997 , 212, 445-449	3
1764	Modulated Structure of the Composite Crystal Ca _{13.6} Sr _{0.4} Cu _{24+y} O _{41+z} . 1997 , 66, 3107-3114	43
1763	Crystal structures of Ca ₅ Ge ₃ O ₁₁ and wollastonite-type GaGeO ₃ . 1997 , 212, 519-528	6
1762	Crystal structure and magnetoresistance of La(2x)/3Nd _x /3Ca ₁ /3MnO ₃ :Local lattice distortion effect. 1997 , 55, 3742-3748	66
1761	Magnetic and transport properties of the 1201-phase Tl _{0.94} Sr ₂ Cu _{0.4} Co _{0.6} O ₅ . 1997 , 56, 5504-5511	6
1760	Thermal conductivity of YBa ₂ (Cu _{1-x} Zn _x) ₃ O ₇ . Relation between x and κ . 1997 , 56, 6226-6230	11
1759	Synthesis, structure, and XPS characterization of the stoichiometric phase Sr ₂ CuO ₂ F ₂ . 1997 , 56, 2831-2835	20
1758	Neutron-diffraction studies and bond valence sums of charge neutrally doped Nd _{1-x} CaxThxBa ₂ Cu ₃ O ₇ . 1997 , 56, 2824-2830	12
1757	Structural, magnetic, and Mössbauer studies of the PrBaCuFeO _{5+y} compound. 1997 , 55, 397-408	30
1756	Development of a reliable materials base for superconducting electronics. 1997 , 12, 2958-2975	21
1755	The crystal structure of ganomalite, Pb ₉ Ca _{5.44} Mn _{0.56} Si ₉ O ₃₃ . 1997 , 212, 208-212	5
1754	A bond valence analysis of electroluminescent ZnS: Cu, Cl to elucidate the aging mechanism. 1997 , 212, 179-185	2

- 1753 First-Principles Simulations and Z-Contrast Imaging of Impurities at Tilt Grain Boundaries in MgO. **1997**, 492, 181
- 1752 Preparation and Structure of a Novel Tetranuclear Mixed-Valence Vanadium(IV/V) Complexes Having Alkoxo and Oxo Groups. **1997**, 26, 249-250 12
- 1751 Crystal Structure of Cesium Salt of Isomer of A-Type Vanadium-Trisubstituted Dodecatungstophosphate Anion, $A_4Cs_{5.4}H_{0.6}[PV_3W_9O_{40}]_{12}H_2O$. **1997**, 70, 2455-2460 10
- 1750 Single crystal X-ray studies of cation-deficient magnetite. **1997**, 212, 458-461 10
- 1749 Magnetic Properties and New Structural Classification of Molybdenum Phosphates Containing Mo(V). **1997**, 9, 68-75 30
- 1748 Metal Hexaammine as a Bulky Cation: Structural and Property Studies of $[M(NH_3)_6]Cu_8Sb_3S_{13}$ (M = Mn, Fe, Ni) and $[Fe(NH_3)_6]AgES_4$ (E = As, Sb). **1997**, 9, 2776-2785 51
- 1747 $Cs_5Mo_8O_{24}(OH)_2AsO_4 \cdot 2H_2O$ and $Cs_7Mo_8O_{26}AsO_4$: Two Novel Molybdenum(VI) Arsenates Containing Heteropolyanions $[AsMo_8O_{30}H_2]^{5-}$ and $[AsMo_8O_{30}]^{7-}$. **1997**, 36, 3049-3054 27
- 1746 1H NMR Study of Aqueous Molybdomethylarsonates. **1997**, 36, 126-128 9
- 1745 A New Three-Dimensional Vanadium Selenite, $(VO)_2(SeO_3)_3$, with Isolated and Edge-Shared VO_6 Octahedra. **1997**, 36, 6409-6412 49
- 1744 Layered Iron(III) Arsenates: Synthesis and Characterization of $A_2Fe_2O(AsO_4)_2$ (A = K, Rb). **1997**, 36, 3410-3413 11
- 1743 Synthesis and Characterization of $Cs_5Sb_8S_{18}(HCO_3)$: A New Layered Phase Containing Interstitial Cations and Anions. **1997**, 36, 1689-1693 18
- 1742 Characterization of the Two Rubidium Sites in Rb_2CrO_4 by ^{87}Rb Single-Crystal NMR. **1997**, 101, 8955-8958 19
- 1741 Sr_2CuGaO_3S , a Rare Example of Square Pyramidal Gallium. **1997**, 36, 3576-3577 29
- 1740 Bond Valence Methods. **1997**, 23-53 6
- 1739 Crystal structure of $Zn_{3.77}V_{1.54}Mo_{1.46}O_{12}$ containing ZnO_6 trigonal prisms. **1997**, 255, 190-194 25
- 1738 Condensed cluster phases in reduced oxoniobates: synthesis and studies of $Sr_4\text{Nb}_{17}O_{26}$ ($x=0.0(1), 0.3(1)$) and $Eu_4\text{Nb}_{17}O_{26}$ ($x=0.3(1)$). **1997**, 256, 129-139 0
- 1737 X-ray powder diffraction study of the stability of solid solutions in $LaO(Cl_{1-x}Br_x)$. **1997**, 262-263, 299-304 11
- 1736 LEED crystallographic analysis for the structure formed by 2 ML of O at the $Zr(0001)$ surface. **1997**, 380, 540-547 33

1735	Ga K-edge EXAFS analysis on the coordination of gallium in PbO-CaO glasses. 1997 , 221, 199-207	37
1734	Detection of surface hydroxyl species on quartz, alumina, and feldspars using diffuse reflectance infrared spectroscopy. 1997 , 61, 2193-2210	84
1733	Studies of the nature of Cu ²⁺ and Pb ²⁺ binding sites in soil humic substances using X-ray absorption spectroscopy. 1997 , 61, 2211-2221	141
1732	Studies of the nature of binding sites of first row transition elements bound to aquatic and soil humic substances using X-ray absorption spectroscopy. 1997 , 61, 2223-2235	103
1731	Surface complexation of Pb(II) at oxide-water interfaces: I. XAFS and bond-valence determination of mononuclear and polynuclear Pb(II) sorption products on aluminum oxides. 1997 , 61, 2617-2637	220
1730	Surface complexation of Pb(II) at oxide-water interfaces: II. XAFS and bond-valence determination of mononuclear Pb(II) sorption products and surface functional groups on iron oxides. 1997 , 61, 2639-2652	219
1729	Structural analysis of Sr ₂ RuO ₄ . 1997 , 273, 248-254	27
1728	Surface Structural Model for Ferrihydrite. 1997 , 45, 448-460	99
1727	The crystal structure of mawbyite, PbFe ₂ (AsO ₄) ₂ (OH) ₂ . 1997 , 61, 685-691	12
1726	Crystal and molecular structure of tris(N-methylaminoethanoldithiocarbamato)antimony(III), bismuth(III) and bis(iodobis(N-methylaminoethanoldithiocarbamato)antimony(III) and VBS calculations. 1997 , 261, 23-28	18
1725	X-ray Rietveld analysis of Y _{0.4} Pr _{0.6} BaSrCu ₃ O _{7-δ} and Y _{0.4} Pr _{0.6} Ba ₂ Cu ₃ O _{7-δ} 1997 , 282-287, 759-760	3
1724	Oxygen configuration and disordering in the superconductor (Hg _{0.7} Tl _{0.3}) ₂ Ba ₂ (Y _{0.8} Ca _{0.2})Cu ₂ O _{8+δ} 1997 , 281, 228-236	4
1723	Sr ₂ Mn ₂ O ₅ magnetic structure. 1997 , 166, 117-123	28
1722	A critical assessment of the evidence from XAFS and crystallography for the breakage of the imidazolate bridge during catalysis in CuZn superoxide dismutase. 1997 , 5, 371-9	71
1721	A neutron diffraction study of stoichiometric and reduced LaCr _{0.6} Ni _{0.4} O ₃ . 1997 , 32, 327-335	5
1720	Preparation and crystal structure of new potassium niobium oxides: K ₂ M ₂ Nb ₄ O ₁₃ (M = Mg,Fe). 1997 , 32, 559-567	6
1719	THE STRUCTURE OF Bi ₂₆ Mo ₁₀ O ₆₉ . 1997 , 32, 947-962	38
1718	New crystal structure in the BaO-Ce ₂ O ₃ -TiO ₂ system. 1997 , 32, 1657-1672	3

1717	Relationships between the structural properties and the superconductivity in $Y_{0.4}Pr_{0.6}Ba_{2-x}Sr_xCu_3O_{7-\delta}$ ($x = 0;1:0$). 1997 , 103, 29-32	5
1716	Synthesis and crystal structure analysis of binary molybdate $CsNaMoO_4 \cdot 2H_2O$. 1997 , 38, 615-619	4
1715	Synthesis and crystal structure of new complex oxides $K_{10}M_{2+}Mo_7O_{27}$ ($M_{2+} = Mg, Mn, Co$). 1997 , 38, 426-433	5
1714	New structure type in the morphotropic series of $A_2M_2(MoO_4)_3$: crystal structure of $Rb_2Cu_2(MoO_4)_3$. 1997 , 38, 765-771	33
1713	Crystal structure of $K_4MnMo_4O_{15}$ [A parent compound of a new isostructural series of complex oxides $K_4M_{2+}Mo_4O_{15}$ ($M_{2+} = Mn, Mg, Co, Cd$). 1997 , 38, 83-88	5
1712	Synthesis and crystal structure of the binary molybdate $Li_8Bi_2(MoO_4)_7$. 1997 , 38, 89-95	7
1711	Ternesite, $Ca_5(SiO_4)_2SO_4$, a new mineral from the Ettringer Bellerberg/Eifel, Germany. 1997 , 60, 121-132	37
1710	$27Al$ quadrupole interaction in zeolites loaded with probe molecules--a quantum-chemical study of trends in electric field gradients and chemical bonds in clusters. 1997 , 9, 165-75	51
1709	Microstructure of reduced magnetite as a function of aluminum content and reduction temperature. 1997 , 162, 149-159	6
1708	Ca substitution in $RBa_2Cu_3O_{7-\delta}$ ($R = Y, Er$; δ 1997, 234-236, 843-845	5
1707	Effect of Pb doping on the structure of $HgBa_2CuO_{4+\delta}$ single crystals. 1997 , 276, 281-288	11
1706	An analysis of charge carriers distribution in $RBa_2Cu_3O_7$ using the calculation of bond valence sums. 1997 , 278, 49-54	16
1705	Barium incorporation in c-axis oriented YBCO thin films deposited by metalorganic chemical vapour deposition. 1997 , 288, 1-9	4
1704	Superconductivity in $Lu_{1-x}Ca_xBa_2Cu_3O_{6+\delta}$ holes generated by Ca. 1997 , 289, 280-290	5
1703	Effect of Re substitution on the defect structure, and superconducting properties of $(Hg_{1-x}Re_x)Ba_2Ca_nCu_nO_{2n+2-\delta}$ ($n = 2, 3, 4$). 1997 , 292, 305-314	37
1702	Structural and electronic effects of alkyl substituents on the main group dithiocarbamate complexes: crystal and molecular structures of tris(N,N' -iminodiethanoldithiocarbamate)metal(III) complexes ($M = As, Sb$ and Bi) and cyclic voltammetric studies on substituted dithiocarbamates. 1997 , 16, 1211-1221	29
1701	A water-soluble μ -oxo bridged diiron complex with terminally ligated iminodiacetate chelating ligands. 1997 , 16, 2307-2313	11
1700	Formation, magnetic properties and structures of copper(II) levulinates. 1997 , 16, 2341-2351	16

- 1699 Synthesis, crystal structure and equilibrium studies on bidentate amine adducts of bis(S-benzyl)-N-(4-dimethylaminobenzyl)methylendithiocarbazone nickel(II) complex. **1997**, 16, 2863-2869 2
- 1698 Characterization of the non-stoichiometry in lanthanum oxyfluoride by FT-IR absorption, Raman scattering, X-ray powder diffraction and thermal analysis. **1997**, 16, 3421-3427 21
- 1697 Über das neue gemischtvalente Ge₇F₁₆: [GeF₆]₂ Oktaeder zwischen [GeF₁₀]²⁺-Schichten für stereochemischen Aktivitätsfreier Elektronenpaare. **1997**, 623, 596-602 12
- 1696 Selbstorganisation supramolekularer Polyoxometallate: [As¹²III Ce¹⁶III (H₂O)₃₆ W¹⁴⁸O₅₂₄]₇₆ ein kompaktes, wasserlösliches Heteropolywolframat-Ion. **1997**, 109, 1513-1516 103
- 1695 Ein (Polyoxo)(polyolato)tantal (V)-Komplex mit einem doppeladamantanartigen [Ta₇O₁₂]¹¹⁺-Kern. **1997**, 109, 2052-2054 3
- 1694 Homoleptische Carbonylkomplex-Kationen der elektronenreichen Metalle: Bildung in supersauren Medien sowie spektroskopische und strukturelle Charakterisierung. **1997**, 109, 2506-2530 65
- 1693 A Monomeric Bis(arena)lead(II) Complex with a Plumbocene-like Bent Sandwich Structural Unit Structure of [Pb(1,2-C₆H₄Me₂)₂(AlCl₄)₂]. **1997**, 130, 1731-1732 24
- 1692 X-Ray Absorption and EPR Spectroscopic Characterization of Adsorbed Copper(II) Complexes at the Boehmite (AlOOH) Surface. **1997**, 196, 79-86 31
- 1691 New Aurivillius-Related Phases in the Sb₂(W,V)O System: Structural Study and Properties. **1997**, 128, 30-37 17
- 1690 Na₃M(OH)(HPO₄)(PO₄), M=Al, Ga: Two Phosphates with a Chain Structure. **1997**, 128, 21-26 27
- 1689 The Syntheses and Structures of the Complex Oxide Carbonates Ba₁₁Pd₁₁O₂₀(CO₃)₂ and Ba₈₈Ni₈₇O₁₅₆(CO₃)₁₉. **1997**, 128, 220-227 5
- 1688 A Mixed Valent Molybdenum Monophosphate with an Original Cage Structure CsMo₆O₁₀(Mo₂O₇(PO₄)₄). **1997**, 128, 233-240 6
- 1687 Structural and Bonding Trends in Tin Pyrochlore Oxides. **1997**, 130, 58-65 191
- 1686 Control on the Copper Valence and Properties by Oxygen Content Adjustment in the LaCuO₃ System (0.5). **1997**, 130, 213-222 25
- 1685 Synthesis and Characterization of a New Zinc Phosphate, [NH₃(CH₂)₄NH₃]²⁺[Zn₂P₃O₉(OH)₃]₂ Containing Alternating Inorganic/Organic Layers. **1997**, 132, 229-234 23
- 1684 Hydrothermal Synthesis and Structures of Na₃In₂(PO₄)₃ and Na₃In₂(AsO₄)₃: Synthetic Modifications of the Mineral Alluaudite. **1997**, 131, 131-137 38
- 1683 Bonding and Structural Variations in Doped Bi₂Sn₂O₇. **1997**, 131, 317-325 34
- 1682 A Structural Study on the Rochelle Salt. **1997**, 131, 350-357 43

- 1681 Single Crystal Diffraction Studies of WO₃ at High Pressures and the Structure of a High-Pressure WO₃ Phase. **1997**, 132, 123-130 39
- 1680 Préparation et structure cristalline d'un nouveau matériau non centrosymétrique NaMoO₂AsO₄. **1997**, 133, 386-390 11
- 1679 A Mixed Valent Molybdenum Monophosphate with a Bidimensional Connection of MoO₆ Octahedra: Li₃Mo₃O₅(PO₄)₃. **1997**, 133, 391-399 4
- 1678 Pb₂BiO₂PO₄, a New Oxyphosphate. **1997**, 133, 516-521 54
- 1677 Reinvestigation of CuNbOF₅·4H₂O. **1997**, 133, 576-579 13
- 1676 Crystal Structure of New Layered Oxysulfides: Sr₃Cu₂Fe₂O₅S₂ and Sr₂CuMO₃S (M=Cr, Fe, In). **1997**, 134, 128-131 50
- 1675 Synthesis and Structural Investigation of a New Manganese-Antimony Oxoethoxide, Mn₇Sb₄(BO)₂(BO)₂(BOEt)₂(DEt)₁₆(HOEt)₂. **1997**, 134, 312-318 9
- 1674 LMU-3: a new cobalt aluminophosphate with exclusively five-coordinated aluminium and octahedrally coordinated cobalt. **1998**, 269, 73-82 16
- 1673 Metal Valences and Hole-Doping Routes in Tl- and Hg-based Superconducting Cuprates. **1998**, 11, 39-42 15
- 1672 Net Holes and Superconductivity in the Members with n B of Homologous Series, Tl- and Hg-m₂(n-l)n. **1998**, 11, 43-46 4
- 1671 Relation between T_c and the defect structure of neodymium cerium cuprite Nd_{2-x}Ce_xCuO_{4-y}. **1998**, 40, 157-162 8
- 1670 Chalcogenidometalates of the heavier Group 14 and 15 elements. **1998**, 176, 211-322 279
- 1669 Investigation of different hole-doping routes in Cu(Ba,Sr)₂(Yb_{1-x}Cax)Cu₂O_{6+z}. **1998**, 300, 17-25 17
- 1668 The Ab Initio Structure Determination of BaBeSiO₄ from Powder X-Ray Diffraction Data: A New Ordered Stuffed Cristobalite. **1998**, 33, 683-691 2
- 1667 Synthesis and structure of a new open-framework zinc phosphate: [Zn₃(PO₄)₂(HPO₄)_{0.5}]_{0.5}[(NH₃(CH₂)₂(NH₃)]₂+H₂O. **1998**, 33, 1275-1281 29
- 1666 Crystal structure of BaLa₄Ti₄O₁₅, member n = 5 of the homologous series (Ba, La)_nTi_nO_{3n} of cation-deficient perovskite-related compounds. **1998**, 33, 1537-1548 30
- 1665 Preparation and crystal structure of layered niobium oxides: Rb(Mg_{0.34}Nb_{1.66})O₅ and K(Fe_{0.43}Nb_{1.57})O₅. **1998**, 33, 1729-1738 7
- 1664 Intrinsic Proton Affinity of Reactive Surface Groups of Metal (Hydr)oxides: Application to Iron (Hydr)oxides. **1998**, 198, 282-295 196

1663	Binding Characteristics of Pb ²⁺ on Anion-Modified and Pristine Hydrous Oxide Surfaces Studied by Electrophoretic Mobility and X-Ray Absorption Spectroscopy. 1998 , 205, 380-389	52
1662	Single-Crystal High-Pressure Studies of Na ₃ ScF ₆ . 1998 , 135, 116-120	8
1661	Synthesis, Characterization, and Structure Determination of a New Heterometallic Oxoalkoxide: Er ₂ Ti ₄ O ₂ (OC ₂ H ₅) ₁₈ (HOC ₂ H ₅) ₂ . 1998 , 135, 149-158	26
1660	Neutron and X-Ray Powder Diffraction Study of RBa ₂ Fe ₃ O ₈ +wPhases. 1998 , 136, 21-33	20
1659	Synthesis, Crystal Structure, Infrared Characterization, and Electrical Properties of the New Bi ₉ (V _{1-x} P _x) ₂ ClO ₁₈ Series (0 ≤ x ≤ 1). 1998 , 136, 34-45	9
1658	Nd ₄ Cu ₂ O ₇ : A Copper(I) Oxide with a Novel Cooperatively Distorted T ₂ Type Structure. 1998 , 136, 137-140	19
1657	Preparation and Crystal Structure Analysis of Magnetoplumbite-Type BaGa ₁₂ O ₁₉ . 1998 , 136, 120-124	113
1656	Similarities and Differences in the Structural and Electronic Properties of Ruthenium and Iridium Pyrochlores A ₂ M ₂ O ₇ (M=Ru, Ir). 1998 , 136, 269-273	37
1655	[NH ₃ (CH ₂) ₈ NH ₃] ₃ [V ₁₅ O ₃₆ (Cl)](NH ₃) ₆ (H ₂ O) ₃ : Synthesis and Structure Determination of a Novel Centered Tricosahedral Cluster Compound Related to the Müller-Type Structure. 1998 , 136, 298-304	13
1654	Structure and Magnetic Susceptibility of Mn ₁₁ Ta ₄ O ₂₁ and Refinement of the Mn ₄ Ta ₂ O ₉ Structure. 1998 , 137, 276-282	13
1653	Charge Transfer Relation in the Superconducting Intercalates IBi ₂ Sr ₂ CaCu ₂ O _y . 1998 , 138, 66-73	19
1652	Preparation and Crystal Structure Analysis of Ba ₂ BiGa ₁₁ O ₂₀ . 1998 , 138, 313-320	9
1651	Hydrothermal Synthesis, Structure, and Characterization of a Mixed-Valent Iron(II/III) Phosphate, NaFe _{3.67} (PO ₄) ₃ : A New Variation of the Alluaudite Structure Type. 1998 , 139, 152-160	55
1650	A New 2+/3+ Perovskite: The Synthesis and Structure of BaScO ₂ F. 1998 , 139, 422-423	16
1649	Synthesis and Crystal Structure of Bi _{6.67} (PO ₄) ₄ O ₄ Oxyphosphate: The Bi ₆ M ₂ +(PO ₄) ₄ O ₄ and Bi _{6.5A+0.5} (PO ₄) ₄ O ₄ Series. 1998 , 139, 274-280	28
1648	X-Ray Diffraction Study of Cs ₅ (HSO ₄) ₃ (H ₂ PO ₄) ₂ , a New Solid Acid with a Unique Hydrogen-Bond Network. 1998 , 140, 251-265	33
1647	Cristobalite-Related Oxide Structures. 1998 , 141, 29-49	36
1646	Structural, Infrared, and Magnetic Characterization of the Solid Solution Series Sr _{2-x} Pb _x (VO)(VO ₄) ₂ ; Evidence of the Pb ²⁺ Lone Pair Stereochemical Effect. 1998 , 140, 417-427	30

- 1645 Crystal Structure and Metal Distribution of $\text{Bi-CoV}_3\text{O}_8$. **1998**, 141, 133-139 8
- 1644 Synthesis and Structure of Bismuth Copper Vanadate, BiCu_2VO_6 . **1998**, 141, 149-154 40
- 1643 Synthesis and Properties of Erbium Isopropoxides: Structural Characterization of $\text{Er}_5\text{O}(\text{OPri})_{13}$. **1998**, 141, 168-176 29
- 1642 Crystal Structure and Magnetic Properties of $\text{La}_2\text{Co}_2\text{O}_5$. **1998**, 141, 411-417 42
- 1641 Préparation et Structure Cristalline d'un Nouveau Composé en Couches $\text{Rb}_2\text{MoO}_2\text{As}_2\text{O}_7$. **1998**, 141, 500-507 10
- 1640 $\text{Ti}_2\text{Nb}_6\text{Cl}_{14}\text{O}_4$: eine einzigartige 2D-1D-Netzwerkkombination in der Niobclusterchemie. **1998**, 110, 538-540 2
- 1639 Atomic Column Resolved Electron Energy-Loss Spectroscopy. **1998**, 166, 327-342 73
- 1638 Natural resonance theory: II. Natural bond order and valency. **1998**, 19, 610-627 432
- 1637 Binary molybdates $\text{K}_4\text{M}_2+(\text{MoO}_4)_3$ ($\text{M}_2+=\text{Mg, Mn, Co}$) and crystal structure of $\text{K}_4\text{Mn}(\text{MoO}_4)_3$. **1998**, 39, 230-237 14
- 1636 Observation of real space electronic state by laboratory X-ray diffraction in $\text{YBa}_2\text{Cu}_3\text{O}_{6.9}$ and $\text{YBa}_2\text{Cu}_3\text{O}_{6.0}$. **1998**, 59, 1921-1924 3
- 1635 Coordination of the new weakly coordinating anions $\text{Al}(\text{OCH}(\text{CF}_3)_2)_4$, $\text{Al}(\text{OC}(\text{CH}_3)(\text{CF}_3)_2)_4$ and $\text{Al}(\text{OC}(\text{Ph})(\text{CF}_3)_2)_4$ to the monovalent metal ions Li^+ and Tl^+ . **1998**, 128, 289-331 29
- 1634 Deux nouveaux bismutho(III)polytungstates $\text{Na}_0[\text{B}[\text{Bi}_2\text{NNi}_2\text{W}_6\text{O}_{30}(\text{H}_2\text{O})_6]] \cdot 26\text{H}_2\text{O}$ et $\text{Na}_8[\text{Bi}_2\text{W}_6\text{O}_{30}(\text{O}(\text{OH})_6)] \cdot 31\text{H}_2\text{O}$. **1998**, 1, 175-181
- 1633 Hydrothermal synthesis, crystal structure refinement and thermal transformation of $\text{LiZnAsO}_4 \cdot \text{H}_2\text{O}$. **1998**, 26, 77-87 11
- 1632 A ferric molybdenum phosphate with a tunnel: hydrothermal synthesis and structure of $(\text{NH}_3\text{CH}_2\text{CH}_2\text{NH}_3)_2 \cdot (\text{NH}_3\text{CH}_2\text{CH}_2\text{NH}_2)_3 \cdot \text{Na} \cdot [\text{Fe}_2\text{Mo}_{12}\text{O}_{30}(\text{PO}_4)(\text{HPO}_4)_4(\text{H}_2\text{PO}_4)_3] \cdot 7\text{H}_2\text{O}$. **1998**, 1, 382-385 34
- 1631 On the crystal structure of $\text{Bi}_2\text{Te}_2\text{O}_7$. **1998**, 35, 49-65 10
- 1630 Crystal structure of $\text{Ba}_2\text{La}_4\text{Ti}_5\text{O}_{18}$, member $n = 6$ of the homologous series $(\text{Ba},\text{La})_n\text{Ti}_n\text{O}_{3n}$ of cation deficient perovskite-related compounds. **1998**, 35, 77-90 16
- 1629 Hydrothermal synthesis and structural determination of a three-dimensional microporous iron(III)phosphate: $[\text{H}_3\text{N}(\text{CH}_2)_4\text{NH}_3]_3[\text{Fe}_8(\text{HPO}_4)_{12}(\text{PO}_4)_2(\text{H}_2\text{O})_6]$. **1998**, 35, 143-160 8
- 1628 The atomic origins of reduced critical currents at $[001]$ tilt grain boundaries in $\text{YBa}_2\text{Cu}_3\text{O}_7$ thin films. **1998**, 294, 183-193 137

1627	Charge localization in oxidized $\text{Pb}_2\text{Sr}_2\text{Y}_{0.5}\text{Ca}_{0.5}\text{Cu}_3\text{O}_8$ studied by electron and neutron powder diffraction. 1998 , 294, 169-175	1
1626	Synthesis and neutron powder diffraction study of $\text{Nd}_2\text{Ba}_{2+x}\text{Cu}_2\text{Ti}_2\text{O}_{11}$ for $x=0.0$ and 0.3 . 1998 , 300, 110-114	1
1625	Hole-doping of the CuO_2 planes in high T_c superconductors. 1998 , 54, 92-97	9
1624	Carbonate-substituted phosphoellenbergerite from Modum, Norway: description and crystal structure. 1998 , 62, 89-101	13
1623	Equilibria of the $\text{H}^+ - \text{MoO}_2 - \text{CH}_3\text{PO}_2$ system in aqueous 1.0 M $\text{Na}(\text{Cl})$ medium. 1998 , 17, 3315-3320	4
1622	Crystal growth and structure of $\text{Mn}_{2.47}\text{V}_{0.94}\text{Mo}_{1.06}\text{O}_8$. 1998 , 267, 79-85	15
1621	Crystal structure of $\text{K}_{18.5}\text{H}_{1.5}[\text{Ce}_3(\text{CO}_3)(\text{SbW}_9\text{O}_{33})(\text{W}_5\text{O}_{18})_3] \cdot 14\text{H}_2\text{O}$. 1998 , 268, 100-106	24
1620	Recent progress in tetravalent terbium chemistry. 1998 , 275-277, 1-5	16
1619	Compositionally and/or displacively flexible systems and their underlying crystal chemistry. 1998 , 26, 1-96	44
1618	Vibrational spectroscopy of functional group chemistry and arsenate coordination in ettringite. 1998 , 62, 3499-3514	199
1617	Experimental and theoretical vibrational spectroscopic evaluation of arsenate coordination in aqueous solutions, solids, and at mineral-water interfaces. 1998 , 62, 3285-3300	252
1616	New Metal-Intercalated Layered Vanadyl Phosphates, $\text{M}(x)(\text{VOPO}(4))_y\text{H}(2)\text{O}$ ($\text{M} = \text{Ag}, \text{Cu}, \text{Zn}$). 1998 , 37, 3628-3634	27
1615	Structural Study of Sodium-Type Zeolite LTA by Combination of Rietveld and Maximum-Entropy Methods. 1998 , 10, 3996-4004	42
1614	Determination of the fluorite related structure of $\text{Mn}_3\text{Ta}_2\text{O}_8$, using synchrotron X-ray powder and electron diffraction data. 1998 , 8, 2493	6
1613	Novel Open-Framework Tin(II) Phosphate Materials Containing SnO_3Sn Linkages and Three-Coordinated Oxygens. 1998 , 10, 1627-1631	33
1612	^{51}V Chemical Shielding and Quadrupole Coupling in Ortho- and Metavanadates from ^{51}V MAS NMR Spectroscopy. 1998 , 37, 3083-3092	70
1611	Synthesis and Structure of $[(1R,2R)\text{-C}(6)\text{H}(10)(\text{NH}(3))(2)][\text{Ga}(\text{OH})(\text{HPO}(4))(2)] \cdot \text{H}(2)\text{O}$, the First Metal Phosphate Containing a Chiral Amine. 1998 , 37, 4220-4222	45
1610	Structure and Magnetic Properties of a Mixed-Valence Heptanuclear Manganese Cluster. 1998 , 37, 3759-3766	91

- 1609 Synthesis and Characterization of $\text{Se}_4\text{Nb}_2\text{O}_{13}$: A New Ternary $\text{Se}^{4+}\text{Nb}^{5+}$ Oxide with Monoselenite and Diselenite Groups. **1998**, 10, 646-649 39
- 1608 Lewis-Acid Properties of Technetium(VII) Dioxide Trifluoride, TcO_2F_3 : Characterization by ^{19}F , ^{17}O , and ^{99}Tc NMR Spectroscopy and Raman Spectroscopy, Density Functional Theory Calculations of TcO_2F_3 , $\text{M}^+\text{TcO}_2\text{F}_4^-$ [$\text{M} = \text{Li}, \text{Cs}, \text{N}(\text{CH}_3)_4$], and $\text{TcO}_2\text{F}_3 \cdot \text{CH}_3\text{CN}$, and X-ray Crystal Structure of $\text{Li}^+\text{TcO}_2\text{F}_4^-$. **1998**, 37, 340-353 28
- 1607 Comparative Study of the Structural, Electronic, and Magnetic Properties of the Layered Ternary Vanadium Oxides CaV_4O_9 , $\text{Cs}_2\text{V}_4\text{O}_9$, and $[\text{H}_2\text{N}(\text{CH}_2)_4\text{NH}_2]\text{V}_4\text{O}_9$. **1998**, 10, 1059-1064 41
- 1606 Crystal Structure Studies by Single-Crystal NMR Spectroscopy. ^{71}Ga and ^{69}Ga Single-Crystal NMR of Ga_2O_3 Twins. **1998**, 120, 8184-8188 35
- 1605 Synthesis and Characterization of Two New Copper Tellurites, $\text{Ba}_2\text{Cu}_4\text{Te}_4\text{O}_{11}\text{Cl}_4$ and $\text{BaCu}_2\text{Te}_2\text{O}_6\text{Cl}_2$, in Supercritical H_2O . **1998**, 37, 4046-4051 41
- 1604 Room- and Low-Temperature Crystallographic Study of the Ambient Pressure Organic Superconductor (Bisethylene dithiotetrathiofulvalene) $_4\text{Hg}_{2.89}\text{Br}_8$. **1998**, 10, 1521-1529 19
- 1603 Polytopal Isomerism of the $[\text{Cd}(\text{S}(\text{O})\text{CPh})_3]^-$ Anion. **1998**, 37, 1661-1664 20
- 1602 Bond Valence Sum Analysis of Metalloenzymes. 3. Predicting Bond Lengths in Adjacent Redox States Using Inner-Sphere Reorganizational Energies. **1998**, 37, 5690-5692 28
- 1601 Synthesis and Characterization of Three New Layered Phosphates, $\text{Na}_2\text{MnP}_2\text{O}_7$, $\text{NaCsMnP}_2\text{O}_7$, and $\text{NaCsMn}_{0.35}\text{Cu}_{0.65}\text{P}_2\text{O}_7$. **1998**, 37, 5869-5874 52
- 1600 Preparation and Characterization of a New 3-Dimensional Zirconium Hydrogen Phosphate, $\text{EZr}(\text{HPO}_4)_2$. Determination of the Complete Crystal Structure Combining Synchrotron X-ray Single-Crystal Diffraction and Neutron Powder Diffraction. **1998**, 37, 876-881 38
- 1599 Coordination Intercalation of NbAsO_5 with Alkali-Metal Chloride. Synthesis, Structure, and Spectroscopy of Two New Layered Niobium(V) Arsenate Compounds, ANbAsO_5Cl ($\text{A} = \text{Rb}, \text{Cs}$). **1998**, 37, 1507-1512 24
- 1598 Tin(II) Oxalates Synthesized in the Presence of Structure-Directing Organic Amines: Members of a Potentially Vast Class of New Open-Framework and Related Materials. **1998**, 10, 3746-3755 59
- 1597 Bond Valence Sums in Coordination Chemistry. A Simple Method for Calculating the Oxidation State of Cobalt in Complexes Containing Only Co-O Bonds. **1998**, 37, 4149-4151 91
- 1596 Ions in Crystals: The Topology of the Electron Density in Ionic Materials. III. Geometry and Ionic Radii. **1998**, 102, 6937-6948 90
- 1595 $[\text{pyH}]_2[\text{Cu}(\text{py})_4(\text{MX}(6))_2]$ ($\text{MX}(6) = \text{ZrF}(6)(2)^-, \text{NbOF}(5)(2)^-, \text{MoO}(2)\text{F}(4)(2)^-$; $\text{py} = \text{Pyridine}$): Rarely Observed Ordering of Metal Oxide Fluoride Anions. **1998**, 37, 76-80 79
- 1594 Composition Space Diagrams for Mixed Transition Metal Oxide Fluorides. **1998**, 37, 6495-6501 91
- 1593 Composition Space of the $(\text{CdO}, 0.5\text{Nb}_2\text{O}_5)/(\text{HF})_x \cdot \text{Pyridine}/\text{H}_2\text{O}$ System. Structure and Synthesis of $\text{CdNb}(\text{py})_4\text{OF}_5$. **1998**, 37, 369-371 36
- 1592 Electronic Crystallization in a Lithium Battery Material: Columnar Ordering of Electrons and Holes in the Spinel LiMn_2O_4 . **1998**, 81, 4660-4663 265

- 1591 Hyalotekite, $(\text{Ba,Pb,K})_4(\text{Ca,Y})_2\text{Si}_8(\text{B,Be})_2(\text{Si,B})_2\text{O}_{28}\text{F}$, a tectosilicate related to scapolite: new structure refinement, phase transitions and a short-range ordered 3b superstructure. **1998**, 62, 77-92 14
- 1590 From Discrete Metal-Oxygen Clusters to Open-Framework Structure: Syntheses and Characterization of $\text{Cs}_2\text{Mo}_2\text{O}_5\text{As}_2\text{O}_7 \cdot 4\text{H}_2\text{O}$, $\text{Cs}_2\text{Mo}_2\text{O}_5(\text{HAsO}_4)_2 \cdot 2\text{H}_2\text{O}$, and $\text{Cs}_4\text{Mo}_6\text{O}_{18}(\text{H}_2\text{O})(\text{HAsO}_4)_2 \cdot 2.5\text{H}_2\text{O}$. **1998**, 37, 3230-3235 17
- 1589 Novel Organically Templated Vanadyl(IV) Diarsenate and Monoarsenate with Chain Structures: Solvothermal Synthesis and Characterization of $(\text{H}_3\text{NC}_2\text{H}_4\text{NH}_3)[\text{VO}(\text{H}_2\text{O})\text{As}_2\text{O}_7]$ and $(\text{H}_3\text{NC}_2\text{H}_4\text{NH}_3)_0.5[\text{VO}(\text{H}_2\text{O})\text{AsO}_4]$. **1998**, 37, 3415-3418 29
- 1588 Effect of Zn doping and oxygen stoichiometry on the thermal conductivity of. **1998**, 11, 44-48 5
- 1587 Crystal structure refinements of $\text{In}_x\text{Fe}_{3-x}\text{O}_4$ ($x = 0.3$) spinels by the Rietveld method. **1998**, 213, 461-465 10
- 1586 Structural and electronic effects of Sr substitution for Ba in $\text{Y}(\text{Ba}_{1-x}\text{Sr}_x)_2\text{Cu}_3\text{O}_w$ at varying w. **1998**, 58, 15208-15217 62
- 1585 Evidence of an atomistic universal structural entity for high-temperature superconductivity. **1998**, 83, 1540-1548 11
- 1584 Investigation of three-dimensional grain-boundary structures in oxides through multiple-scattering analysis of spatially resolved electron-energy-loss spectra. **1998**, 58, 8289-8300 65
- 1583 Predicted properties of $\text{Nd}_{1.5}\text{Ce}_{0.5}\text{Sr}_2\text{Cu}_2\text{NbO}_{10}$ and related high-temperature superconductors. **1998**, 57, 10798-10813 13
- 1582 Layered (Cu,Fe) oxides of double perovskite structure: Correlation between structural and magnetic-property changes in $\text{BaY}(\text{Cu}_{0.5}\text{Fe}_{0.5})_2\text{O}_{5+\delta}$ upon high-pressure heat treatment. **1998**, 58, 3371-3376 18
- 1581 Structural investigation of $\text{Ba}_6\text{B}_x\text{Ln}_{8+2x}\text{Ti}_{18}\text{O}_{54}$ ($x = 0.27$, $\text{Ln} = \text{Sm}$) by single crystal x-ray diffraction in space group Pnma (No. 62). **1998**, 13, 187-196 35
- 1580 Crystal structure analysis and polarization mechanisms of ferroelectric tetragonal tungsten bronze lead barium niobate. **1998**, 206, 123-132 13
- 1579 Bond-valence analysis on the structural effects in magnetoresistive manganese perovskites. **1998**, 10, L757-L763 35
- 1578 Crystallographic studies of BaR_2ZnO_5 ($\text{R} = \text{La, Nd, Dy, Ho, Er, and Y}$). **1998**, 13, 144-151 8
- 1577 Structure investigations of Tl(I)-arsenates(V): $\text{Tl}_3(\text{AsO}_4)$, $\text{Tl}_2\text{Cu(I)}(\text{AsO}_4)$ and $\text{TlCu(II)}_2(\text{AsO}_4)(\text{AsO}_3\text{OH})$. **1998**, 213, 42-46 5
- 1576 MEM Analysis on Electron Density Distribution of Superconductors, $\text{Pb}_2\text{Sr}_2\text{Y}_{0.90}\text{Sr}_{0.10}\text{Cu}_3\text{O}_8$, $\text{Pb}_2\text{Sr}_2\text{Y}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_8$ ($x = 0.25$ and 0.41) and $\text{Pb}_2\text{Sr}_2\text{Ho}_{0.64}\text{Ca}_{0.36}\text{Cu}_3\text{O}_8$. **1998**, 39, 562-569 5
- 1575 Crystal structure and reference X-ray pattern of $\text{Ba}_4\text{Ti}_{10}\text{Al}_2\text{O}_{27}$. **1998**, 13, 178-184 3
- 1574 Crystal structures and reference X-ray powder diffraction patterns of $\text{Sr}_4\text{Ca}_x\text{Pb}_2\text{O}_8$ ($x = 1, 2, 3$). **1998**, 13, 232-240 1

- 1573 Structural Modulation and Charge Distribution in the Spin-Ladder $\text{Ca}_{13.6}\text{Sr}_{0.4}\text{Cu}_{24+y}\text{O}_{41+z}$. **1998**, 67, 3119-3124 9
- 1572 Ab initio band structure calculations of Mg_3N_2 and MgSiN_2 . **1999**, 11, 4833-4842 56
- 1571 The structure of antimonian dussertite and the role of antimony in oxysalt minerals. **1999**, 63, 17-26 18
- 1570 Structural features and superconductivity of Al-doped Y(RE)-123-type single crystals. **1999**, 12, 1150-1155 1
- 1569 High-pressure phase transition in CaTiOSiO_4 titanite. **1999**, 68, 533-543 24
- 1568 Bond length-bond valence relationships with particular reference to polyoxometalate chemistry. **1999**, 1-66 10
- 1567 The doping routes and distribution of holes in layered cuprates: A novel bond-valence approach. **1999**, 79, 343-366 53
- 1566 Oxygen and phosphorus coordination around iron in crystalline ferric ferrous pyrophosphate and iron-phosphate glasses with UO_2 or Na_2O . **1999**, 14, 2628-2639 28
- 1565 A bond model for polyoxometalate ions composed of MO_6 octahedra (MO_k polyhedra with $k > 4$). **1999**, 67-127 7
- 1564 SYNTHESIS, CRYSTAL STRUCTURE AND QUANTUM CHEMICAL CALCULATIONS OF $[\text{Ge}(\text{OH})(\text{Hcdta})]_4\text{H}_2\text{O}$ (H_4cdta = trans-CYCLOHEXANE-1,2-DIAMINETETRAACETIC ACID). **1999**, 22, 1 1
- 1563 Ab initio determination and Rietveld refinement of the crystal structure of $\text{Ni}_{0.50}\text{TiO}(\text{PO}_4)$. **1999**, 14, 10-15 31
- 1562 BOND VALENCE SUM ANALYSIS (BVS) OF METAL LIGAND BOND LENGTHS IN SOME Zn(II), Cd(II) DITHIOCARBAMATE COMPLEXES AND THEIR ADDUCTS. **1999**, 22, 6 6
- 1561 Superstructure and superconductivity in $\text{Li}_{1-x}\text{NbO}_2(x \approx 0.7)$ single crystals. **1999**, 59, 9590-9599 23
- 1560 High-pressure form of $(\text{VO})_2\text{P}_2\text{O}_7$: A spin-1/2 antiferromagnetic alternating-chain compound with one kind of chain and a single spin gap. **1999**, 60, 10145-10149 40
- 1559 Change from sixfold to fivefold coordination of silicate polyhedra: Insights from first-principles calculations of CaSi_2O_5 . **1999**, 59, 9149-9154 11
- 1558 Magnetism in $\text{La}_{8-x}\text{Sr}_x\text{Cu}_8\text{O}_{20}$: A hybrid system with localized one-dimensional Cu-O chains and an itinerant three-dimensional Cu-O network. **1999**, 60, R15031-R15034 6
- 1557 Ca-substitution and O-doping effects in superconducting $\text{Cu}(\text{Ba}_{0.8}\text{Sr}_{0.2})_2(\text{Yb}_{1-x}\text{Ca}_x)\text{Cu}_2\text{O}_{6+z}$ obtained from neutron diffraction refinements. **1999**, 60, 4378-4385 15
- 1556 Superconductivity above 30 K in $[(\text{Bi}_{1-x}\text{Mox})_{0.33}\text{Cu}_{0.67}]\text{Sr}_2\text{YCu}_2\text{O}_y$: Appearance of superconductivity by transfer of holes from a block layer to a CuO_2 layer. **1999**, 60, 687-697 8

- 1555 Comparison of bulk $R_2\text{CezCuO}_4$ with superlattice $R_2\text{CezCuO}_4/\text{SrO}/\text{NbO}_2/\text{SrO}/\text{CuO}_2$. **1999**, 60, 13051-13055 7
- 1554 MUON SPIN ROTATION IN $\text{Sr}_2\text{YRu}_1\text{UCu}_6\text{O}_6$. **1999**, 13, 3670-3677 17
- 1553 Structural study of the aluminophosphate $\text{AlPO}_4\text{-5}$ by neutron powder diffraction. **1999**, 60, 1531-1535 22
- 1552 Hydrothermal synthesis and structural characterization of a mixed-valence molybdenum (IV,VI) arsenate (III): $\text{Ni}(\text{H}_2\text{NCH}_2\text{CH}_2\text{NH}_2)_3[(\text{MoIVO}_6)\text{Mo}_6\text{VIO}_{18}(\text{As}_3\text{IIIIO}_3)_2]\text{H}_2\text{O}$. **1999**, 484, 139-143 14
- 1551 Hydrothermal synthesis and structure of $[\text{As III As V Mo VI}_9\text{O}_{34}]_6$ a monocapped, trivacant Keggin species. **1999**, 508, 217-221 16
- 1550 Control of the charge inhomogeneity and high- T_c superconducting properties in homologous series of multi-layered copper oxides. **1999**, 26, 51-96 97
- 1549 Structural study of $\text{Na}_8[\text{AlSiO}_4]_6(\text{CO}_3)_x(\text{HCOO})_{2x}(\text{H}_2\text{O})_{4x} \cdot 0.2x\text{H}_2\text{O}$, synthesized in organic solvents: order and disorder of carbonate and formate anions in sodalite. **1999**, 28, 335-351 16
- 1548 Hydrothermal synthesis and structure determination of a novel hexagonal ammonium molybdenum bronze, $\text{NH}_4\text{Mo}_6\text{O}_{18}$. **1999**, 2, 258-260 8
- 1547 Hydrothermal synthesis and crystal structure of a new copper(II) molybdenum(VI) arsenate(III), $(\text{C}_5\text{H}_5\text{NH})_2(\text{H}_3\text{O})_2[(\text{CuO}_6)\text{Mo}_6\text{O}_{18}(\text{As}_3\text{O}_3)_2]$. **1999**, 2, 399-402 8
- 1546 Anharmonicity around Th in crystalline oxide-type compounds: An insitu-, high-temperature XAFS spectroscopy study to 1500°C . **1999**, 266, 282-289 3
- 1545 Comparison of T_c -depression of Pr at Y- and Ba-sites in $\text{YBa}_2\text{Cu}_3\text{O}_y$. **1999**, 315, 59-65 14
- 1544 Hydrothermal synthesis and crystal structure of a new molybdenum(VI) arsenate(III), $\text{CoIII}(\text{en})_3\text{H}_3\text{O}[(\text{CoIO}_6)\text{Mo}_6\text{VI}_6\text{O}_{18}(\text{AsIII}_3\text{O}_3)_2] \cdot 2\text{H}_2\text{O}$. **1999**, 295, 244-247 13
- 1543 Lewis Acid Behavior of ReO_2F_3 : Synthesis of $(\text{ReO}_2\text{F}_3)_n$, ReO_2F_4 -, $\text{Re}_2\text{O}_4\text{F}_7$ -, $\text{Re}_3\text{O}_6\text{F}_{10}$ -, and $\text{ReO}_2\text{F}_3(\text{CH}_3\text{CN})$ and Study by NMR Spectroscopy, Raman Spectroscopy, and Density Functional Theory Calculations; and X-ray Structures of $[\text{Li}][\text{ReO}_2\text{F}_4]$, $[\text{K}][\text{Re}_2\text{O}_4\text{F}_7]$, $[\text{K}][\text{Re}_2\text{O}_4\text{F}_7] \cdot 2\text{ReO}_2\text{F}_3$, $[\text{Cs}][\text{Re}_3\text{O}_6\text{F}_{10}]$, and $\text{ReO}_3\text{F}(\text{CH}_3\text{CN})_2 \cdot \text{CH}_3\text{CN}$. **1999**, 38, 2340-2358 26
- 1542 Investigation of the relationship between T_c and the Coulomb interaction of copper cations from the neighboring CuO_2 layers. **1999**, 40, 563-571 13
- 1541 Local structure and thermal study of ytterbium-doped SrZrO_3 . **1999**, 34, 11-24 23
- 1540 A neutron diffraction study of the temperature dependence of $\text{Ca}_2\text{Fe}_2\text{O}_5$. **1999**, 34, 303-314 115
- 1539 Synthesis and crystal structure of the new zincmagnesium vanadium(IV) phosphate hydrate $\text{Mg}(\text{Zn})\text{Zn}_x(\text{VOPO}_4)_2 \cdot 4\text{H}_2\text{O}$ ($x \sim 0.28$). **1999**, 34, 1117-1127 4
- 1538 Study on the $\text{Al}_2\text{O}_3\text{-Bi}_2\text{O}_3\text{-La}_2\text{O}_3$ ternary system at 1300°C . **1999**, 34, 1375-1382 24

- 1537 The M₂Q₁₁ unit (M = Nb, Ta; Q = S, Se): A versatile building block to generate group 5 polychalcogenides. **1999**, 1, 85-108 16
- 1536 Crystal growth and structure of V₂VSe₂VO₉; comparison with V₂Te₂O₉. **1999**, 1, 279-286 9
- 1535 Structure and magnetic susceptibility of MnNb₃O₆. **1999**, 1, 567-575 3
- 1534 The Stereochemical Effect of 6s²Lone-Pair Electrons: The Crystal Structure of a New Lead Bismuth Oxyphosphate Pb₄BiO₄PO₄. **1999**, 142, 80-88 23
- 1533 Ordering of CeIII/CeIV and Interstitial Oxygens in CeTaO_{4+x}(x=0.17) Superstructure. **1999**, 144, 240-246 11
- 1532 New Structural and Electrical Data on BiMo Mixed Oxides with a Structure Based on [Bi₁₂O₁₄] Columns. **1999**, 142, 294-304 37
- 1531 Crystal Structure and Vibrational Spectra of Li₂BAlO₄. **1999**, 142, 214-219 11
- 1530 Tungsten Bronze-Type Solid Solutions Ba_{6-8x}Sm_{8+2x}Ti₁₈O₅₄(x=0.3, 0.5, 0.67, 0.71) with Superstructure. **1999**, 142, 336-343 27
- 1529 Hydrothermal Syntheses and Crystal Structures of Two New Iron Phosphates [C₂N₂H₁₀]₂₊[Fe(HPO₄)₂(OH)]₂·2H₂O and KFe₃(OH)₂(PO₄)₂·2H₂O. **1999**, 142, 455-460 27
- 1528 Mixed Inorganic/Organic Anion Frameworks: Synthesis and Crystal Structure of Fe₄(PO₄)₂(C₂O₄)(H₂O)₂. **1999**, 143, 58-61 49
- 1527 Bond-Valence Analysis of the Structure of (Ba_{0.875}Sr_{0.125})RuO₃. **1999**, 143, 69-73 12
- 1526 Synthesis and Structure of an Unusual New Layered Aluminophosphate Containing Oxalate Groups, [NH₃CH₂CH₂NH₃]_{2.5}[Al₄H(HPO₄)₄(H₂PO₄)₂(C₂O₄)₄]. **1999**, 143, 74-76 47
- 1525 Préparation et structure cristalline d'un nouveau bis-diphosphate de bismuth et de sodium Na₅Bi(P₂O₇)₂. **1999**, 143, 104-110 5
- 1524 Modulated Structures in Oxidized Cerium Niobates. **1999**, 143, 122-131 37
- 1523 Hydrothermal Synthesis and Characterization of M₂Te₃O₈ (M=Mn, Co, Ni, Cu, Zn): A Series of Compounds with the Spiroffite Structure. **1999**, 143, 246-253 46
- 1522 Rodalquilarite Revisited: The Hydrothermal Synthesis and Structural Reinvestigation of H₃Fe₂(TeO₃)₄Cl. **1999**, 143, 254-259 10
- 1521 Evolution of the Structure of the K₂NiF₄ Phases La_{2-x}Sr_xNiO_{4+δ} with Oxidation State: Octahedral Distortion and Phase Separation (0.2 ≤ δ ≤ 0). **1999**, 145, 401-420 40
- 1520 Synthesis of Two New Metallic Alkali Metal Silver Selenides, K₂Ag₁₂Se_{7.11} and RbAg₅Se₃, from Supercritical Ethylenediamine. **1999**, 144, 287-296 11

- 1519 Open-Framework Zinc Phosphates Synthesized in the Presence of Structure-Directing Organic Amines. **1999**, 147, 154-169 61
- 1518 Preparation, Electrical Properties, Crystal Structure, and Electronic Structure of Cu_4GeS_4 . **1999**, 145, 204-211 13
- 1517 Electronic and Structural Effects of Nitrogen Doping on the Ionic Conductivity of Li_3PO_4 . **1999**, 145, 619-628 5
- 1516 A New Family of Lithium Rare-Earth Oxyborates, $\text{LiLn}_6\text{O}_5(\text{BO}_3)_3$ ($\text{Ln}=\text{Pr}\text{---}\text{M}$): Crystal Structure of the Gadolinium Phase $\text{LiGd}_6\text{O}_5(\text{BO}_3)_3$. **1999**, 146, 189-196 29
- 1515 Synthesis and Structure of a New Open-Framework Tin(II) Phosphate, $[\text{NH}_3\text{CH}_2\text{CH}(\text{NH}_3)\text{CH}_3]_{0.5}[\text{Sn}_4\text{P}_3\text{O}_{12}] \cdot \text{H}_2\text{O}$, Possessing One-Dimensional Channels. **1999**, 148, 50-55 9
- 1514 $\text{CsUV}_3\text{O}_{11}$, a New Uranyl Vanadate with a Layered Structure. **1999**, 146, 258-265 30
- 1513 Bond Valence Analysis of Tetragonal Zirconias. **1999**, 146, 363-368 13
- 1512 Structural Study of the Quantum-Spin Chain Compound $(\text{VO})_2\text{P}_2\text{O}_7$. **1999**, 146, 369-379 36
- 1511 A Nickel Molybdenum Phosphate with Tunnel: Hydrothermal Synthesis and Structure of $(\text{NH}_3\text{CH}_2\text{CH}_2\text{NH}_3)_4 \cdot (\text{NH}_3\text{CH}_2\text{CH}_2\text{NH}_2) \cdot \text{Na} \cdot [\text{Ni}_2\text{Mo}_{12}\text{O}_{30}(\text{PO}_4)(\text{HPO}_4)_4(\text{H}_2\text{PO}_4)_3] \cdot 6\text{H}_2\text{O}$. **1999**, 146, 533-537 76
- 1510 Local Structural Perturbations in $\text{HgBa}_2\text{CuO}_4 + \delta$ **1999**, 148, 119-128 7
- 1509 Hydrothermal Synthesis, Structural Characterization, and Physical Properties of a New Mixed Valence Iron Phosphate, $\text{SrFe}_3(\text{PO}_4)_3$. **1999**, 147, 390-398 32
- 1508 Synchrotron X-Ray Powder Diffraction Study of $(\text{Bi,Pb})_{1.64}\text{Sr}_{1.43}\text{Ca}_{1.57}\text{Mn}_2\text{O}_9$, Mn-Analogue of BSCCO-2212 Superconductor. **1999**, 147, 501-508
- 1507 A New Vanadium Oxide Bronze: $[\text{NH}_3(\text{CH}_2)_6\text{NH}_3]_{10}[\text{V}_{15}\text{O}_{37}(\text{Cl})]_2[\text{V}_{15}\text{O}_{36}(\text{Cl})](\text{OH})_3(\text{H}_2\text{O})_3$ with Clusters $[\text{V}_{15}\text{O}_{36}(\text{Cl})]_5$ and $[\text{V}_{15}\text{O}_{37}(\text{Cl})]_6$ Textured by Diaminohexane. **1999**, 147, 552-560 8
- 1506 Site Preference of Fe and V in $\text{PbFe}_x\text{V}_{6-x}\text{O}_{11}$ by Neutron Diffraction and Mössbauer Spectroscopy: Low Temperature Investigation for $x=1.75$. **1999**, 147, 609-617 8
- 1505 Cristobalite-Related Phases in the $\text{KAlO}_2\text{---}\text{AlSiO}_4$ System. **1999**, 147, 624-630 18
- 1504 Hybrid Framework Iron(II) Phosphate-Oxalates. **1999**, 146, 538-545 60
- 1503 The Structure and Conductivity of $\text{K}_8\text{Nd}_3\text{Si}_{12}\text{O}_{32}(\text{OH})$: A Layered Silicate with Paths for Possible Fast-Ion Conduction. **1999**, 148, 406-418 8
- 1502 Hydrothermal Synthesis and X-Ray Single Crystal Structure of $[\text{Zn}(\text{en})_2]_6[(\text{VO})_{12}\text{O}_6\text{B}_{18}\text{O}_{39}(\text{OH})_3] \cdot 13\text{H}_2\text{O}$. **1999**, 148, 450-454 34

1501	Structure Refinement and Magnetic Properties of $\text{Ce}(\text{PO}_3)_3$ Studied by Neutron Diffraction and Mössbauer Techniques. 1999 , 148, 455-463	25
1500	Ein neuer Weg zu Intercalaten aus Vanadumpentoxid und Pyridinen: $(4\text{-H}_2\text{N-C}_5\text{H}_5\text{NH})\text{V}_2\text{O}_5$. 1999 , 111, 1864-1868	
1499	X-ray Study of the Spinel LiMn_2O_4 at Low Temperatures. 1999 , 11, 3629-3635	46
1498	Structural effects in $\text{R}_0.5\text{Sr}_0.5\text{MnO}_3$ perovskites (R = rare earth). 1999 , 11, 8103-8109	0
1497	An Extended Solid from the Solvothermal Decomposition of $\text{Co}(\text{Acac})_3$: Structure and Characterization of $\text{Co}_5(\text{OH})_2(\text{O}_2\text{CCH}_3)_8 \cdot 2\text{H}_2\text{O}$. 1999 , 38, 194-196	61
1496	Enhancement of critical Pr ion concentration (xcr) in $(\text{La}_{1-x}\text{Pr}_x)\text{Ba}_2\text{Cu}_3\text{O}_z$. 1999 , 86, 6985-6992	8
1495	Flexibility and Cation Distribution upon Lithium Exchange of Aluminosilicate and Aluminogermanate Materials with the RHO Topology. 1999 , 11, 2780-2787	24
1494	The Polar $[\text{WO}_2\text{F}_4]^{2-}$ Anion in the Solid State. 1999 , 38, 762-767	61
1493	Synthesis and Crystal Structure of UiO-16: An Organically Templated Layered Magnesium Phosphate. 1999 , 11, 2872-2877	7
1492	Synthesis and structure of bismuth copper arsenate, $\text{BiCu}_2\text{AsO}_6$. 1999 , 284, 99-103	20
1491	Magnetic and thermal properties of vanadium phosphates hydrates $\text{MII}(\text{VOPO}_4)_2 \cdot 4\text{H}_2\text{O}$ (MII=Ca ²⁺ , Ba ²⁺ and Cd ²⁺). 1999 , 285, 89-97	7
1490	Synthesis, structure, and electronic properties of Cu_2SiQ_3 (Q=S, Se). 1999 , 290, 91-96	25
1489	⁶ Li, ⁷ Li nuclear magnetic resonance investigation of lithium coordination in binary phosphate glasses. 1999 , 258, 140-154	58
1488	Inorganic/Organic Hybrid Materials: Layered Vanadium Oxides with Interlayer Metal Coordination Complexes. 1999 , 11, 3565-3570	60
1487	Reduced Anionic Mn^{12} Molecules with Half-Integer Ground States as Single-Molecule Magnets. 1999 , 38, 5329-5340	536
1486	Effect of Different Crystal Faces on Experimental Interaction Force and Aggregation of Hematite. 1999 , 15, 8045-8051	159
1485	A Cubane-Substituted Polyoxoanion: Structure and Magnetic Properties of $\text{Cs}_2[\text{H}_2\text{PW}_9\text{Ni}_4\text{O}_{34}(\text{OH})_3(\text{H}_2\text{O})_6] \cdot 5\text{H}_2\text{O}$. 1999 , 38, 2038-2042	64
1484	Metal Oxide Surfaces and Their Interactions with Aqueous Solutions and Microbial Organisms. 1999 , 99, 77-174	882

1483	La ₄ Cu ₃ MoO ₁₂ : A Novel Cuprate with Unusual Magnetism. 1999 , 121, 4787-4792	45
1482	Bonding and charge distribution in isopolyoxometalate ions and relevant oxides—A bond valence approach. 1999 , 129-321	28
1481	A New Ordered Oxygen-Deficient Manganite Perovskite: LaBaMn ₂ O _{5.5} . Crystal and Magnetic Structure. 1999 , 11, 930-938	65
1480	Crystal Structure of Pb ₂ V ₃ O ₉ : Rietveld Refinement and Electron Lone-Pair Localization. The Magnetic Susceptibility of Sr ²⁺ -Substituted Phases. 1999 , 11, 2408-2416	27
1479	Extended Frameworks Encapsulating Facial {MoO ₃ } Units: Syntheses and Structural Characterizations of Ba ₃ (MoO ₃) ₃ (H ₂ O)(AsO ₄) ₂ , SrMoO ₃ HAsO ₄ ·H ₂ O, and Sr(MoO ₂ AsO ₄) ₂ . 1999 , 11, 1876-1882	8
1478	Crystal Structure of Nd ₂ BaCu ₃ O _{7.3} Determined from X-ray and Neutron Powder Diffraction Data. 1999 , 11, 3445-3451	13
1477	Bond Valence Sums in Coordination Chemistry. Sodium-Oxygen Complexes. 1999 , 38, 3926-3930	39
1476	Ti ₂ Nb ₆ O ₁₂ , a Novel Niobium Oxide Cluster Compound with Chevrel Phase-Intercluster Connectivity Type. 1999 , 121, 6827-6833	17
1475	Bond Valence Sums in Coordination Chemistry Using New R(0) Values. Potassium-Oxygen Complexes. 1999 , 38, 1031-1034	15
1474	Synthesis and Structural Characterization of the First Organically Templated Vanadyl(IV) Arsenato- and Phosphato-oxalates: (C ₄ H ₁₂ N ₂)[VO(C ₂ O ₄)HXO ₄] (X = As, P). 1999 , 38, 4183-4187	57
1473	[NH ₃ (CH ₂) ₄ NH ₃] ₂ Fe ₂ [CH ₃ C(OH)(PO ₃)(PO ₃ H)] ₂ ·2H ₂ O: A Novel Iron(II) Diphosphonate with a Supramolecular Open Network Structure. 1999 , 38, 4618-4619	51
1472	Characterization of Na ₅ P ₃ O ₁₀ Polymorphs by ²³ Na MAS, ²³ Na MQMAS, and ³¹ P MAS NMR Spectroscopy. 1999 , 38, 84-92	23
1471	From Molecules to Frameworks: Variable Dimensionality in the UO ₂ (CH ₃ COO) ₂ ·2H ₂ O/HF(aq)/Piperazine System. Syntheses, Structures, and Characterization of Zero-Dimensional (C ₄ N ₂ H ₁₂)UO ₂ F ₄ ·3H ₂ O, One-Dimensional (C ₄ N ₂ H ₁₂) ₂ U ₂ F ₁₂ ·4H ₂ O, Two-Dimensional (C ₄ N ₂ H ₁₂) ₂ (U ₂ O ₄ F ₅) ₄ ·11H ₂ O, and Three-Dimensional (C ₄ N ₂ H ₁₂) ₂ U ₂ O ₄ F ₆ . 1999 , 38, 4981-4985	75
1470	(n-Bu ₄ N) ₂ [(Ni(MeOH) ₂] ₂ {Mo(NO)} ₂ ·(3-OH) ₂ ·(3-OMe) ₄ {Mo ₅ O ₁₃ (OMe) ₄ (NO)} ₂], a New Type of Polyoxometalate Incorporating a Rhomb-like Cluster. 1999 , 38, 4981-4985	9
1469	Synthesis and Structural Characterization of (n-Bu ₄ N) ₃ AuSn ₂ Te ₆ . 1999 , 38, 595-597	8
1468	Syntheses and Characterizations of Four Organically Templated One-Dimensional Molybdenum Compounds including the First Inorganic-Organic Mixed-Anion Structures in the Mo/X/O (X = As, P) System. 1999 , 11, 3588-3594	28
1467	Crystal Structure and Its Role in Electrical Properties of the Perovskite CaPbO ₃ Synthesized at High Pressure. 1999 , 11, 747-753	20
1466	Semiempirical Method for the Evaluation of Bond Covalency in Complex Crystals. 1999 , 103, 4270-4274	54

- 1465 New Inorganic/Organic Hybrid Materials Based on Polyoxovanadates: [Morp]6[VO4?V14O32(OH)6]·2H2O, [Morp]VO3, [HMTA-CH3]4[H2V10O28]·5H2O, and [HMTA-H][HMTA-CH2OH]2[H5V10O28]·6H2O. **1999**, 11, 2339-2349 40
- 1464 A Novel Dimeric Ni-Substituted beta-Keggin Silicotungstate: Structure and Magnetic Properties of K(12)[{beta-SiNi(2)W(10)O(36)(OH)(2)(H(2)O)}(2)].20H(2)O. **1999**, 38, 3670-3675 84
- 1463 New Layered Uranium(VI) Molybdates: Syntheses and Structures of (NH3(CH2)3NH3)(H3O)2(UO2)3(MoO4)5, C(NH2)3(UO2)(OH)(MoO4), (C4H12N2)(UO2)(MoO4)2, and (C5H14N2)(UO2)(MoO4)2·4H2O. **1999**, 38, 271-279 97
- 1462 X-Ray Structural Characterization of [Eu(H2O)8]2[V10O28]·8H2O. **1999**, 72, 1775-1779 6
- 1461 Combining CDIF and PDF information in problem solving: Crystal structure of a corrosion deposit, hexaaquairon(II) trifluoromethanesulfonate. **1999**, 14, 166-170 2
- 1460 Investigation of (Sr4□Ca□)PtO6 using X-ray Rietveld refinement. **1999**, 14, 181-189 2
- 1459 Characterization of LaCrO4 and NdCrO4 by XRD, Raman Spectroscopy, and ab Initio Molecular Orbital Calculations. **2000**, 73, 1197-1203 20
- 1458 Crystal structure of BaBi2Ta2O9. **2000**, 15, 134-138 4
- 1457 Unprecedented crystallization and X-ray crystal structure of racemic N(alpha)-(t-butyloxycarbonyl)-L-L-phenylalanine N-methoxy-N-methylamide. **2000**, 12, 2-6 5
- 1456 . **2000**, 6, 1168-1175 23
- 1455 Fluoride Adsorption on Goethite in Relation to Different Types of Surface Sites. **2000**, 225, 94-104 116
- 1454 Inorganic Ligand Effects on Pb(II) Sorption to Goethite (alpha-FeOOH). **2000**, 225, 466-482 99
- 1453 Adsorption and Precipitation of Aqueous Zn(II) on Alumina Powders. **2000**, 231, 359-372 146
- 1452 Hydrothermal Synthesis, Crystal Structure, and Characterization of Tetrasodium Tricobalt(II)-bis-Phosphate-bis-Hydrogenophosphate Octahydrate, Na4Co3H2(PO4)4·8H2O, with a New Structure Type. **2000**, 149, 292-297 12
- 1451 Octahedral Tilting and Cation Ordering in Perovskite-Like Ca4Nb2O9=3□a(Ca1/3Nb2/3)O3 Polymorphs. **2000**, 150, 43-61 38
- 1450 Reinvestigation of the LuFeO3(ZnO)m Homologous Series: Insights from Charge Distribution Analysis on the Effect of the Coordination Polyhedra Shape on the Cation Distribution. **2000**, 150, 96-103 7
- 1449 Electron Microscopy and Neutron Diffraction Studies on ErBaSrCu3□(PO4)xOy (x=0.0, 0.10, 0.20). **2000**, 150, 188-195 1
- 1448 A Hybrid Open-Framework Aluminum Phosphate-Oxalate Possessing Large Circular 12-Membered Channels. **2000**, 150, 324-329 33

- 1447 Structural Studies of the Metal-Nonmetal Transition in Ru Pyrochlores. **2000**, 151, 25-30 18
- 1446 Phase Transition in Cs₂KMnF₆: Crystal Structures of Low- and High-Temperature Modifications. **2000**, 150, 399-403 9
- 1445 Crystal Structure of SrAl₂B₂O₇ and Eu²⁺ Luminescence. **2000**, 150, 404-409 67
- 1444 Hydrothermal Synthesis and Structural Characterization of a Novel Hydroxo Stannate: Sr₂Sn(OH)₈. **2000**, 151, 56-60 18
- 1443 Isolation of a Zinc Phosphate Primary Building Unit, [C₆N₂H₁₈]₂⁺[Zn(HPO₄)(H₂PO₄)₂]₂⁻ and Its Transformation to an Open-Framework Phosphate, [C₆N₂H₁₈]₂⁺[Zn₃(H₂O)₄(HPO₄)₄]₂⁻. **2000**, 150, 417-422 61
- 1442 Crystal Structure of Pb₅Bi₁₈P₄₀O₄₂: A Fluorite-Related Superstructure. **2000**, 151, 181-189 17
- 1441 Order-Disorder and Mobility of Li⁺ in the β - and β' -LiZr₂(PO₄)₃ Ionic Conductors: A Neutron Diffraction Study. **2000**, 152, 340-347 39
- 1440 Building Open-Framework Metal Phosphates from Amine Phosphates and a Monomeric Four-Membered Ring Phosphate. **2000**, 152, 302-321 50
- 1439 Crystal Structure of Na₂ZnP₂O₇: Reinvestigation. **2000**, 152, 466-473 44
- 1438 Synthesis and Crystal Structure of Ni(VO₃)₂·4H₂O and β -Ni(VO₃)₂·2H₂O. **2000**, 152, 511-516 8
- 1437 Synthesis, Crystal Structure, and Physical Properties of Sr_{0.93}(SixNb_{1-x})Nb₁₀O₁₉ (x=0.87). **2000**, 152, 540-545 1
- 1436 X-Ray Diffraction Studies of 2212-Type Superconductors in the Tl_{1-x}G_xBa_{1-x}Br_{1-x}Ta_{1-x}O₁₀ System. **2000**, 153, 106-117 2
- 1435 Polymorphism of Strontium Monogallate: The Framework Structures of β -SrGa₂O₄ and ABW-Type β -SrGa₂O₄. **2000**, 153, 294-300 27
- 1434 On the Existence of Bi₆.67O₄(XO₄)₄ and PbBi₆O₄(XO₄)₄ (X=P, V, and As). **2000**, 154, 435-443 12
- 1433 A Three-Dimensional Iron(III) Phosphate, [C₂N₂H₁₀]₂⁺[Fe₅F₄(PO₄)(HPO₄)₆]₂⁻. **2000**, 154, 507-513 23
- 1432 Quantification of the Interlayer Charge Transfer, via Bond Valence Calculation, in 2D Misfit Compounds: The Case of (Pb(Mn, Nb)_{0.5}S_{1.5})₁.15NbS₂. **2000**, 155, 1-8 9
- 1431 Synthesis and Characterization of Organically Templated Metal Arsenates with a Layer Structure: [NH₃(CH₂)₃NH₃]_{0.5}[M(OH)AsO₄] (M=Ga, Fe). **2000**, 155, 37-41 18
- 1430 Layered Cobalt Phosphates by the Amine Phosphate Route. **2000**, 155, 62-70 25

1429	The Structure and Luminescent Properties of $\text{TlZn}(\text{PO}_3)_3$. 2000 , 154, 584-590	7
1428	The Stuffed Framework Structure of BaGa_2O_4 . 2000 , 154, 612-618	31
1427	Synthesis, Crystal Structure, and Comparison of Two New Uranyl Vanadate Layered Compounds: $\text{M}_6(\text{UO}_2)_5(\text{VO}_4)_2\text{O}_5$ with $\text{M}=\text{Na}, \text{K}$. 2000 , 155, 342-353	41
1426	Synthesis and Neutron Diffraction Study of $\text{La}_5\text{Si}_2\text{BO}_{13}$, an Analog of the Apatite Mineral. 2000 , 155, 389-393	29
1425	$\text{La}_7\text{Ru}_3\text{O}_{18}$ and $\text{La}_{4.87}\text{Ru}_2\text{O}_{12}$: Geometric Frustration in Two Closely Related Structures with Isolated RuO_6 Octahedra. 2000 , 155, 189-197	15
1424	Synthesis and Structure of $\text{Sb}_5\text{PO}_{10}$, a New Phosphate of Antimony(III). 2000 , 155, 451-454	9
1423	$[\text{PtIn}_6]^{10+}$ -Oktaeder in $\text{PtIn}_7\text{F}_{13}$: die erste Verbindung einer neuen Klasse von Metallcluster-Fluoriden. 2000 , 112, 2077-2079	17
1422	Controlled Assembly of Polyoxometalate Chains from Lacunary Building Blocks and Lanthanide-Cation Linkers. 2000 , 112, 3036-3038	53
1421	Über die Wechselwirkung zwischen abgeschlossenen Schalen, polare Kovalenz, Lücken in d-Schalen und die direkte Abbildung von Orbitalen: der Fall Cuprit. 2000 , 112, 3947-3950	4
1420	Controlled Assembly of Polyoxometalate Chains from Lacunary Building Blocks and Lanthanide-Cation Linkers Supported in part by the National Science Foundation (CHE9727417) and Georgetown University. 2000 , 39, 2914-2916	314
1419	On Closed-Shell Interactions, Polar Covalences, d Shell Holes, and Direct Images of Orbitals: The Case of Cuprite. 2000 , 39, 3791-3794	14
1418	$\text{Sr}_3(\text{Al}_{0.36}\text{Ga}_{0.64})_2\text{O}_6$ - a new Strontium Aluminum Gallate. 2000 , 35, 1279-1287	2
1417	Hydrothermal synthesis and characterization of metavanadate containing spiral chain: $\text{Ni}(\text{en})_3(\text{VO}_3)_2$. 2000 , 304, 33-37	22
1416	A chromic molybdenum phosphate with a tunnel structure: hydrothermal synthesis and structure of $(\text{NH}_3\text{CH}_2\text{CH}_2\text{NH}_3)_2[(\text{NH}_3\text{CH}_2\text{CH}_2\text{NH}_2)_3[\text{NaCr}_2\text{Mo}_{12}\text{O}_{30}(\text{PO}_4)(\text{HPO}_4)_4(\text{H}_2\text{PO}_4)_3]\cdot 6\text{H}_2\text{O}$. 2000 , 519, 55-59	17
1415	A neutron powder diffraction study on $\text{BaBi}_{0.5}\text{Sb}_{0.5}\text{O}_3$. 2000 , 116, 461-464	25
1414	The structure of intercrystalline interfaces. 2000 , 45, 339-568	85
1413	Location of the superconducting hole condensate in $\text{Sr}_2\text{YRu}_1\text{CuO}_6$ by μSR . 2000 , 289-290, 360-364	17
1412	Chemical pressure for optimizing T_c in a given superconducting system. 2000 , 337, 195-199	18

1411	Oxygen non-stoichiometry and hole distribution in multi-layered copper oxides: understanding of the magnetic-irreversibility characteristics. 2000 , 338, 18-24	10
1410	Measurement of charge of Cu and O in YBa ₂ Cu ₃ O _y by energy-filtering convergent-beam electron diffraction. 2000 , 338, 137-143	5
1409	(Hg,Pb)(Ba,Sr) ₂ Ca ₂ Cu ₃ O _{8+z} single crystals: Influence of Sr substitutions on structure, hole concentration in CuO ₂ planes and irreversibility line. 2000 , 341-348, 421-424	4
1408	Low-temperature structure and hole localization in a one-dimensional chain-ladder composite material Sr _{0.4} Ca _{13.6} Cu ₂₄ yO _{41+z} . 2000 , 341-348, 465-466	1
1407	Oxygen-content dependence of crystal structure and T _c of (Nd _{0.675} Ce _{0.325}) ₂ (Ba _{0.664} Nd _{0.336}) ₂ Cu ₃ . ₀₀ O _y . 2000 , 329, 29-36	5
1406	The building block approach to the synthesis of polyoxotrisalkoxometalates. 2000 , 3, 147-155	0
1405	Un nouveau dimère hétéropolytungstique [(SiW ₁₀ O ₃₇) ₂ Fe ₄ (OH) ₄] ₁₂ formé par la réunion par deux ponts hydroxo de deux unités SiW ₁₀ Fe ₂ O ₃₉ . Synthèse et structure de son sel de rubidium. 2000 , 3, 101-105	
1404	A large heteropolytungstotetracerate(III) based on a new divacant lacunary derivative of the Wells-Dawson tungstophosphate anion. 2000 , 3, 199-204	4
1403	Synthesis, thermal behaviour and crystal structure of RbSrP ₃ O ₉ ·3H ₂ O. 2000 , 3, 693-701	3
1402	Layered aluminophosphates III. Crystal structure and thermal properties of the novel layered aluminophosphate UiO-18. 2000 , 38, 311-321	11
1401	The synthesis and crystal structure of two novel 3D open-framework zinc phosphates UiO-21 and UiO-22. 2000 , 39, 341-350	26
1400	Novel self-assembled decavanadate clusters forming 1D molecular chains and 2D molecular arrays: [HMTA-H ₄ H ₂ O][HMTA-CH ₂ OH][H ₃ V ₁₀ O ₂₈ {Na(H ₂ O) ₄ }] ₄ ·4H ₂ O and [Na ₂ (H ₂ O) ₁₀][H ₃ V ₁₀ O ₂₈ {Na(H ₂ O) ₂ }] ₃ ·3H ₂ O. 2000 , 3, 237-250	29
1399	Hydrothermal syntheses, structures and magnetic properties of coordination cation metavanadates, Cu(tn) ₂ (VO ₃) ₂ and Ni(NH ₃) ₂ (VO ₃) ₂ . 2000 , 19, 2521-2527	27
1398	Specific structural features of 1-hydroxyethane-1,1-siphosphonic acid (HEDP) and its salts with organic and alkali-metal cations. 2000 , 45, 64-70	6
1397	Effect of heat treatment on photoluminescence behavior of Zn ₂ SiO ₄ :Mn phosphors. 2000 , 20, 1043-1051	39
1396	Simulating the oxygen K-edge spectrum from grain boundaries in ceramic oxides using the multiple scattering methodology. 2000 , 31, 381-99	21
1395	Hydrothermal synthesis of [Ba ₃ Cl ₂][Sn ₃ O ₄ (OH) ₈], a compound with alternating ionic and covalent layers. 2000 , 3, 99-101	1
1394	A porous organo-ceramic solid with cyclo-tetranavanadate units, [H ₂ pn][Mn ₂ (C ₂ O ₄)(V ₄ O ₁₂)]. 2000 , 3, 420-423	21

- 1393 A highly nuclear vanadium-containing tungstobismutate: synthesis and crystal structure of $K_{11}H[(BiW_9O_{33})_3Bi_6(OH)_3(H_2O)_3V_4O_{10}] \cdot 25 H_2O$. **2000**, 3, 579-584 48
- 1392 Hydrothermal synthesis and crystal structure of the first layered iron molybdate $KH_3FeI_2MoVI_2O_{10}$. **2000**, 3, 697-699 9
- 1391 Hydrothermal synthesis and crystal structure of an As(III)?Mo(V)?O cluster decorated with Cu(II)-en groups. **2000**, 298, 235-238 7
- 1390 Monoorganotin polyoxometal compounds. **2000**, 598, 381-386 11
- 1389 Molecular structure, characterization and magnetic properties of novel mixed-valence copper(I,II) μ_2 -unsaturated carboxylate complexes with triphenylphosphine and methanol ligands. **2000**, 19, 891-898 24
- 1388 Oxygen Position, Octahedral Distortion, and Bond-Valence Parameter from Bond Lengths in $Ti_{1-x}Sn_xO_2$ (0 x 1). **2000**, 83, 3205-3207 31
- 1387 Three-dimensional open-framework CoII and ZnII phosphates synthesized via the amine phosphate route. **2000**, 2, 87-98 23
- 1386 Crystal structure of $(V_{0.94}Co_{0.46})[PO_4(OH)_{0.74}(OH_2)_{0.26}]$: a mixed-valence phosphate related to the mineral caminite and the synthetic lipscombite. **2000**, 2, 135-141 6
- 1385 Organo-directed synthesis of a 3-D open-framework mixed-metal oxide, $[enH_2][Mn_3(V_2O_7)_2(H_2O)_2]$, incorporating metal trimer building blocks. **2000**, 2, 47-55 13
- 1384 The crystal structure of eulytite $Na_3Bi_5(PO_4)_6$. **2000**, 2, 243-247 18
- 1383 Synthesis and crystal structure of the hydrated magnesium diphosphate $Mg_2P_2O_7 \cdot 3.5H_2O$ and its high temperature variant $Mg_2P_2O_7 \cdot H_2O$. **2000**, 2, 205-214 18
- 1382 Critical comparison of equations correlating valence and length of a chemical bond. Evaluation of the parameters R1 and B for the Mo?O bond in MoO_6 octahedra. **2000**, 2, 385-389 16
- 1381 Inorganic hybrid open-framework structures: synthesis and structure of a cobalt phosphate-oxalate, $[C_4N_2H_{12}]_{0.5}[Co_2(HPO_4)(C_2O_4)_{1.5}]$. **2000**, 2, 365-372 36
- 1380 The direct synthesis and characterization of the pillared layer indium phosphate $Na_4[In_8(HPO_4)_{14}(H_2O)_6] \cdot 12(H_2O)$. **2000**, 35, 1007-1015 12
- 1379 Cation-deficient perovskite-related compounds $(Ba,La)_nTi_nO_{3n}$ (n = 4, 5, and 6): a Rietveld refinement from neutron powder diffraction data. **2000**, 35, 1603-1614 44
- 1378 Structure of the hydrated α - Al_2O_3 (0001) surface. **2000**, 288, 1029-33 465
- 1377 Major changes in copper coordination accompany reduction of peptidylglycine monooxygenase: implications for electron transfer and the catalytic mechanism. **2000**, 5, 341-53 90
- 1376 Valence state of cobalt atoms and crystal structure of $YBa_2Cu_3 \square - Co_xO_{6+\square}$ solid solution. **2000**, 41, 626-631 2

- 1375 A new type of mixed framework in the crystal structure of binary molybdate $\text{Nd}_2\text{Zr}_3(\text{MoO}_4)_9$. **2000**, 41, 280-284 16
- 1374 Correlation between T_c and the structural parameters of the cation sublattice in the perovskite layer of $\text{HgBa}_2\text{CuO}_4 + \delta$ and $\text{Tl}_2\text{Ba}_2\text{CuO}_4 + \delta$. **2000**, 36, 919-928 4
- 1373 XPS and X-ray AES(XAES) Study of Various Aluminate Compounds.. **2000**, 21, 481-487 17
- 1372 Crystal structure of the monoclinic perovskite $\text{Sr}_{3.94}\text{Ca}_{1.31}\text{Bi}_{2.70}\text{O}_{12}$. **2000**, 15, 227-233 3
- 1371 Determination of conduction paths of semiconducting electrons by bond-valence calculations. **2000**, 215, 381-383 8
- 1370 The crystal structure of faustite and its copper analogue turquoise. **2000**, 64, 905-913 17
- 1369 Structural changes with lead substitution in $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_2\text{CoO}_6$. **2000**, 12, 5371-5389 5
- 1368 Chemical Reactions within Fe/AlN Layered Nanocomposites: A Simulation Study based on Crystal-Chemical Atomic Dynamics. **2000**, 39, 3326-3329 5
- 1367 Low-temperature crystal and magnetic structures of the chain-ladder composite material $\text{Sr}_{0.4}\text{Ca}_{13.6}\text{Cu}_{24+y}\text{O}_{41+z}$: Hole redistribution and antiferromagnetic order. **2000**, 62, 11667-11676 29
- 1366 Photoemission study of electronic states in $\text{HgBa}_2\text{CuO}_4 + \delta$ with various doping levels. **2000**, 62, 615-621 5
- 1365 Pressure effect on T_c for the rare-earth series $\text{RBa}_2\text{Cu}_3\text{O}_{7-\delta}$. **2000**, 61, 3691-3698 18
- 1364 Particle-hole doping asymmetry in $\text{Pb}_2\text{Sr}_2\text{YCu}_3\text{O}_8$ -class superconductors. **2000**, 62, 9050-9053 6
- 1363 Oxygen content, thermodynamic stability, and superconductivity of $\text{Hg}_{1-x}\text{R}_x\text{Ba}_2\text{CuO}_4 + \delta$. **2000**, 63, 9 9
- 1362 Bond valence sums in coordination chemistry. Calculation of the oxidation state of chromium in complexes containing only Cr-O bonds and a redetermination of the crystal structure of potassium tetra(peroxo)chromate(V). **2000**, 39, 2065-8 41
- 1361 Hydrated neodymium(III) and europium(III) picrate complexes with pyrazine-N-oxide. **2000**, 303-304, 116-120 8
- 1360 Synthesis, characterization and structure of lanthanide nitrate complexes with 2-azacyclononanone (AZA). **2000**, 303-304, 168-172 5
- 1359 Crystal structure of $\text{Nb}_2\text{Te}_4\text{O}_{13}$. **2000**, 306, 175-185 19
- 1358 Magnetic order and crystal fields in the Pnma phases of Tm_2BaTO_5 (T=Co and Ni). **2000**, 307, 70-76 6

- 1357 A layered aluminum phosphate, $[C_2N_2H_{10}][Al_2(OH)_2H_2O(PO_4)_2]H_2O$, by the amine phosphate route. **2000**, 2, 87-94 10
- 1356 A new three-dimensional open-framework iron(III) phosphate, $[C_2N_2H_{10}][Fe_2(HPO_4)_4]$. **2000**, 2, 217-223 12
- 1355 Structural phase transitions and negative thermal expansion in $Sc_2(MoO_4)_3$. **2000**, 2, 143-151 138
- 1354 Nd substitution effects in $YBa_2Cu_4O_8$ prepared using a conversion reaction from $Y_{1-x}Nd_xBa_2Cu_3O_7$ and CuO . **2000**, 2, 269-276 2
- 1353 Synthesis and structure of $Bi_2CaV_2O_9$. **2000**, 2, 375-377 6
- 1352 High-temperature in situ neutron powder diffraction study of monoclinic $Tl_2Ba_2CuO_6$. **2000**, 2, 533-541
- 1351 Synthesis and structure of two new bismuth cadmium vanadates, $BiCdVO_5$ and $BiCd_2VO_6$, and structures of $BiCa_2AsO_6$ and $BiMg_2PO_6$. **2000**, 2, 543-550 22
- 1350 Hole-doping routes for understanding the relationship between atomic arrangements and superconductivity properties in multi-layered copper oxides. **2000**, 2, 589-599 22
- 1349 Crystal structure of the ferroelectric mixed Aurivillius phase $Bi_7Ti_4NbO_{21}$. **2000**, 2, 397-406 36
- 1348 Calculating the acidity of silanols and related oxyacids in aqueous solution. **2000**, 64, 4097-4113 59
- 1347 Crystal Chemical Aspects of Vanadium: Polyhedral Geometries, Characteristic Bond Valences, and Polymerization of (VO_n) Polyhedra. **2000**, 12, 1248-1259 197
- 1346 A Powder Neutron Diffraction Investigation of the Two Rhombohedral NASICON Analogues: $Na_3Fe_2(PO_4)_3$ and $Li_3Fe_2(PO_4)_3$. **2000**, 12, 525-532 145
- 1345 Silver Ion-Exchanged Zeolites Y, X, and Low-Silica X: Observations of Thermally Induced Cation/Cluster Migration and the Resulting Effects on the Equilibrium Adsorption of Nitrogen. **2000**, 12, 3020-3031 74
- 1344 Organo-Directed Synthesis of Manganese Vanadates with Variable Stoichiometry and Dimensionality: 1-D $[(H_2en)_2Mn(VO_3)_4]$, 2-D $[H_2en]_2[Mn(VO_3)_6]$, and 3-D $[H_2en][MnF(VO_3)_3]$. **2000**, 12, 2070-2072 32
- 1343 Fluoride ion donor properties of TcO_2F_3 and ReO_2F_3 : X-ray crystal structures of $MO_2F_3.SbF_5$ (M = Tc, Re) and $TcO_2F_3.XeO_2F_2$ and Raman and NMR spectroscopic characterization of $MO_2F_3.PnF_5$ (Pn = As, Sb), $[ReO_2F_2(CH_3CN)_2][SbF_6]$, and $[Re_2O_4F_5][Sb_2F_{11}]$. **2000**, 39, 2473-87 29
- 1342 Syntheses and Structures of $TcOF_5$ and the $Tc_2O_2F_9^+$ Cation and Formation of the $TcOF_4^+$ Cation in Solution. **2000**, 39, 4494-4509 20
- 1341 Sandwich-type silicotungstates: structure and magnetic properties of the dimeric polyoxoanions $[(SiM_2W_9O_{34}(H_2O))_2]^{12-}$ (M = Mn^{2+} , Cu^{2+} , Zn^{2+}). **2000**, 39, 2915-22 139
- 1340 Structural and magnetic properties of the colossal magnetoresistance perovskite $La_{0.85}Ca_{0.15}MnO_3$. **2000**, 61, 8941-8949 43

1339	Hydrothermal Syntheses and X-ray Crystal Structures of Three Inorganic/Organic Hybrid Materials in a Copper Vanadium Phosphate Family: $\text{CuL}(\text{VO}_2)(\text{PO}_4)$ ($L = 4,4\text{-bipy}, 1,10\text{-phen}, 2,2\text{-bipy}$). 2000 , 12, 2930-2935	57
1338	Magnetism and charge ordering in $\text{Pr}_{0.5}\text{Ca}_x\text{Sr}_{0.5-x}\text{MnO}_3$ ($x=0.09$ and 0.5). 2000 , 61, 1181-1188	138
1337	Polyoxometalate-diphosphate complexes. 5. Cigar-shaped 30-molybdobispyrophosphate: structure of $(\text{N}(\text{C}_4\text{H}_9)_4)_2\text{H}$. 2000 , 39, 623-4	45
1336	Low-Temperature Oxygen Migration and Negative Thermal Expansion in $\text{ZrW}_2\text{-xMoxO}_8$. 2000 , 122, 8694-8699	79
1335	Structural influences of organonitrogen ligands on vanadium oxide solids. Hydrothermal syntheses and structures of the terpyridine vanadates $[\text{V}_2\text{O}_4(\text{terpy})_2]_3[\text{V}_{10}\text{O}_{28}]$, $[\text{VO}_2(\text{terpy})][\text{V}_4\text{O}_{10}]$, and $[\text{V}_9\text{O}_{22}(\text{terpy})_3]$. 2000 , 39, 3252-60	98
1334	Single-molecule magnets: a new class of tetranuclear manganese magnets. 2000 , 39, 3615-23	219
1333	NO-Anion Trapped in a Molecular Oxide Bowl. 2000 , 122, 1239-1240	37
1332	Organotin derivatives of $\alpha\text{-}[\text{XIIIW}_9\text{O}_{33}]_9\text{-}$ ($X = \text{As}, \text{Sb}$) heteropolytungstates. Solution- and solid-state characterization of $[(\text{C}_6\text{H}_5\text{Sn})_2\text{O}]_2\text{H}(\alpha\text{-AsW}_9\text{O}_{33})_2]_9\text{-}$ and $[(\text{C}_6\text{H}_5\text{Sn})_3\text{Na}_3(\alpha\text{-SbW}_9\text{O}_{33})_2]_6\text{-}$. 2000 , 39, 939-43	85
1331	Solid-State ^{23}Na Nuclear Magnetic Resonance of Sodium Complexes with Crown Ethers, Cryptands, and Naturally Occurring Antibiotic Ionophores: A Direct Probe to the Sodium-Binding Sites. 2000 , 104, 11844-11852	41
1330	Characterization of divalent metal metavanadates by 51V magic-angle spinning NMR spectroscopy of the central and satellite transitions. 2000 , 39, 2135-45	52
1329	New rubidium zinc hydrogen phosphate, $\text{Rb}_2\text{Zn}_2(\text{HPO}_4)_3$: synthesis, crystal structure, and 31P single-crystal NMR. 2000 , 39, 2026-32	8
1328	Synthesis and structure of $(\text{H}_3\text{NC}_2\text{H}_4\text{NH}_3)_2\text{Co}_7(\text{PO}_4)_6$: a novel open framework cobalt phosphate. 2000 , 39, 4985-8	20
1327	Nonaqueous Synthesis and Characterization of a Novel Layered Zirconium Phosphate Templated with Mixed Organic and Inorganic Cations. 2000 , 12, 956-960	39
1326	Density Functional Theory Calculation and X-ray Absorption Spectroscopy Studies of Structure of Vanadium-Containing Aluminophosphate VAPO-5. 2000 , 104, 4195-4203	14
1325	Synthesis and Crystal Structure of the Organically Templated Open Framework Magnesium Phosphate UiO-20 with DTF Topology. 2000 , 12, 1095-1099	21
1324	The structure-directing properties of $[\text{VOF}_5]_2\text{-}$. 2000 , 39, 3946-7	66
1323	Hydrothermal synthesis and magnetic behavior of a novel layered coordination polymer generated from manganese(II) adipate. 2000 , 39, 1470-5	124
1322	Synthesis, Crystal Structure, and Solid-State NMR Spectroscopy of $\text{K}_2[\text{Ga}_4(\text{C}_2\text{O}_4)(\text{PO}_4)_4]\cdot 2\text{H}_2\text{O}$, a New Gallium Phosphatooxalate with an Intersecting Tunnel Structure. 2000 , 12, 2411-2417	33

- 1321 Hydrothermal synthesis of $(C_6N_2H_{14})_2(UVI_2UIVO_4F_{12})$, a mixed-valent one-dimensional uranium oxyfluoride. **2000**, 39, 3791-8 62
- 1320 Three-dimensional open-framework cobalt(II) phosphates by novel routes. **2000**, 39, 1426-33 85
- 1319 Novel gallium phosphate framework encapsulating trinuclear $Mn_3(H_2O)_6O_8$ cluster: hydrothermal synthesis and characterization of $Mn_3(H_2O)_6Ga_4(PO_4)_6$. **2000**, 39, 1773-8 39
- 1318 Formation of one-, two-, and three-dimensional open-framework zinc phosphates in the presence of a tetramine. **2000**, 39, 4295-304 100
- 1317 Synthesis and characterization of $(R-C_5H_{14}N_2)_2[Ga_4(C_2O_4)(H_2PO_4)_2(PO_4)_4] \cdot 2H_2O$, a layered gallium phosphatooxalate containing a chiral amine. **2000**, 39, 3374-8 46
- 1316 Exploration of a Simple Universal Route to the Myriad of Open-Framework Metal Phosphates. **2000**, 122, 2810-2817 173
- 1315 Structural, magnetic, and ion-exchange properties of a new layered alkaline/alkaline earth iron phosphate: $NaBaFe_4(HPO_4)_3(PO_4)_3 \cdot H_2O$. **2000**, 39, 5663-8 5
- 1314 Three-Dimensional Zinc Phosphates with Open Architectures. **2000**, 12, 2753-2762 34
- 1313 Structural Properties and Interlayer Interaction in $(MX)_xTX_2$ -Type Ternary Chalcogenides with Layered Composite Crystal Structure. **2000**, 341, 81-86 1
- 1312 Hydrothermal Synthesis and Characterization of Two New Microporous Zinc-Substituted Gallium Phosphates Templated by Diaminocyclohexane: $(H_2DACH)_2[Zn_4Ga_2(HPO_4)_3(PO_4)_4]$ and $(H_2DACH)[Zn_2Ga_2(PO_4)_4]$. **2000**, 12, 3617-3623 19
- 1311 Synthesis and Structure of 12-Member Ring Crown-Shaped Oxovanadium Borophosphate Polyanions: $[H_3NC_2H_4NH_2C_2H_4NH_2C_2H_4NH_3]_4H[M(VO)_2\{O_3POB(O)_2OPO_3\}_6] \cdot nH_2O$ ($M = NH_4^+, K^+$). **2000**, 12, 2550-2556 22
- 1310 Structure of molecular adducts of inorganic salts. VIII. Thiourea complexes of cadmium nitrate. **2000**, 215, 8
- 1309 Crystal structure of a new vanadium(IV) diphosphate: VP_2O_7 , prepared by lithium extraction from $LiVP_2O_7$. **2001**, 3, 881-887 27
- 1308 Hydrothermal synthesis and structural characterization of a coordination polymer containing heptanuclear $Co_7(\mu_3-OH)_8$ clusters. **2001**, 40, 3237-9 49
- 1307 Synthesis and characterization of non-centrosymmetric $TeSeO_4$. **2001**, 40, 1172-5 53
- 1306 An alkali metal-crown ether complex supported by a Keggin anion through the three terminal oxygen atoms in a single M_3O_{13} triplet: synthesis and characterization of $[[Na(\text{dibenzo-18-crown-6})(MeCN)]_3[PMo_{12}O_{40}]]$. **2001**, 40, 5468-71 85
- 1305 Hydrothermal Synthesis, Structure, and Magnetic Properties of a Layered Organically Templated Uranium Aquofluoride: $[C_5H_{14}N_2][U_2F_{10}(H_2O)]$. **2001**, 40, 886-890 41
- 1304 New Tellurites: Syntheses, Structures, and Characterization of $K_2Te_4O_9 \cdot 3.2H_2O$, $KGaTe_6O_{14}$, and $KGaTe_2O_6 \cdot 1.8H_2O$. **2001**, 13, 4278-4284 47

1303	Three-Dimensional Yttrium Oxalates Possessing Large Channels. 2001 , 13, 185-191	71
1302	Structural Relationships, Interconversion, and Optical Properties of the Uranyl Iodates, $\text{UO}_2(\text{IO}_3)_2$ and $\text{UO}_2(\text{IO}_3)_2(\text{H}_2\text{O})$: A Comparison of Reactions under Mild and Supercritical Conditions. 2001 , 13, 1266-1272	104
1301	^{59}Co and ^6Li MAS NMR in Polytypes O2 and O3 of LiCoO_2 . 2001 , 105, 4166-4174	34
1300	Crystal Structure of $\text{Bi}_{2.5}\text{Me}_{0.5}\text{Nb}_2\text{O}_9$ (Me=Na, K): A Powder Neutron Diffraction Study. 2001 , 157, 160-165	20
1299	Crystal structures of the microporous compounds $\text{M}_6(\text{V}_2\text{O}_3)_2(\text{VO})_2(\text{PO}_4)_4(\text{HyP}_2\text{V}_x\text{O}_7)$ with $\text{M}=\text{K}^+, \text{Tl}^+$. 2001 , 3, 341-345	4
1298	Phase relations in the $\text{MgO}-\text{Ca}_2\text{O}_3\text{B}_2\text{O}_3$ system and the crystal structure of MgGaBO_4 . 2001 , 319, 247-252	16
1297	Complexes of lanthanide picrates with 1,4-pyrazine-dioxide. 2001 , 323-324, 22-25	7
1296	A structural study of $\text{Ca}_3\text{La}_3(\text{BO}_3)_5$. 2001 , 327, 96-99	21
1295	Synthesis and crystal structure of a new compound: CaGaBO_4 . 2001 , 327, 215-219	14
1294	Phase relations in the system $\text{Y}_2\text{O}_3-\text{CaO}-\text{B}_2\text{O}_3$. 2001 , 327, 132-135	19
1293	Calculation of the electric field gradients at 'tricluster'-like O atoms in the polymorphs of Al_2SiO_5 and in aluminosilicate molecules: models for tricluster O atoms in glasses. 2001 , 286, 187-199	27
1292	The structure of $\text{Na}_2\text{O}-\text{Al}_2\text{O}_3-\text{Bi}_2\text{O}_3$ glass: impact on sodium ion exchange in H_2O and D_2O . 2001 , 296, 10-26	124
1291	Dependence of microwave dielectric properties on bond valence in $(\text{Pb}_{1-x}\text{Ca}_x)(\text{Fe}_{0.5}\text{Nb}_{0.5})\text{O}_3$ ceramics. 2001 , 262, 275-280	3
1290	A new polyantimonate with an $\text{Sb}(4)\text{O}(16)$ core. 2001 , 40, 2634-5	9
1289	$\text{Yb}_9\text{Zn}_4\text{Bi}_9$: extension of the Zintl concept to the mixed-valent spectator cations. 2001 , 123, 12704-5	28
1288	Excision of uranium oxide chains and ribbons in the novel one-dimensional uranyl iodates $\text{K}(2)[(\text{UO}(2))_3(\text{IO}(3))(4)\text{O}(2)]$ and $\text{Ba}[(\text{UO}(2)_2(\text{IO}(3))(2)\text{O}(2))(\text{H}(2)\text{O})]$. 2001 , 40, 3959-63	74
1287	Local Perturbation in Bi_2CuO_4 : Hydrothermal Synthesis, Crystal Structure, and Characterization of the New $\text{Bi}_2(\text{Cu}_{1-2x}\text{M}_x)\text{O}_4$ ($\text{M} = \text{Bi}, \text{Pb}$). 2001 , 13, 543-551	30
1286	Hydrothermal synthesis of an iron(II) dicarboxylate. 2001 , 20, 99-107	2

- 1285 Synthesis and characterization of fluorinated metal arsenates with a layer structure: $(\text{C}_4\text{H}_{12}\text{N}_2)(1.5)[\text{M}_3\text{F}_5(\text{HAsO}_4)_2(\text{AsO}_4)]$ (M = Fe, Ga). **2001**, 40, 5381-4 27
- 1284 On the origin of the square root of (7) x square root of (7) superstructure and the anomalous magnetic and transport properties of the layered compound $\text{Sr}(6)\text{V}(9)\text{S}(22)\text{O}(2)$. **2001**, 40, 2898-904 15
- 1283 Sorption of Trace Elements on Mineral Surfaces: Modern Perspectives from Spectroscopic Studies, and Comments on Sorption in the Marine Environment. **2001**, 43, 963-1073 181
- 1282 $\text{Mn}_2(\text{H}_2\text{O})[\text{O}_2\text{C}(\text{CH}_2)_n\text{CO}_2]_2$ (n = 3-12): Replication of an Inorganic Monolayer in Three-Dimensional (Dicarboxylato)manganese(II). **2001**, 13, 2684-2690 95
- 1281 High-Temperature Synthesis of Two New Aluminophosphates, $\text{NaRb}_2\text{Al}_2(\text{PO}_4)_3$ and $\text{NaCs}_2\text{Al}(\text{PO}_4)_2$, in Molten Alkali Metal Chloride Media. **2001**, 13, 1794-1799 10
- 1280 Synthesis and structural characterization of $\text{Zn}(\text{O}_3\text{PCH}_2\text{OH})$, a new microporous zinc phosphonate. **2001**, 40, 1477-81 53
- 1279 Novel, trimeric Mn-substituted undecatungstosilicate, $[(\beta\text{-}2\text{-SiW}_{11}\text{MnO}_{38}\text{OH})_3]^{15-}$. **2001**, 40, 815-7 85
- 1278 $[(1S,2S)\text{-H}_2\text{DACH}][\text{Ga}_2(1S,2S\text{-DACH})(\text{HPO}_4)\text{-}(\text{PO}_4)_2]$: a layered chiral gallophosphate containing chiral ligand and chiral template. **2001**, 40, 2918-21 36
- 1277 A new oxoanion: $[\text{IO}_3]^{3-}$ containing I(V) with a stereochemically active lone-pair in the silver uranyl iodate tetraoxoiodate(V), $\text{Ag}_4(\text{UO}_2)_4(\text{IO}_3)_2(\text{IO}_4)_2\text{O}_2$. **2001**, 123, 8806-10 80
- 1276 Poly(tetrafluoroethylene) Impregnation for Ion-Exchange Reactions with Layered Ce(IV) Fluorides. **2001**, 13, 4399-4401 8
- 1275 Structure of $\text{NaBi}_3\text{V}_2\text{O}_{10}$ and Implications for Ionic Conductivity. **2001**, 13, 3825-3826 13
- 1274 Na^+ Complexes with Crown Ethers: Calculation of ^{23}Na NMR Shieldings and Quadrupole Coupling Constants. **2001**, 105, 11060-11066 18
- 1273 Open-Framework Zinc Phosphates with Unusual Architectures. **2001**, 1, 491-499 10
- 1272 Characterization of the zinc sites in cobalamin-independent and cobalamin-dependent methionine synthase using zinc and selenium X-ray absorption spectroscopy. **2001**, 40, 987-93 65
- 1271 The ordered $[\text{WO}_2\text{F}_4]^{2-}$ anion. **2001**, 40, 5479-80 46
- 1270 ^{51}V MAS NMR Investigation of ^{51}V Quadrupole Coupling and Chemical Shift Anisotropy in Divalent Metal Pyrovanadates. **2001**, 105, 420-429 64
- 1269 Crystal Structure of a Helix Layered Silicate Containing Tetramethylammonium Ions in Sodalite-Like Cages. **2001**, 13, 1286-1295 49
- 1268 The Surface Chemistry of Imogolite. **2001**, 49, 73-80 74

- 1267 Effect of bond valence on microwave dielectric properties of $(\text{Pb}_{1-x}\text{Ca}_x)(\text{Mg}_{0.33}\text{Ta}_{0.67})\text{O}_3$ ceramics. **2001**, 16, 817-821 7
- 1266 Crystallographic studies and X-ray diffraction patterns of $\text{Ba}_5\text{R}_8\text{Zn}_4\text{O}_{21}$ by Rietveld refinements. **2001**, 16, 131-143 8
- 1265 Synthesis and Characterization of a New Layered Zinc Phosphate: $(\text{C}_3\text{H}_4\text{N}_2)_3\text{Zn}_4(\text{HPO}_4)(\text{PO}_4)_2$ with Imidazole Coordinating to Zn Atoms. **2001**, 30, 1148-1149 5
- 1264 Synthesis, Characterization and Crystal Structure of the Water-Soluble, All-Inorganic Composition, A_xKeggin Triniobium(V)-Substituted Polyoxotungstate. **2001**, 30, 1278-1279 4
- 1263 The First Mixed-Valence $\text{Co}^{\text{II}}\text{Co}^{\text{III}}$ One-dimensional Chain Coordination Polymer: Synthesis and Structure of $[\text{Co}^{\text{II}}_2\text{Co}^{\text{III}}(\text{nta})_2(\text{azpy})_4(\text{H}_2\text{O})_6]_n \cdot [\text{Co}^{\text{II}}\text{Co}^{\text{III}}(\text{nta})_2(\text{azpy})_2(\text{H}_2\text{O})_2]_m \cdot 4\text{H}_2\text{O}$ ($\text{nta}=\text{Nitrilotriacetate}$ and $\text{azpy}=4,4'$ -Azobispyridine). **2001**, 30, 214-215 9
- 1262 $\text{Sr}_3\text{Ga}_4\text{O}_9$ is a strontium gallate with a new type of tetrahedral layer structure. **2001**, 216, 210-214 10
- 1261 Chapter 195 Oxygen nonstoichiometry and lattice effects in $\text{YBa}_2\text{Cu}_3\text{O}_x$. **2001**, 1-186 1
- 1260 Crystal structure of kristiansenite: a case of class IIB twinning by metric merohedry. **2001**, 216, 11-12 11
- 1259 Extended bond-valence model as a tool for designing topology of inorganic crystal structures. **2001**, 216, 10-21 5
- 1258 Neutron diffraction, synchrotron radiation and EXAFS spectroscopy study of crystal structure peculiarities of the lanthanum nickelates $\text{La}_{n+1}\text{Ni}_n\text{O}_y$ ($n=1,2,3$). **2001**, 470, 202-209 31
- 1257 A third isolated oxidation state for the family of $[\text{Mn}_{12}\text{O}_{12}(\text{O}_2\text{CR})_{16}(\text{H}_2\text{O})_4]$ compounds. Synthesis, characterization and single-molecule magnetism properties of $(\text{PPh}_4)_2[\text{Mn}_{12}\text{O}_{12}(\text{O}_2\text{CR})_{16}(\text{H}_2\text{O})_x]$ ($x=3$ or 4). **2001**, 20, 1279-1283 38
- 1256 Synthesis, characterization and magnetic properties of $[\text{Mn}_{30}\text{O}_{24}(\text{OH})_8(\text{O}_2\text{CCH}_2\text{C}(\text{CH}_3)_3)_3_2(\text{H}_2\text{O})_2(\text{CH}_3\text{NO}_2)_4]$: the largest manganese carboxylate cluster. **2001**, 20, 1365-1369 67
- 1255 4,6-Bis(trifluoromethyl)- N,N' -di-tert-butyl-1,3-phenylenebis(aminoxyl) and its bis(hexafluoroacetylacetonato)manganese(II) complex: synthesis, X-ray crystallography, and magnetism. **2001**, 20, 1669-1675 7
- 1254 Bond valence sums in coordination chemistry. $\text{Sn}(\text{II})$, $\text{Sn}(\text{III})$, and $\text{Sn}(\text{IV})$ complexes containing $\text{Sn}^?S$ and/or $\text{Sn}^?N$ bonds. **2001**, 20, 2137-2143 15
- 1253 Synthesis of perfluoroalkylnitroborates: structure of $\text{Cs}[(\text{C}_2\text{F}_5)_3\text{BNO}_2]$. **2001**, 112, 265-270 14
- 1252 Synthesis, characterization and X-ray crystal structure of a novel polyoxotungstoarsenate: $\text{K}_6\{[\text{Cu}(\text{Ala})_2(\text{H}_2\text{O})_2]_2[\text{Cu}_4(\text{H}_2\text{O})_2(\text{AsW}_9\text{O}_{34})_2]\} \cdot 17\text{H}_2\text{O}$ ($\text{Ala}=\text{Alanine}$). **2001**, 598, 161-169 10
- 1251 Synthesis and crystal structures of chromium and molybdenum complexes containing the 2,4,6-tris(trifluoromethyl)phenyl ligand. **2001**, 631, 181-187 19
- 1250 Influence of the cation size on the formation of alluaudite-type manganese arsenates: synthesis and characterization of $\text{Tl}_2\text{Mn}_3(\text{As}_2\text{O}_7)_2 \cdot 2\text{H}_2\text{O}$, $\text{CsMn}_3(\text{AsO}_4)(\text{HAsO}_4)_2 \cdot 3\text{H}_2\text{O}$, and $\text{XMn}_3(\text{AsO}_4)(\text{HAsO}_4)_2$ ($X=\text{Na}, \text{K}$). **2001**, 62, 1457-1467 12

- 1249 Effects of Re substitution on the structure and superconductivity of $\text{Cu}_{1-x}\text{Re}_x\text{Ba}_2\text{YCu}_2\text{O}_w$. **2001**, 355, 267-277 1
- 1248 Superconductivity and magnetism in $\text{Sr}_2\text{Y}(\text{Ru}_{1-x}\text{Cu}_x)\text{O}_6$ and in $\text{Ba}_2\text{Gd}(\text{Ru}_{1-x}\text{Cu}_x)\text{O}_6$. **2001**, 364-365, 392-398 12
- 1247 Synthèse et étude structurale d'un nouvel hétéropolytungstate substitué $\text{Na}_8\text{X}_3\text{H}_3\text{MIIW}_2\text{O}_5(\text{H}_2\text{O})_3 \cdot 3\text{H}_2\text{O}$ ($\text{X} = \text{Sb}^{\text{III}}, \text{Bi}^{\text{III}}$ et $\text{M} = \text{Mn}^{2+}, \text{Co}^{2+}, \text{Ni}^{2+}, \text{Cu}^{2+}, \text{Zn}^{2+}$) de structure identique à celle de $\text{H}_2\text{XIIIW}_2\text{O}_6 \cdot 7\text{H}_2\text{O}$ ($\text{X} = \text{As}, \text{Bi}$). **2001**, 4, 683-690
- 1246 Hydrothermal synthesis and structure of a bi-capped 1D chain $(\text{H}_2\text{en})_3\text{H}_3\text{O}[\text{Mo}_8\text{V}_4\text{O}_{36}(\text{VO}_4)(\text{VO})_2] \cdot 4\text{H}_2\text{O}$. **2001**, 4, 541-543 17
- 1245 Hydrothermal synthesis and structure of a bi-capped Keggin polyoxoanion, $[\text{AsIII}_2\text{AsVMo}_8\text{VIV}_4\text{O}_{40}]^{5-}$. **2001**, 4, 632-634 16
- 1244 Modeling proton binding at the goethite (FeOOH)/water interface. **2001**, 179, 11-27 146
- 1243 Crystal structure and phase transitions of $\text{Sr}_{1-x}\text{Bi}_2\text{-yTa}_2\text{O}_9$ ceramics. **2001**, 21, 1295-1298 31
- 1242 Microwave dielectric properties and crystal structure refinements in M ($\text{M}=\text{Sr}, \text{Ca}$) doped $\text{Nd}_2(\text{Ba}_{1-x}\text{M}_x)\text{ZnO}_5$ solid solutions. **2001**, 21, 1731-1734 7
- 1241 Single-Crystal X-Ray Diffraction Studies of Homologues in the Series $n\text{Ba}(\text{Nb},\text{Zr})\text{O}_3 + 3m\text{NbO}$ with $n=2, 3, 4, 5$ and $m=1$. **2001**, 156, 75-83
- 1240 Cation Ordering Types and Dielectric Properties in the Complex Perovskite $\text{Ca}(\text{Ca}_{1/3}\text{Nb}_{2/3})\text{O}_3$. **2001**, 156, 122-134 71
- 1239 Modeling Ionic Conductivity in Nasicon Structures. **2001**, 156, 154-160 52
- 1238 A New Oxyborate in the Ternary Phase Diagrams $\text{Li}_2\text{O}-\text{Ln}_2\text{O}_3-\text{B}_2\text{O}_3$: $\text{Li}_2\text{Ln}_5\text{O}_4(\text{BO}_3)_3$ ($\text{Ln}=\text{Yb}, \text{Lu}$): Crystal Structure of the Ytterbium Phase. **2001**, 156, 161-167 19
- 1237 Linear-Chain ALPOs Obtained by the Reaction of Amine Phosphates with Al^{3+} Ions. **2001**, 156, 185-193 17
- 1236 Synthesis and Characterization of A New Open-Framework Cobalt Phosphate: $\text{Cs}_2\text{Co}_3(\text{HPO}_4)(\text{PO}_4)_2 \cdot 4\text{H}_2\text{O}$. **2001**, 156, 242-246 11
- 1235 A Mixed H/Li Superstructure in NASICON Ionic Conductors: Neutron Diffraction Study of $\text{Li}_2\text{FeTi}(\text{PO}_4)_3$ and $\text{Li}_2\text{FeZr}(\text{PO}_4)_3$. **2001**, 156, 305-312 15
- 1234 Synthesis and Structure of $\text{ACa}_9(\text{VO}_4)_7$ Compounds, $\text{A}=\text{Bi}$ or a Rare Earth. **2001**, 157, 255-260 48
- 1233 A Layered Zinc Phosphate, $[\text{C}_6\text{N}_4\text{H}_{22}][\text{Zn}_6(\text{PO}_4)_4(\text{HPO}_4)_2]$, Formed by One-Dimensional Tubes. **2001**, 157, 110-116 15
- 1232 Effect of Cationic Substitutions on Ferroelectric Properties of $\text{Pb}_5\text{Ta}_{10}\text{O}_{30}$: Generation of the Relaxor Behavior. **2001**, 157, 261-273 11

1231	BiMn ₆ PO ₁₂ , A New Bismuth Manganese II/III Oxyphosphate with an Original Manganese-Oxygen Cubic Network. 2001 , 157, 123-133	10
1230	Hydrothermal Synthesis and Crystal Structure of Na ₂ In ₂ [PO ₃ (OH)] ₄ ·4H ₂ O with a New Structure Type. 2001 , 157, 213-219	11
1229	Synthesis and Characterization of New Iron Phosphatooxalates: [(S)-C ₅ H ₁₄ N ₂] [Fe ₄ (C ₂ O ₄) ₃ (HPO ₄) ₂ (H ₂ O) ₂] and [(S)-C ₅ H ₁₄ N ₂] [Fe ₄ (C ₂ O ₄) ₃ (HPO ₄) ₂]. 2001 , 157, 233-239	22
1228	Hydrothermal Syntheses, Structures, and Magnetic Properties of the U(IV) Fluorides (C ₅ H ₁₄ N ₂) ₂ U ₂ F ₁₂ ·5H ₂ O and (NH ₄) ₇ U ₆ F ₃₁ . 2001 , 158, 87-93	38
1227	Inorganic-Organic Hybrid Materials: Synthesis and Structure of a Reduced Ferrous Molybdophosphate, [(C ₁₂ H ₈ N ₂) ₃ Fe ^{II}] ₂ [Fe ₁₁ MOV ₁₂ (H ₂ PO ₄) ₆ (PO ₄) ₂ (OH) ₆ O ₂₄], in the Presence of Fe(II)(1,10-Phenanthroline) ₃ Complex. 2001 , 159, 209-214	51
1226	Open-Framework Cadmium Oxalates with Channels Stabilized by Alkali Metal Ions. 2001 , 162, 150-157	19
1225	Ab-Initio Determination of La ₂ Mo ₄ O ₁₅ Crystal Structure from X-rays and Neutron Powder Diffraction. 2001 , 159, 228-233	40
1224	Synthesis, Crystal Structure, and Magnetic Properties of Quasi-One-Dimensional Oxides Ca ₃ CuMnO ₆ and Ca ₃ Co _{1+x} Mn _{1-x} O ₆ . 2001 , 160, 293-301	74
1223	Synthesis, Crystal Structure, and Solid State NMR Spectroscopy of (C ₁₀ N ₄ H ₂₈)[Zn ₆ (HPO ₄) ₂ (PO ₄) ₄]·2H ₂ O, a New Zinc Phosphate with a Layer Structure. 2001 , 162, 168-175	13
1222	The First Open-Framework Cadmium Phosphate, K ₄ [Cd ₃ (HPO ₄) ₄ (H ₂ PO ₄) ₂], with a Layered Structure. 2001 , 162, 188-194	15
1221	The Crystal Structures of the Strontium Gallates Sr ₁₀ Ga ₆ O ₁₉ and Sr ₃ Ga ₂ O ₆ . 2001 , 160, 421-429	13
1220	Theoretical Approach to Ionic Conductivity in Phosphorus Oxynitride Compounds. 2001 , 161, 73-79	10
1219	Cd(VO ₂) ₄ (SeO ₃) ₃ ·4H ₂ O: A New Bimetallic Vanadium Selenite Compound with Heptacoordinated Cadmium Ion. 2001 , 161, 23-30	19
1218	Hydrothermal Synthesis and Crystal Structure of [{Cu(2,2'-bpy) ₂ } ₂ Mo ₈ O ₂₆]: a heptamolybdate Cluster Covalently Bonded to Two {Cu(2,2'-bpy) ₂ } ²⁺ Coordination Complexes via Bridging oxo Groups. 2001 , 161, 173-176	24
1217	Cation Effects on the Formation of the One-Dimensional Uranyl Iodates A ₂ [(UO ₂) ₃ (IO ₃) ₄ O ₂] (A=K, Rb, Tl) and AE[(UO ₂) ₂ (IO ₃) ₂ O ₂] (H ₂ O) (AE=Sr, Ba, Pb). 2001 , 161, 416-423	52
1216	Influence of the Metal-Metal Sigma Bonding on the Structures and Physical Properties of the Hexagonal Perovskite-Type Sulfides Sr ₉ /8TiS ₃ , Sr ₈ /7TiS ₃ , and Sr ₈ /7[Ti ₆ /7Fe ₁ /7]S ₃ . 2001 , 162, 103-112	6
1215	Structural Investigations of Sulfite-Bridged Binuclear Complexes of Platinum(II) and Palladium(II). 2001 , 2001, 3067-3072	5
1214	Assembly of Ni ₇ and Ni ₂₁ Molecular Clusters by Using Citric Acid. 2001 , 113, 2011-2014	13

1213	Ein großes, neuartiges Polyoxowolfram: $[\text{As}^{\text{III}}_6]\text{W}_6\text{O}_{217}(\text{H}_2\text{O})_7$ 2001 , 113, 3488-3491	38
1212	Relative Lewis basicities of six Al(ORF) ₄ -superweak anions and the structures of LiA. 2001 , 7, 503-10	94
1211	Assembly of Ni ₇ and Ni ₂₁ Molecular Clusters by Using Citric Acid. 2001 , 40, 1957-1960	52
1210	A Large, Novel Polyoxotungstate: $[\text{As}^{\text{III}}_6]\text{W}(65)\text{O}(217)(\text{H}_2\text{O})(7)](26^-)$ U.K. thanks the American University of Beirut for research support via a URB grant. We thank Nebebech Belai for recording the NMR spectrum. Figures 1-4 were generated by Diamond Version 2.1b (copyright Crystal Impact GbR). 2001 , 40, 3384-3386	155
1209	On the Crystal Structure of Tribarium Gallate (Ba ₃ Ga ₂ O ₆). 2001 , 36, 319-326	9
1208	Are the compressive effects of encapsulation an artifact of the bond valence parameters?. 2001 , 216,	68
1207	Revision of the crystal structure of ulrichite, CaCu ₂ +(UO ₂)(PO ₄) ₂ ·4H ₂ O. 2001 , 65, 717-724	18
1206	Ab Initio Structure Determination of New Compound LiAlB ₂ O ₅ . 2001 , 156, 181-184	14
1205	Development of Pauling's concepts of geometric characteristics of atoms. 2001 , 46, 891-897	1
1204	The Crystal Structure of PbTe ₅ O ₁₁ . 2001 , 36, 693-703	8
1203	CaCu_2O_3 nonstoichiometric compound: structural disorder and magnetic properties. 2001 , 36, 1995-2002	14
1202	The synthesis and crystal structure of a hydrated magnesium phosphate Mg ₃ (PO ₄) ₂ ·4H ₂ O. 2001 , 3, 353-359	5
1201	Effect of layer charge modification for Co ²⁺ /Al layered double hydroxides: study by X-ray absorption spectroscopy. 2001 , 3, 81-92	44
1200	K ₂ [Te ₄ O ₈ (OH) ₁₀]: synthesis, crystal structure and thermal behavior. 2001 , 3, 93-101	7
1199	Single crystal structure and magnetic properties of a new quaternary samarium-titanium oxyselenide: Sm ₃ Ti ₃ Se ₂ O ₈ . 2001 , 3, 189-194	6
1198	Some considerations about equations correlating valence and length of a chemical bond. 2001 , 3, 383-386	20
1197	Crystal structure of a new lithium indium borate Li ₃ InB ₂ O ₆ . 2001 , 3, 461-468	18
1196	Crystal structure of a new gallium tellurite: Ga ₂ Te ₄ O ₁₁ . 2001 , 3, 423-431	28

1195	Crystal structure of the new borate $\text{Li}_3\text{Gd}(\text{BO}_3)_2$. Comparison with the homologous $\text{Na}_3\text{Ln}(\text{BO}_3)_2$ (Ln: La, Nd) compounds. 2001 , 3, 469-475	18
1194	Structural characterization of strontium monoferrite SrFe_2O_4 , a new stuffed framework compound. 2001 , 3, 433-439	20
1193	$\text{La}_3\text{Cu}_2\text{VO}_9$: A surprising variation on the YAlO_3 structure-type with 2D copper clusters of embedded triangles. 2001 , 3, 569-579	14
1192	Hydrothermal synthesis, characterization and magnetic properties of three isostructural chain borophosphates; $\text{NH}_4\text{M}(\text{III})[\text{BP}_2\text{O}_8(\text{OH})]$ with MV or Fe and $\text{NH}_4(\text{Fe}(\text{III})_{0.53}\text{V}(\text{III})_{0.47})[\text{BP}_2\text{O}_8(\text{OH})]$. 2001 , 3, 649-658	16
1191	Solid solution of transition metal-dicarboxylates with tunable magnetic properties. 2001 , 3, 837-846	17
1190	Hydrothermal synthesis and magnetic studies of transition metal nocerites $\text{M}_3(\text{BO}_3)\text{F}_3$ (M=Fe, Co, Ni). 2001 , 234, 423-430	7
1189	Structure of di(salicylaldehyde benzoylhydrazonato) zinc (II), an unusual staircase polymeric structure formed via E \rightarrow Z isomerization on complexation. 2001 , 216, 556-559	2
1188	Influence of annealing treatments on microstructure and toughness of liquid-phase-sintered silicon carbide. 2001 , 16, 806-816	5
1187	Crystal structure of $\text{Ba}_8[\text{Al}_3\text{O}_{10}][\text{AlO}_4]$, a novel mixed-anion Ba aluminate related to kilchoanite. 2001 , 65, 533-541	11
1186	Refinement of the crystal structure of a synthetic non-stoichiometric Rb-feldspar. 2001 , 65, 523-531	15
1185	A correlation between bond valence and B-site ordering in perovskite lead-based compounds.	
1184	Phase transitions and microwave dielectric properties in the perovskite-like $\text{Ca}(\text{Al}_{0.5}\text{Nb}_{0.5})\text{O}_3/\text{CaTiO}_3$ system. 2001 , 90, 904-914	95
1183	Structure and a bond-valence-sum study of the 1-2-3 superconductors $(\text{Ca}_x\text{La}_{1-x})(\text{Ba}_{1.75-x}\text{La}_{0.25+x})\text{Cu}_3\text{O}_y$ and $\text{YBa}_2\text{Cu}_3\text{O}_y$. 2001 , 63,	32
1182	Influence of Sr substitution on the structure, charge distribution, and critical temperature of $\text{Y}(\text{Ba}_{1-x}\text{Sr}_x)_2\text{Cu}_4\text{O}_8$ single crystals. 2001 , 64,	28
1181	Structural and magnetic properties of layered $\text{Sr}_7\text{Mn}_4\text{O}_{15}$. 2001 , 64,	19
1180	Dipole theory of energy gap parameters in high-temperature superconductors at zero temperature. 2001 , 63,	3
1179	Stability of a flexible polar ionic crystal surface: metastable alumina and one-dimensional surface metallicity. 2002 , 88, 226101	23
1178	Quantitative analysis of twist boundaries and stacking faults in Bi-based superconductors by parallel recording of dark-field images with a coherent electron source. 2002 , 66,	10

- 1177 A Novel Lead- bis (4-Chloro-2-Methylphenoxy)- Acetate Polymeric Complex. **2002**, 55, 1079-1089 7
- 1176 Intrinsic electronic structure of threading dislocations in GaN. **2002**, 65, 45
- 1175 Crystal Structure and Microwave Dielectric Property Relations in R₂BaZnO₅ (R= Sm, Eu, Gd, Dy, Ho, Er, and Tm) Ceramics. **2002**, 17, 1803-1807 4
- 1174 Crystal structure of the compound Bi₂Zn₂/3Nb₄/3O₇. **2002**, 17, 1406-1411 76
- 1173 Determination and Rietveld refinement of the crystal structure of Li_{0.50}Ni_{0.25}TiO(PO₄) from powder X-ray and neutron diffraction. **2002**, 17, 290-294 14
- 1172 Characterization of the stuffed framework structures BaAlGaO₄ and BaFeGaO₄. **2002**, 217, 249-255 5
- 1171 Crystal Structure of Magnetic Superconductor FeSr₂YCu₂O_{6+δ}. **2002**, 71, 790-796 41
- 1170 Compressibility to 7 GPa at 298 K of the protonated octahedral framework mineral burtite, CaSn(OH)₆. **2002**, 66, 431-440 6
- 1169 X-ray powder data and bond valence of La_{0.65}Sr_{0.35}MnO₃ after Rietveld refinement. **2002**, 17, 149-152 10
- 1168 Crystal structures and reference diffraction patterns of BaSr₄O₈. **2002**, 17, 202-209
- 1167 Bond valence analysis of ion transport in reverse Monte Carlo models of mixed alkali glasses. **2002**, 756, 1
- 1166 Crystal structures and phase transitions of (NO)₂TiCl₆. **2002**, 217, 474-483 8
- 1165 Explanation of high-temperature superconductivity without cuprate planes. **2002**, 82, 1055-1066 5
- 1164 Modulated Crystal Structure and Spin/Hole Arrangement in the Chain Compound Ca_xCuO₂(x=0.8240). **2002**, 71, 782-789 8
- 1163 [(H₂O)Ni(enMe)₂MoV₄MoVI₄VIV₈(VVO₄)O₄₀]₂[Ni(enMe)₂]₄·8H₂O: The First Dimer of Polyoxometalates Linked through Coordination Fragment. **2002**, 31, 1238-1239 9
- 1162 The First Organically Templated Layered Cerium Phosphate-Hydrogen Sulfate: [enH₂]_{0.5}[CeIII(PO₄)(HSO₄)(OH₂)]. **2002**, 31, 1120-1121 15
- 1161 Tetranuclear manganese complexes with dimer-of-dimer and ladder structures from the use of a bis-bipyridyl ligand. **2002**, 41, 2441-50 49
- 1160 Origin of Differential Etching Rates of the + Z and @ Z Faces of Lithium Niobate Crystal. **2002**, 29, 89-93 16

1159	14N MAS NMR Spectroscopy and Quadrupole Coupling Data in Characterization of the IV <-> III Phase Transition in Ammonium Nitrate. 2002 , 106, 3026-3032	36
1158	Synthesis, characterization, and properties of three europium 2-propoxides: [Eu(4)(OPr(i))(10)(HOPr(i))(3)]*2HOPr(i), Eu(5)O(OPr(i))(13), and EuAl(3)(OPr(i))(12). 2002 , 41, 3249-58	47
1157	Hydrothermal Synthesis and Structures of Three-Dimensional Zinc Phosphates Built-Up from Two-Dimensional Layers and One-Dimensional Chains and Ladders. 2002 , 2, 665-673	14
1156	Anionic templating: synthesis, structure, and characterization of novel three-dimensional mixed-metal oxychlorides Te(4)M(3)O(15).Cl (M = Nb(5+) or Ta(5+)). 2002 , 41, 3805-7	33
1155	The first example of a nitrile hydratase model complex that reversibly binds nitriles. 2002 , 124, 11417-28	49
1154	New mercury vanadium phosphate hydrate Hg(4)(-)(x)O(1-)(y)((VO)(PO(4))(2).H(2)O with unprecedented tetrahedral oxo-cluster [Hg(approximately)(4)O(approximately)(5)]. 2002 , 41, 4227-31	9
1153	Novel vanadium(V) compounds with a layer structure: synthesis, crystal structures, and solid state NMR spectroscopy of [(VO(2))(2)(4,4'-bpy)(0.5)(4,4'-Hbpy)(XO(4))] x H(2)O (X = P and As). 2002 , 41, 2936-40	58
1152	Characterization of the Phase Transition in Friedels Salt (Ca2Al(OH)6Cl·2H2O) by Variable-Temperature 27Al MAS NMR Spectroscopy. 2002 , 106, 6676-6682	26
1151	Synthesis and Characterization of a New Ferrimagnetic Mixed-Valent Iron Fluorophosphate [C6N4H21][FeIII3-xFeIIxF2(PO4)(HPO4)2]2(x~ 1.5) with a Layered Structure. 2002 , 14, 3751-3757	23
1150	High-temperature, high-pressure hydrothermal synthesis, crystal structure, and solid state NMR spectroscopy of a new vanadium(IV) silicate: Rb(2)(VO)(Si(4)O(10)).xH(2)O. 2002 , 41, 4206-10	23
1149	Aqueous reactions of U(VI) at high chloride concentrations: syntheses and structures of new uranyl chloride polymers. 2002 , 41, 6775-9	37
1148	Topotactic transformations of sodalite cages: synthesis and NMR study of mixed salt-free and salt-bearing sodalites. 2002 , 124, 8361-70	23
1147	Functional analysis of the copper-dependent quercetin 2,3-dioxygenase. 2. X-ray absorption studies of native enzyme and anaerobic complexes with the substrates quercetin and myricetin. 2002 , 41, 7963-8	32
1146	X-ray Absorption and Magnetic Studies of Trivalent Lanthanide Ions Sorbed on Pristine and Phosphate-Modified Boehmite Surfaces. 2002 , 18, 10128-10136	11
1145	Structure Elucidation of a Novel Aluminum Methylphosphonate, Al3(CH3PO3)2·O(OH)3, through a Combination of X-ray Powder Diffraction, Solid-State NMR Spectroscopy, and Computational Energy Minimization. 2002 , 14, 3432-3439	10
1144	Synthesis, crystal structure, and solid state NMR spectroscopy of NH(4)[(V(2)O(3))(2)(4,4'-bpy)(2)(H(2)PO(4))(PO(4))(2)].0.5H(2)O, a mixed-valence vanadium(IV,V) phosphate with a pillared layer structure. 2002 , 41, 3929-34	39
1143	Intramolecular Bonding and Charge Distributions in XO4(X = Si, P, S, Cl and Ge, As, Se, Br) Oxyanions from Topological Analyses of the Electron Density. 2002 , 106, 4718-4724	12
1142	Synthetic models for the cysteinylated non-heme iron enzyme superoxide reductase: observation and structural characterization by XAS of an Fe(III)-OOH intermediate. 2002 , 124, 11709-17	78

- 1141 [NC₄H₁₂]₂[(UO₂)₆(H₂O)₂(SO₄)₇]: the first organically templated actinide sulfate with a three-dimensional framework structure. **2002**, 2946-7 93
- 1140 New Selenites: Syntheses, Structures, and Characterization of Centrosymmetric Al₂(Se₂O₅)₃ and Ga₂(Se₂O₅)₃ and Non-centrosymmetric In₂(Se₂O₅)₃. **2002**, 14, 2360-2364 60
- 1139 Synthesis, Structure, and Characterization of a New Second-Harmonic-Generating Tellurite: Na₂TeW₂O₉. **2002**, 14, 3174-3180 203
- 1138 Phase transitions of Pb(ZrxTi_{1-x})O₃ ceramics. **2002**, 66, 134
- 1137 Hydrothermal synthesis and structure of a new one-dimensional, mixed-metal U(VI) iodate, Cs₂[(UO₂)(CrO₄)(IO₃)₂]. **2002**, 41, 2304-6 41
- 1136 Further evidence for the tetraoxiodate(V) anion, IO₄(3-): hydrothermal syntheses and structures of Ba[(MoO₂)(6)(IO₄)(2)O₄] x H₂O and Ba₃[(MoO₂)(2)(IO₆)(2)] x 2H₂O. **2002**, 41, 2697-703 41
- 1135 Mixed-metal uranium(VI) iodates: hydrothermal syntheses, structures, and reactivity of Rb[UO₂(CrO₄)(IO₃)(H₂O)], A₂[UO₂(CrO₄)(IO₃)₂] (A = K, Rb, Cs), and K₂[UO₂(MoO₄)(IO₃)₂]. **2002**, 41, 5126-32 53
- 1134 Structural modulation of molybdenyl iodate architectures by alkali metal cations in AMoO₃(IO₃) (A = K, Rb, Cs): a facile route to new polar materials with large SHG responses. **2002**, 124, 1951-7 280
- 1133 New One-Dimensional Vanadyl Iodates: Hydrothermal Preparation, Structures, and NLO Properties of A[VO₂(IO₃)₂] (A = K, Rb) and A[(VO)₂(IO₃)₃O₂] (A = NH₄, Rb, Cs). **2002**, 14, 2741-2749 129
- 1132 Hydro/solvothermal synthesis and structures of new zinc phosphates of varying dimensionality. **2002**, 41, 5530-7 34
- 1131 Is silica really an anomalous oxide? Surface acidity and aqueous hydrolysis revisited. **2002**, 36, 445-52 78
- 1130 Expanding the remarkable structural diversity of uranyl tellurites: hydrothermal preparation and structures of K[UO₂Te₂O₅(OH)], Tl₃[(UO₂)₂[Te₂O₅(OH)][Te₂O₆]]·2H₂O, beta-Tl₂[UO₂(TeO₃)₂], and Sr₃[UO₂(TeO₃)₂](TeO₃)₂. **2002**, 41, 5495-501 41
- 1129 Disorderly conduct in Bi₂Ln₂Ti₃O₁₂ Aurivillius phases (Ln = La, Pr, Nd, Sm).. **2002**, 755, 1 1
- 1128 Description and crystal structure of bobkingite, a new mineral from New Cliffe Hill Quarry, Stanton-under-Bardon, Leicestershire, UK. **2002**, 66, 301-311 10
- 1127 A novel chiral coordination polymer with a two-dimensional undulated (6,4)-network: [Co₄(2,2'-bipy)₄(H₂O)₂(btec)₂]_n (btec = 1,2,4,5-benzenetetracarboxylate). **2002**, 26, 1619-1623 67
- 1126 Sandwich-type phosphotungstates: structure, electrochemistry, and magnetism of the trinickel-substituted polyoxoanion [Ni₃Na(H₂O)₂(PW₉O₃₄)₂](11-). **2002**, 41, 6412-6 84
- 1125 Synthesis and pH-variable ultracentrifugation molecular weight measurements of the dimeric, Ti₂ bridged anhydride form of a novel di-TiIV-1,2-substituted Keggin polyoxotungstate. Molecular structure of the [H-1,2-PW₁₀Ti₂O₃₉]₂]₁₀⁻ polyoxoanion. **2002**, 3679-3685 36
- 1124 Variable Temperature X-ray Crystal Structure Analysis of a Type I Langbeinite: Rb₂Cd₂(SO₄)₃. **2002**, 14, 4729-4735 11

1123	New hydrogen bond-supported 3-D molecular assembly from polyoxovanadate and tetramethylbiimidazole. 2002 , 41, 1989-92	60
1122	Study of the structural, electronic, and magnetic properties of the barium-rich iron(IV) oxides, Ba(2)FeO(4) and Ba(3)FeO(5). 2002 , 41, 2834-8	27
1121	A New Hexagonal 12-Layer Perovskite-Related Structure: Ba ₆ R ₂ Ti ₄ O ₁₇ (R = Nd and Y). 2002 , 14, 4359-4363	28
1120	Crystal structure and chemical bonding of the high-pressure phase of MgAl ₂ O ₄ from first-principles calculations. 2002 , 82, 2885-2894	2
1119	Hydrothermal synthesis and structure of a zinc arsenate oxalate, [NH ₃ (CH ₂) ₃ NH ₂ (CH ₂) ₃ NH ₃][Zn ₃ (AsO ₄)(HAsO ₄) ₂ (C ₂ O ₄)], and a zinc arsenate, [(NH ₃ (CH ₃) ₂ NH ₂ (CH ₃) ₃ NH ₃) ₂][Zn ₆ (AsO ₄) ₄ (HAsO ₄) ₃]·4H ₂ O, with three-dimensional structures. 2002 , 4156	14
1118	Solution mediated synthesis and structure of a three-dimensional zinc arsenate, [NH ₃ (CH ₂) ₃ NH ₂ (CH ₂) ₂ NH ₃][Zn ₄ (AsO ₄) ₃ (HAsO ₄) ₄]·4H ₂ O, with intersecting helical channels. 2002 , 3874-3878	25
1117	Disordering phenomena in superionic conductors. 2002 , 14, R819-R857	98
1116	EXAFS study of rare-earth element coordination in calcite. 2002 , 66, 2875-2885	60
1115	Bonding of methyl mercury to reduced sulfur groups in soil and stream organic matter as determined by x-ray absorption spectroscopy and binding affinity studies. 2002 , 66, 3873-3885	119
1114	Crystal truncation rod diffraction study of the β -Al ₂ O ₃ (1 1 0 2) surface. 2002 , 496, 238-250	103
1113	Bond valence in silicate glasses. 2002 , 304, 167-173	14
1112	Er ³⁺ environment in TeO ₂ -nO ₂ -Na ₂ O glasses. 2002 , 304, 195-199	10
1111	Synthesis and structural study of new rare earth sodium borates Na ₃ Ln(BO ₃) ₂ (Ln=Y, Gd). 2002 , 333, 72-75	20
1110	Synthesis, structure determination, and quantum-chemical characterization of an alternate HgNCN polymorph. 2002 , 41, 4259-65	53
1109	X-ray powder diffraction and ⁵⁷ Fe Mössbauer spectroscopy study on Fe _{0.47} NbS ₂ . 2002 , 339, 30-34	5
1108	Synthesis and structure of BiMnPO ₅ . 2002 , 338, 51-53	15
1107	Atomistic simulations of solid-state materials based on crystal-chemical potential concepts: basic ideas and implementation. 2002 , 338, 136-141	8
1106	Synthesis, structure, and magnetic properties of two quasi-low-dimensional antiferromagnets, NaMnAsO ₄ and NaCuPO ₄ . 2002 , 338, 80-86	19

1105	NMR of Other Commonly Studied Nuclei. 2002 , 6, 399-457	1
1104	Hydrothermal syntheses, structures, and properties of the new uranyl selenites $\text{Ag}_2(\text{UO}_2)(\text{SeO}_3)_2$, $\text{M}[(\text{UO}_2)(\text{HSeO}_3)(\text{SeO}_3)]$ ($\text{M} = \text{K}, \text{Rb}, \text{Cs}, \text{Tl}$), and $\text{Pb}(\text{UO}_2)(\text{SeO}_3)_2$. 2002 , 41, 1177-83	63
1103	Czochralski growth of $\text{Tb}_3\text{Sc}_2\text{Al}_3\text{O}_{12}$ single crystal for Faraday rotator. 2002 , 37, 1-10	30
1102	Synthesis and crystal structure of $\text{Sr}_{10}\text{Al}_6\text{O}_{19}$: a derivative of the perovskite structure type in the system $\text{SrO}-\text{Al}_2\text{O}_3$. 2002 , 37, 715-726	11
1101	Effects of La substitution for Nd in $(\text{Nd}_{2-x}\text{La}_x)\text{BaZnO}_5$ solid solutions on microwave dielectric properties and crystal structure. 2002 , 37, 1509-1518	7
1100	$\text{BaZr}(\text{BO}_3)_2$: a non-centrosymmetric dolomite-type superstructure. 2002 , 37, 2165-2178	17
1099	Synthesis and investigation of novel Mn-based oxyfluoride $\text{Sr}_2\text{Mn}_2\text{O}_5\text{F}_{1+x}$. 2002 , 4, 19-22	30
1098	Crystal structure of a rubidium zinc oxovanadium phosphate $\text{HRb}_3\text{ZnV}_2\text{P}_4\text{O}_{17}$ with open structure containing PO_4 , HPO_4 and P_2O_7 . 2002 , 4, 233-238	2
1097	Synthesis and structural characterization of the new defect pyrochlore $\text{Nd}_{1.68}\text{Ti}_2\text{O}_{6.52}$. 2002 , 4, 167-173	4
1096	$\text{Sr}_{10}\text{Ga}_6\text{O}_{19}$: an oxygen deficient perovskite containing $[\text{Ga}_6\text{O}_{19}]$ -polyanions. 2002 , 4, 183-189	4
1095	A method for evaluating the parameters R1 and B of chemical bonds. Application to M-O bonds ($\text{M}=\text{Mo}, \text{V}, \text{P}, \text{Si}$). 2002 , 4, 149-159	7
1094	Synthesis and structure of a zinc oxalate with honeycomb layers and zinc phosphates with one- and three-dimensional structures. 2002 , 4, 1331-1342	24
1093	Ab initio crystal structure determination of $\text{Na}_2\text{Si}_3\text{O}_7$ from conventional powder diffraction data. 2002 , 4, 1285-1292	12
1092	Study of the pyrochlore-related structure of $\text{Cs}_2\text{U}_4\text{O}_{12}$ by powder neutron and X-ray diffraction. 2002 , 4, 1257-1264	3
1091	Hydrothermal synthesis of the first iron arsenate-oxalate $[\text{C}_4\text{N}_2\text{H}_{12}]_2[\text{Fe}_4(\text{HAsO}_4)_6(\text{C}_2\text{O}_4)_2]$, possessing open architecture. 2002 , 4, 405-412	13
1090	A layered zinc oxalate possessing a 12-membered honeycomb aperture, stabilized by an amine and an alkali cation. 2002 , 4, 633-639	8
1089	The structure of $\text{Nb}_5\text{O}_{12}\text{F}$. 2002 , 4, 767-772	1
1088	Synthesis, structure and characterization of a new tellurate: NaBiTeO_5 . 2002 , 4, 793-797	6

1087	High temperature single crystal diffraction study on monobarium gallate [The crystal structure of BaGa_2O_4 . 2002 , 4, 963-968	15
1086	$\text{Pb}_3\text{Mn}_5\text{V}_2\text{O}_{16}$: a new lead manganese vanadate with double MnII/MnIV valence. 2002 , 4, 1023-1029	6
1085	Synthesis and Characterization of the Synthetic Minerals Villyaellenite and Sarkinite, $\text{Mn}_5(\text{AsO}_4)_2(\text{HAsO}_4)_2 \cdot 4\text{H}_2\text{O}$ and $\text{Mn}_2(\text{AsO}_4)(\text{OH})$. 2002 , 628, 357-362	8
1084	Structures and Properties of NbOF_3 and TaOF_3 [with a Remark to the O/F Ordering in the SnF_4 Type Structure. 2002 , 628, 2683-2690	27
1083	Biokatalytisch relevante rautenförmige Bis(Ebxo)dimetall-Kerne in Kupfer- und Eisenkomplexen. 2002 , 114, 1160-1185	74
1082	Toward the design and synthesis of lithium-ion intercalation into a coordination pi-pi framework host. 2002 , 8, 396-400	13
1081	Bis(mu-oxo)dimetal "diamond" cores in copper and iron complexes relevant to biocatalysis. 2002 , 41, 1114-37	350
1080	Synthesis, Structure, and Thermal Stability of $\text{Li}_3\text{AlB}_2\text{O}_6$. 2002 , 163, 369-376	21
1079	Structure and Ionic Conductivity of $\text{Bi}_6\text{Cr}_2\text{O}_{15}$, a New Structure Type Containing $(\text{Bi}_{12}\text{O}_{14})_{8n+n}$ Columns and CrO_2 Tetrahedra. 2002 , 163, 144-150	22
1078	The Crystal Chemistry of Lithium in the Alluaudite Structure: A Study of the $(\text{Na}_{1-x}\text{Li}_x)\text{CdIn}_2(\text{PO}_4)_3$ Solid Solution ($x=0$ to 1). 2002 , 163, 194-201	24
1077	A New Vanadium-Molybdenum Mixed Bronze Family with a Tunnel Structure: The Phases $\text{Ax}(\text{Mo},\text{V})_8\text{O}_{21}$ ($\text{A}=\text{K}^+, \text{Rb}^+, \text{Cs}^+$). 2002 , 163, 210-217	6
1076	The Crystal Structure of Triuranyl Diphosphate Tetrahydrate. 2002 , 163, 275-280	70
1075	$\text{Pb}_2\text{VIII}(\text{VO}_4)(\text{V}_2\text{O}_7)_{0.5}$, a Novel Lead Vanadium III Vanadate Possessing Trivalent Vanadium Rutile-Like Chains: Relationship with Related Compounds. 2002 , 163, 519-526	2
1074	Crystal Structure and Magnetic Properties of a New Iron(III) Silicophosphate $\text{Fe}_3\text{P}_5\text{SiO}_{19}$ Studied by Neutron Diffraction and Mössbauer Techniques. 2002 , 164, 71-80	3
1073	A New Bismuth Magnesium Vanadate with Reduced Vanadium: $\text{BiMg}_2.5\text{V}_{18.5}\text{O}_{38}$. 2002 , 164, 138-143	4
1072	Stability of Rare-Earth Oxychloride Phases: Bond Valence Study. 2002 , 165, 48-55	41
1071	Preparation, Structure, and Properties of $\text{V}_2\text{GeO}_4\text{F}_2$ [chains of VO_4F_2 Octahedra in the First V(III) Metallate Fluoride. 2002 , 165, 74-78	8
1070	Ab Initio Structure Determination of a New Compound, SrGaBO_4 , from Powder X-Ray Diffraction Data. 2002 , 165, 119-124	10

- 1069 Hydrothermal Synthesis and Crystal Structure of an Unusual Compound: $[\text{Cu}(\text{en})_2]_4[\text{SiMo}_8\text{V}_4\text{O}_{40}(\text{VIVO})_2][\text{MoO}_4]_2 \cdot 5\text{H}_2\text{O}$. **2002**, 165, 1-5 6
- 1068 The Synthesis and Crystal Structure of Doped Uranium Brannerite Phases $\text{U}_{1-x}\text{M}_x\text{Ti}_2\text{O}_6$ ($\text{M}=\text{Ca}^{2+}$, La^{3+} , and Gd^{3+}). **2002**, 165, 261-265 26
- 1067 Synthesis of Open-Framework Iron Phosphates, $[\text{C}_6\text{N}_2\text{H}_{14}][\text{Fe}^{\text{III}}_2\text{F}_2(\text{HPO}_4)_2(\text{H}_2\text{PO}_4)_2] \cdot 2\text{H}_2\text{O}$ and $[\text{C}_6\text{N}_2\text{H}_{14}]_2[\text{Fe}^{\text{III}}_3(\text{OH})\text{F}_3(\text{PO}_4)(\text{HPO}_4)_2]_2 \cdot 4\text{H}_2\text{O}$, with One- and Three-Dimensional Structures. **2002**, 165, 334-344 22
- 1066 Complex Polymorphic Behavior and Dielectric Properties of Perovskite-Related $\text{Sr}(\text{Sr}_{1/3}\text{Nb}_{2/3})\text{O}_3$. **2002**, 166, 24-41 19
- 1065 Synthesis and Structure of a New Organic-Inorganic Framework with Tetranuclear Clusters, $[\text{Co}_4(\text{OH})_2(\text{H}_2\text{O})_2](\text{C}_4\text{H}_{11}\text{N}_2)_2[\text{C}_6\text{H}_2(\text{COO})_4]_2 \cdot 3\text{H}_2\text{O}$. **2002**, 166, 158-163 19
- 1064 XANES Study on the Generation and Distribution of Holes via Ca Substitution and O Doping in $\text{Cu}(\text{Ba}_{0.8}\text{Sr}_{0.2})_2(\text{Yb}_{1-x}\text{Ca}_x)\text{Cu}_2\text{O}_{6+z}$. **2002**, 166, 229-236 11
- 1063 The Local Uranium Environment in Cesium Uranates: A Combined XPS, XAS, XRD, and Neutron Diffraction Analysis. **2002**, 166, 320-329 48
- 1062 Hydrothermal Synthesis of Lithium Zinc Phosphates: Structural Investigation of Twinned $\beta\text{-Li}_4\text{Zn}(\text{PO}_4)_2$ and a High Temperature Polymorph $\beta\text{-Li}_4\text{Zn}(\text{PO}_4)_2$. **2002**, 166, 341-351 16
- 1061 New Gallium Phosphate Frameworks Containing 1,4-Diaminobutane and 1,5-Diaminopentane: $[\text{NH}_3(\text{CH}_2)_x\text{NH}_3][\text{Ga}_4(\text{PO}_4)_4(\text{HPO}_4)]$ and $[\text{NH}_3(\text{CH}_2)_x\text{NH}_3][\text{Ga}(\text{PO}_4)(\text{HPO}_4)]$ ($x=4$ and 5). **2002**, 167, 17-27 11
- 1060 Structure Study of $\text{Bi}_{2.5}\text{Na}_{0.5}\text{Ta}_2\text{O}_9$ and $\text{Bi}_{2.5}\text{Na}_m\text{Nb}_{1.5}\text{Nb}_m\text{O}_{3m+3}$ ($m=2-4$) by Neutron Powder Diffraction and Electron Microscopy. **2002**, 167, 86-96 31
- 1059 Structural Investigations of $\text{ACu}_3\text{Ru}_4\text{O}_{12}$ ($\text{A}=\text{Na}$, Ca , Sr , La , Nd)—A Comparison between XRD-Rietveld and EXAFS Results. **2002**, 167, 126-136 49
- 1058 Crystal Structures of Three Framework Alkali Metal Uranyl Phosphate Hydrates. **2002**, 167, 226-236 45
- 1057 Synthesis and Structure of New BiMn_2MO_6 Compounds Where $\text{M}=\text{P}$, As , or V . **2002**, 167, 245-248 27
- 1056 Variable Dimensionality and New Uranium Oxide Topologies in the Alkaline-Earth Metal Uranyl Selenites $\text{AE}[(\text{UO}_2)(\text{SeO}_3)_2]$ ($\text{AE}=\text{Ca}$, Ba) and $\text{Sr}[(\text{UO}_2)(\text{SeO}_3)_2] \cdot 2\text{H}_2\text{O}$. **2002**, 168, 358-366 39
- 1055 The Structure of $\text{Na}_2\text{W}_2\text{O}_7 \cdot 4\text{H}_2\text{O}$ Synthesized under High Pressure and Temperature. **2002**, 167, 525-533 3
- 1054 Structural Study of an Unusual Cubic Pyrochlore $\text{Bi}_{1.5}\text{Zn}_{0.92}\text{Nb}_{1.5}\text{O}_{6.92}$. **2002**, 168, 69-75 198
- 1053 Synthesis and Structure of BiMnVO_5 and BiMnAsO_5 . **2002**, 168, 224-228 15
- 1052 Bond valence parameters linearly dependent on the molybdenum oxidation states. **2002**, 47, 978-981 4

1051	Structure determination at room temperature and phase transition studies above T_c in $ABi_4Ti_4O_{15}$ (A = Ba, Sr or Pb). 2002 , 25, 275-281	27
1050	Giant phonon anomalies in the bond-stretching modes in doped $BaBiO_3$: comparison to cuprates manganites and nickelates. 2002 , 378-381, 89-96	37
1049	Effect of Bi doping on the modulated composite structure of $(Sr_2Cu_2O_3)_{0.70}CuO_2$, $B_{14}Cu_{24}O_{41}$ 2002 , 378-381, 131-136	
1048	Crystal structure of the $Sr_2YCu_2FeO_6+\delta$ system. 2002 , 378-381, 147-151	7
1047	Hydrothermal synthesis and structural characterization of the aluminogermanate analogues of JBW, montesommaite, analcime and paracelsian. 2002 , 52, 65-78	26
1046	Hydrothermal synthesis and crystal structure of a novel compound: $[Ni(phen)_3]_2[SiMo_{10}VIV_2O_{40}(VIVO)_2]\cdot 2H_2O$. 2002 , 5, 509-511	11
1045	Hydrothermal syntheses and crystal structures of new cage-like mixed-valent polyoxovanadates. 2002 , 21, 2601-2608	22
1044	An organic-organic vanadium oxide with one-dimensional ladder-type structure: hydrothermal synthesis, structure and characterization of $[V_4O_{10}(o-phen)_2]$. 2002 , 606, 175-180	15
1043	Hydrothermal synthesis, crystal structure and properties of $[HPDA][H_2PDA]_2[As_2IIIAsMo_8V_4O_{40}]\cdot 3H_2O$ (PDA=propane diamine). 2002 , 606, 211-215	11
1042	Hydrothermal synthesis and X-ray single crystal structure of bimetallic cluster complex $[[Co(phen)_2]_2V_4O_{12}]\cdot 4H_2O$. 2002 , 607, 189-194	20
1041	A highly reduced polyoxoanion with phosphorus-centered alternate layers of Mo/V oxides, $[PMo_2VMo_6VIV_4IVO_{40}(VIVO)_2]_9$ 2002 , 611, 185-191	27
1040	Structure determination of $Cu(I)$ using X-ray diffraction and DFT calculations. 2002 , 516, 16-32	24
1039	Low temperature X-ray study of AX_2O_5 . 2002 , 63, 957-960	59
1038	New picture of high-temperature superconductivity. 2002 , 63, 2309-2314	14
1037	Large cavities with nanosized channels in a three-dimensional neutral framework: structure and properties of a novel oxovanadium arsenate: $As_2VIVVVO_{26}(OH)]\cdot 8H_2O$. 2002 , 169, 160-167	9
1036	Segregation Effects at Grain Boundaries in Fluorite-Structured Ceramics. 2002 , 85, 2359-2363	195
1035	Rare-earth and lead mixed anionic oxoborates. 2002 , 47, 397-403	3
1034	A novel one-dimensional manganese phosphomolybdate with rectangular cavities: $[H_3N(CH_2)_4NH_3](H_3O)_2[[Mn(phen)_2]_4[MnMoV_{12}O_{30}(HPO_4)_6(H_2PO_4)_2]]\cdot 4H_2O$. 2002 , 5, 505-508	35

- 1033 Aluminum orthovanadate (AlVO₄): synthesis and characterization by (27)Al and 51V MAS and MQMAS NMR spectroscopy. **2002**, 41, 6432-9 35
- 1032 X-ray Powder Structure Determination and Thermal Behavior of a New Modification of Pb(II) Selenite. **2002**, 14, 1812-1817 12
- 1031 High-Temperature Lithium Mobility in β -LiZr₂(PO₄)₃ NASICON by Neutron Diffraction. **2003**, 15, 1628-1632 70
- 1030 Hydrothermal preparation of nickel(II)/uranium(IV) fluorides with one-, two-, and three-dimensional topologies. **2003**, 42, 2628-33 15
- 1029 Surface properties of metastable alumina: A comparative study of γ and δ -Al₂O₃. **2003**, 67, 95
- 1028 Synthesis and properties of V₆O₁₆Cu(C₄H₄N₂)₂ × (H₂O)_{(0.22(1))}: charge density matching of a metal-segregated layer structure. **2003**, 42, 4250-2 34
- 1027 Hydrothermal synthesis of a new ethylenediammonium intercalated vanadyl phosphate, (H₃NCH₂CH₂NH₃)_{0.5}[V_{0.32} 4+V_{0.68} 5+O₂PO₄{P(OH)₂}_{0.44}]_{0.44}. **2003**, 115, 33-40 5
- 1026 Multianvil high-pressure/high-temperature preparation, crystal structure, and properties of the new oxoborate β -ZnB₄O₇. **2003**, 5, 281-289 59
- 1025 An organically templated open-framework cadmium selenite. **2003**, 5, 257-262 27
- 1024 Synthesis and crystal structure of the layered compound CuZn(TeO₃)Cl₂. **2003**, 5, 263-266 15
- 1023 Crystal engineering strategy for quadratic nonlinear optics. Part II: Hg(IO₃)₂. **2003**, 5, 359-365 28
- 1022 A novel rigid uranyl tungstate sheet in the structures of Na₂[(UO₂)W₂O₈] and β - and γ -Ag₂[(UO₂)W₂O₈]. **2003**, 5, 373-381 25
- 1021 Hydrothermal synthesis and structural characterization of β -Na₂Si₂O₅ and Na_{1.84}K_{0.16}Si₂O₅. **2003**, 5, 473-480 5
- 1020 High temperature/high pressure synthesis and crystal structure of the new corundum related compound Zn₄Nb₂O₉. **2003**, 5, 459-463 12
- 1019 Reactivity of oxygen of complex cobaltates La_{1-x}Sr_xCoO₃ and LaSrCoO₄. **2003**, 5, 409-417 39
- 1018 The effects of linear diamine chain length in uranium sulfates. **2003**, 5, 1149-1158 34
- 1017 Synthesis and structural investigations on the new Sr_{1.32}Mn_{0.83}Cu_{0.17}O₃ compound. **2003**, 5, 1117-1125 7
- 1016 Crystal structure refinement of the semiconducting compound Cu₂SnSe₃ from X-ray powder diffraction data. **2003**, 38, 1949-1955 80

1015	Sequential implantation of halogen and copper ions in silica glass. 2003 , 206, 353-356	3
1014	Crystal structural characterization of Nd ₂ BaZnO ₅ -type microwave dielectric ceramics with rare-earth substitutions for Nd. 2003 , 79, 273-275	5
1013	Dielectric properties of [(Pb _{0.2} Ca _{0.8}) _{1-x} Sr _x](Ca _{1/3} Nb _{2/3})O ₃ ceramics at microwave frequencies. 2003 , 79, 230-232	17
1012	Effects of Ti ⁴⁺ substitution on microwave dielectric properties of (Pb _{0.2} Ca _{0.8})[(Ca _{1/3} Nb _{2/3}) _{1-x} Ti _x]O ₃ ceramics. 2003 , 79, 233-235	5
1011	New palladium phosphate complexes: K ₂ PdP ₂ O ₇ and K _{3.5} Pd _{2.25} (P ₂ O ₇) ₂ synthesis, single crystal structure and conductivity. 2003 , 38, 865-874	21
1010	Cation disorder in Bi ₂ Ln ₂ Ti ₃ O ₁₂ Aurivillius phases (Ln = La, Pr, Nd and Sm). 2003 , 38, 837-846	52
1009	Structural and vibrational studies of NaZr ₂ (AsO ₄) ₃ . 2003 , 38, 1773-1779	15
1008	A Novel One-Dimensional Chain Complex Composed of Oxo-Centered Trinuclear Manganese Clusters. 2003 , 2003, 2563-2566	27
1007	A Novel Three-Dimensional Metal-Organic Framework Constructed from Two-Dimensional Interpenetrating Layers Based on Trinuclear Cobalt Clusters: [Co ₃ (btec)(C ₂ O ₄)(H ₂ O) ₂] _n . 2003 , 2003, 2567-2571	78
1006	Synthesis, Structure and Magnetic Properties of a New Iron Arsenate, [C ₁₀ N ₄ H ₂₈][{FeF(OH)(HAsO ₄) ₄] ₄ , with a Layer Structure. 2003 , 2003, 3820-3825	14
1005	Lacunary Wells-Dawson Sandwich Complexes I Synthesis, Characterization, and Stability Studies of Multi-Iron Species. 2003 , 2003, 3924-3928	48
1004	Formation and Reactivity of a Tantalocene Trihydride Containing an Aminoethyl-Functionalised Ligand. 2003 , 2003, 633-637	2
1003	Raman spectroscopic study of phase transitions in Li ₃ PO ₄ . 2003 , 34, 77-83	43
1002	Catalysis of oxo transfer to prochiral sulfides by oxovanadium(v) compounds that model the active center of haloperoxidases. 2003 , 9, 4700-8	58
1001	Hydrothermal synthesis, crystal structure and characterization of [Zn(H ₂ O) ₄] ₂ [H ₂ As ₆ V ₁₅ O ₄₂ (H ₂ O)] ₂ ·2H ₂ O. 2003 , 660, 131-137	18
1000	Hydrothermal synthesis and crystal structure of a metal-organic coordination polymer with double-helical structure: [Fe(phen)(ipt)] _n (ipt=isophthalate, phen=1,10-phenanthroline). 2003 , 6, 1347-1349	18
999	Octahedral tilting in ACu ₃ Ru ₄ O ₁₂ (A=Na, Ca, Sr, La, Nd). 2003 , 370, 719-724	21
998	Nanoscale domain switching at crystal surfaces of lithium niobate. 2003 , 377, 475-480	35

- 997 Preparation and photoluminescence of single-crystal zinc selenide nanowires. **2003**, 377, 367-370 126
- 996 A novel chain-like binuclear vanadium(V) coordination polymer containing mixed ligands: hydrothermal synthesis and crystal structure of $[\{VO_2(2,2\text{-bipy})\}_2(tp)]$ $[tp = \text{terephthalate}]$. **2003**, 344, 257-261 14
- 995 Hydrothermal synthesis of polyoxotungstate clusters, surface-modified with M(II)-organonitrogen subunits. **2003**, 348, 150-156 78
- 994 Novel two-dimensional sodium molybdenum phosphates containing $\{M(enMe)_2\}^{2+}$ bridging groups (M=Ni, Cu; enMe=1,2-diaminopropane). **2003**, 349, 85-90 30
- 993 Hydrous ferric oxide: evaluation of Cd-HFO surface complexation models combining Cd(K) EXAFS data, potentiometric titration results, and surface site structures identified from mineralogical knowledge. **2003**, 266, 1-18 43
- 992 Crystallographic modifications of physical properties of lithium niobate crystals by the cation location. **2003**, 249, 507-513 26
- 991 Hydrothermal synthesis and structure of one-dimensional $Co(dien)_2(VO_3)_3 \cdot (H_2O)$ (dien=diethylenetriamine). **2003**, 660, 181-186 9
- 990 Valence degeneracy in $CaCu_3Cr_4O_{12}$. **2003**, 64, 1569-1571 37
- 989 A two-dimensional molybdenum (V) phosphate with covalently bonded transition metal coordination complexes: hydrothermal synthesis and structure characterization of $Na_2[\{Mn(phen)_2(H_2O)\}\{Mn(phen)_2\}_3\{Mn Mo_{12}VO_{24} (HPO_4)_6(PO_4)_2(OH)_6\}] \cdot 4H_2O$ (phen=1, 10-phenanthroline). **2003**, 170, 192-197 44
- 988 Synthesis and characterization of $La_4BaCu_5O_{13+x}$ and $La_4BaCu_5M_xO_{13+x}$ (M=Fe, Co, Ni, Zn). **2003**, 170, 1-8 12
- 987 An organically templated open-framework cobalt germanate. **2003**, 170, 124-129 29
- 986 $[\{(NiOH)_2Mo_{10}O_{36}(PO_4)Ti_2\}_n]_n^{5n-}$ a novel chainlike trimetal heteropolyanion based on pseudo-keggin fragments. **2003**, 170, 232-236 4
- 985 Preparation and crystal structure analysis of $CeCuOS$. **2003**, 170, 182-187 38
- 984 The composite structure of $Cu_{2.33}V_4O_{11}$. **2003**, 172, 319-326 14
- 983 High-pressure preparation, crystal structure, and properties of the new rare-earth oxoborate $Dy_2B_4O_9$. **2003**, 170, 320-329 42
- 982 Synthesis and characterization of mixed metal organic-inorganic hybrid compounds with a pillared layer structure: $CuVO_2(4,4\text{-bpy})(XO_4)$ (X=P, As). **2003**, 172, 194-199 18
- 981 $Sr_{18}Ru_{1.9}Bi_{4.1}O_{33}$: crystallization of a Ru(V)/Bi(V) oxide from molten hydroxide. **2003**, 173, 203-208 4
- 980 Synthesis and structure of three manganese oxalates: $MnC_2O_4 \cdot 2H_2O$, $[C_4H_8(NH_2)_2][Mn_2(C_2O_4)_3]$ and $Mn_2(C_2O_4)(OH)_2$. **2003**, 172, 212-218 35

979	Hydrothermal synthesis and characterization of layered vanadium phosphite: $[\text{HN}(\text{C}_2\text{H}_4)_3\text{N}][(\text{VO})_2(\text{HPO}_3)_2(\text{OH})(\text{H}_2\text{O})] \cdot 4\text{H}_2\text{O}$. 2003 , 172, 464-470	26
978	Synthesis, crystal structure, and magnetic properties of the manganate $\text{La}_2\text{Ca}_2\text{MnO}_6(\text{O}_2)$ related to the hexagonal perovskite-type structure. 2003 , 175, 124-131	13
977	$\text{BaO} \cdot \text{Nd}_2\text{O}_3 \cdot \text{CuO}_x$ subsolidus equilibria under carbonate-free conditions at $p\text{O}_2=100$ Pa and at $p\text{O}_2=21$ kPa. 2003 , 173, 476-488	21
976	Tripotassium trichromium (III) tetraarsenate $\text{K}_3\text{Cr}_3(\text{AsO}_4)_4$: synthesis, structural study, IR spectroscopy characterization and ionic behavior. 2003 , 173, 273-279	15
975	Syntheses, structures, and second-harmonic generating properties in new quaternary tellurites: $\text{A}_2\text{TeW}_3\text{O}_{12}$ (A=K, Rb, or Cs). 2003 , 175, 3-12	109
974	Synthesis and characterization of two-dimensional fluorinated metal phosphates incorporating 2,2'-bipyridine ligands: $\text{M}_2\text{F}_2(2,2'\text{-bpy})(\text{HPO}_4)_2(\text{H}_2\text{O})$ (M=Fe, Ga). 2003 , 172, 6-11	27
973	Alignment of acentric MoO_3F_3 anions in a polar material: $(\text{Ag}_3\text{MoO}_3\text{F}_3)(\text{Ag}_3\text{MoO}_4)\text{Cl}$. 2003 , 175, 27-33	325
972	Structural distortions in the layered perovskites CsANb_2O_7 (A=Nd, Bi). 2003 , 173, 309-313	44
971	Synthesis and crystal structure of new uranyl tungstates $\text{M}_2(\text{UO}_2)(\text{W}_2\text{O}_8)$ (M=Na, K), $\text{M}_2(\text{UO}_2)_2(\text{WO}_5)\text{O}$ (M=K, Rb), and $\text{Na}_{10}(\text{UO}_2)_8(\text{W}_5\text{O}_{20})\text{O}_8$. 2003 , 172, 305-318	35
970	Crystal structure and cation transport properties of the layered monodiphosphates $\text{Rb}_6\text{Bi}_4(\text{PO}_4)_2(\text{P}_2\text{O}_7)_3$. 2003 , 173, 342-349	11
969	Synthesis, structure and magnetic characterization of a one-dimensional iron phosphate, $[\text{NH}_3\text{CH}_2\text{CH}_2\text{CH}(\text{NH}_3)\text{CH}_2\text{CH}_3]_2 \cdot ?1[\text{FeF}(\text{HPO}_4)_2]_2$. 2003 , 173, 367-373	13
968	Comparison of one-, two-, and three-dimensional iron phosphates containing ethylenediamine. 2003 , 175, 63-71	10
967	A layered vanadium arsenate network decorated with the directly coordinated organonitrogen ligands: $[\text{V}_4\text{O}_7(\text{HAsO}_4)_2(\text{o-phen})_2]$ (o-phen=o-phenanthroline). 2003 , 175, 146-151	16
966	Synthesis, crystal structure and electrical characterization of two new potassium uranyl molybdates $\text{K}_2(\text{UO}_2)_2(\text{MoO}_4)_2\text{O}_2$ and $\text{K}_8(\text{UO}_2)_8(\text{MoO}_5)_3\text{O}_6$. 2003 , 174, 19-31	38
965	Neutron powder diffraction study of nuclear and magnetic structures of oxidized and reduced $\text{YBa}_2\text{Fe}_3\text{O}_{8+w}$. 2003 , 174, 87-95	22
964	The synthesis, crystal chemistry and structures of Y-doped brannerite $(\text{U}_{1-x}\text{Y}_x\text{Ti}_2\text{O}_6)$ and thorutite $(\text{Th}_{1-x}\text{Y}_x\text{Ti}_2\text{O}_6)$ phases. 2003 , 174, 329-333	33
963	The structural chemistry of Bi_4MO_4 (M=Cr, Mo, W) phases: bismuth oxides containing discrete MO_4 tetrahedra. 2003 , 175, 197-206	41
962	Synthesis, characterization and dielectric properties of new unidimensional quaternary tellurites: LaTeNbO_6 , $\text{La}_4\text{Te}_6\text{Nb}_2\text{O}_{23}$, and $\text{La}_4\text{Te}_6\text{Ta}_2\text{O}_{23}$. 2003 , 175, 264-271	23

- 961 Crystal structure analysis of tricalcium phosphate $\text{Ca}_3(\text{PO}_4)_2$ by neutron powder diffraction. **2003**, 175, 272-277 351
- 960 New alkali metal molybdenum(VI) selenium(IV) oxides: syntheses, structures, and characterization of A_2SeMoO_6 (A=Na⁺, K⁺, or Rb⁺). **2003**, 174, 441-449 62
- 959 Structures and syntheses of framework triuranyl diarsenate hydrates. **2003**, 176, 18-26 36
- 958 A DFT study of lithium battery materials: application to the MVOXO_4 systems (X=P, As, S). **2003**, 176, 556-566 16
- 957 Impetus for solvothermal synthesis technique: synthesis and structure of a novel 1-D borophosphate using ionic liquid as medium. **2003**, 176, 33-36 22
- 956 Hydrothermal syntheses, crystal structures and magnetic properties of two inorganic-organic hybrid materials: $[\{\text{Cu}(\text{phen})\}_2(\text{VO}_2)_2\text{V}(\text{VO}_2)(\text{H}_2\text{O})(\text{PO}_4)_2]$ and $[\text{V}_4\text{O}_7(2,2'\text{-bpy})_2(\text{HPO}_4)_2]$ (phen=1,10-phenanthroline, bpy=bipyridine). **2003**, 176, 69-75 13
- 955 $[\text{Bi}_6\text{O}_{4.5}(\text{OH})_{3.5}]_2(\text{NO}_3)_{11}$: a new anhydrous bismuth basic nitrate. Synthesis and structure determination from twinned crystals. **2003**, 176, 127-136 46
- 954 Hydrothermal synthesis and crystal structure of a three-dimensional vanadium tellurite $\text{V}_4\text{Te}_4\text{O}_{18}$. **2003**, 176, 159-164 27
- 953 Structures and synthesis of framework Rb and Cs uranyl arsenates and their relationships with their phosphate analogues. **2003**, 175, 372-379 29
- 952 A comparison of coordination ability of hetero atoms: a Li⁺ and Na⁺ selective pyridinophane-based cryptand. **2003**, 44, 5087-5089 7
- 951 Hydrogen bonds in solid hydroxides, a bond valence approach. **2003**, 648, 171-176 15
- 950 Hydrothermal synthesis and crystal structure of an one-dimensional mixed-valence molybdenum oxide $[\text{Mo}_3\text{O}_8(2,2'\text{-bipy})_2]$. **2003**, 649, 191-195 14
- 949 Hydrothermal synthesis and crystal structure of a novel three-dimensional mixed-valence iron coordination polymer $[\text{Fe}_2\text{III}\text{Fe}_1\text{IO}_2(\text{IN})_2(\text{ox})]$ (IN=isonicotinate, ox=oxalate). **2003**, 650, 115-122 6
- 948 Hydrothermal synthesis and characterization of an asymmetric binuclear molybdenum complex with oxalate ligand, $\text{NH}_4(\text{enH}_2)_0.5[\text{Co}(\text{en})_3][\text{Mo}_2\text{O}_7(\text{C}_2\text{O}_4)]\cdot 4\text{H}_2\text{O}$. **2003**, 654, 55-60 11
- 947 Hydrothermal synthesis and crystal structure of a new open-framework 3-D vanadium phosphate: $[\text{C}_2\text{N}_2\text{H}_{10}]\{(\text{VO})(\text{VO}_2)[\text{V}(\text{OH}_2)](\text{PO}_{3.5})_4\}\cdot 4\text{H}_2\text{O}$. **2003**, 654, 95-101 11
- 946 Hydrolysis of N,N-dimethylformamide catalyzed by the Keggin $\text{H}_3[\text{PMo}_{12}\text{O}_{40}]$: isolation and crystal structure analysis of $[(\text{CH}_3)_2\text{NH}_2]_3[\text{PMo}_{12}\text{O}_{40}]$. **2003**, 654, 215-221 45
- 945 Polyoxometal cations within polyoxometalate anions. Seven-coordinate uranium and zirconium heteroatom groups in $[(\text{UO}_2)_{12}(\beta\text{-O})_4(\eta\text{-H}_2\text{O})_{12}(\text{P}_2\text{W}_{15}\text{O}_{56})_4]_{32}$ and $[\text{Zr}_4(\beta\text{-O})_2(\eta\text{-OH})_2(\text{H}_2\text{O})_4(\text{P}_2\text{W}_{16}\text{O}_{59})_2]_{14}$. **2003**, 656, 101-106 97
- 944 Hydrothermal synthesis and characterization of $(\text{enH}_2)_{3.5}[\text{As}_8\text{V}_{14}\text{O}_{42}(\text{PO}_4)]\cdot 2\text{H}_2\text{O}$. **2003**, 655, 207-213 3

943	Selective incorporation of lanthanide ions: the ytterbium substituted tungstoarsenate [YbAs ₂ W ₂₀ O ₆₈ (H ₂ O) ₃] ₇ · 2003, 656, 93-100	21
942	Hydrothermal synthesis and crystal structure of a novel polyoxomolybdate with the hydroxylated N-heterocycle ligand: Mo ₂ O ₅ (ophen) ₂ (Hophen=2-hydroxy-1,10-phenanthroline). 2003, 659, 13-21	15
941	Structure and characterization of a mixed valent iron molybdophosphate: (NH ₃ CH ₂ CH ₂ NH ₃) ₈ (H ₃ O) _{1.3} Fe ^{II} _{0.3} Fe ^{III} _{0.7} Mo ₁₂ O ₃₂ (HPO ₄) ₂ (H ₂ PO ₄) ₆ (OH) ₆ · 8.7H ₂ O. 2003, 658, 17-23	14
940	Hydrothermal synthesis and characterization of (enH ₂) _{3.5} [As ₈ V ₁₄ O ₄₂ (PO ₄) ₂] · 2H ₂ O. 2003, 657, 397-403	15
939	Crystal structure of a covalent intermediate of endogenous human arylsulfatase A. 2003, 96, 386-92	34
938	Synthesis, crystal structure and magnetic properties of novel Mn ₁₂ single-molecule magnets with thiophenecarboxylate, [Mn ₁₂ O ₁₂ (O ₂ CC ₄ H ₃ S) ₁₆ (H ₂ O) ₄], and its tetraphenylphosphonium salt. 2003, 22, 1795-1801	33
937	Synthesis and structural characterization of [HxCp*TiMo ₅ O ₁₈](3x) (x=0, 1, 2); new insights into protonation patterns in polyoxometalates. 2003, 22, 2847-2854	9
936	Synthesis and properties of TiSr ₂ (RE _{1-x} Ce _x) ₂ Cu ₂ O _z (RE=Sm, Eu, Gd). 2003, 388-389, 397-398	2
935	Synthesis, structure and superconducting properties of the (Hg _{0.65} V _{0.35})Sr ₂ (Nd _{1-x} Sr _x)Cu ₂ O _{6+δ} system. 2003, 391, 160-168	1
934	Hydrothermal synthesis and characterization of a novel two-dimensional framework materials constructed from the polyoxometalates and coordination groups: [As ₈ IV ₁₄ VO ₄₂ (CO ₃)] ₂ [Cu(en) ₂] ₃ · 10H ₂ O. 2003, 6, 259-261	46
933	Inorganic-organic hybrid material containing cage: {[H ₂ (en)]Co ₂ (ox)(V ₄ O ₁₂) _n }. 2003, 6, 370-373	6
932	A novel coordination polymer with double chains structure: hydrothermal syntheses, structures and magnetic properties of [Cu(phen)(H ₂ O) ₂ SO ₄] _n (phen=1,10-phenanthroline). 2003, 6, 740-743	34
931	A novel two-dimensional organic-organic hybrid compound with a (4,6)-lattice-type network: {[Co(H ₂ O) ₂][Co ₂ (phen) ₂ (btc) ₂] _n (btc=benzene-1,2,4-tricarboxylate). 2003, 6, 728-732	10
930	Di-2-pyridyl ketone oxime in 3d-metal carboxylate cluster chemistry: a new family of mixed-valence Mn ^{II} Mn ^{III} complexes. 2003, 6, 1056-1060	38
929	A new 2-D selenic vanadate network decorated by a coordination complex fragment: [Cu(phen)(H ₂ O) ₂][V ₃ Se ₃ O ₁₄] · H ₂ O. 2003, 6, 1091-1095	9
928	Atomic packing and octahedral linking model of lithium niobate single crystals. 2003, 23, 399-402	18
927	Spectroscopic properties of Yb-doped scandium based compounds Yb:CaSc ₂ O ₄ , Yb:Sc ₂ O ₄ and Yb:Sc ₂ SiO ₅ . 2003, 22, 107-115	54
926	⁵⁹ Co, ²³ Na NMR and electric field gradient calculations in the layered cobalt oxides NaCoO ₂ and HCoO ₂ . 2003, 23, 243-62	21

- 925 Dielectric property-microstructure relations in Co-O doped (Y_{2-x}Sm_x)BaCuO₅ ceramics. **2003**, 23, 2603-2606 3
- 924 Distribution and incorporation of zinc in biological calcium phosphates. **2003**, 32, 387-395 22
- 923 Synthesis and Structure of a One-Dimensional Aluminum Phosphate, [NH₃(CH₂)₂NH₂(CH₂)₃NH₃]₃⁺ [Al(PO₄)₂]₃⁻ **2003**, 629, 339-343 5
- 922 Characterization by Multinuclear High-Resolution NMR of Hydration Products in Activated Blast-Furnace Slag Pastes. **2003**, 86, 1712-1719 51
- 921 Crystal structure of magnesioferrikatophorite. **2003**, 48, 16-23 5
- 920 Interrelation of structural features and vibrational dynamics of atoms in the crystal lattice of lithium orthogermanate in the superionic state. **2003**, 45, 1549-1556
- 919 Magnetic and structural properties of the Brown phase-solid solution Ba(Nd_{2-x}Lax)CuO₅. **2003**, 390, 213-220 2
- 918 The crystal structure of Hg_{0.75}Mo_{0.25}Sr₂CuO_{4.5+δ} determined by neutron powder diffraction. **2003**, 391, 230-236 1
- 917 A novel organic-inorganic hybrid material with fluorescent emission: [Cd(PT)(H₂O)]_n (PT = phthalate). **2003**, 27, 1144-1147 112
- 916 Aggregate manganese Schiff base moieties by terephthalate or acetate: dinuclear manganese and trinuclear mixed metal Mn₂/Na complexes. **2003**, 42, 3540-8 40
- 915 Mixed Ground-State in the Trinuclear Complex: [Mn₃O(O₂CCl₃)₆(H₂O)₃]. **2003**, 50, 1139-1146 3
- 914 Theoretical analysis and empirical manifestation of the distortion theorem. **2003**, 218, 26
- 913 A novel three-dimensional network constructed from tetramolybdate clusters linked via two types of copper complex fragments: synthesis, characterization, and magnetic behavior of [[CuII(2,2'-bpy)][CuII(IN)₂][Mo₄O₁₂(OH)₂]]. **2003**, 42, 6956-8 95
- 912 Pr at Gd or Ba site in GdBa₂Cu₃O₇: Appearance of superconductivity. **2003**, 68, 31
- 911 Heptanuclear and decanuclear manganese complexes with the anion of 2-hydroxymethylpyridine. **2003**, 42, 7067-76 121
- 910 New two-dimensional metal-organic networks constructed from 1,2,4,5-benzenetetracarboxylate and chelate ligands. **2003**, 42, 3119-24 152
- 909 Syntheses, structures, and characterization of new lead(II)-tellurium(IV)-oxide halides: Pb₃Te₂O₆X₂ and Pb₃TeO₄X₂ (X = Cl or Br). **2003**, 42, 205-9 37
- 908 Exploration of composition space in templated uranium sulfates. **2003**, 42, 6989-95 68

907	Controlled structural variations in templated uranium sulfates. 2003 , 42, 5949-53	55
906	An organically templated cobalt-vanadium oxide with beta cage units: hydrothermal synthesis and x-ray structural characterization of $(C(2)H(10)N(2))[Co(2)(C(2)O(4))V(4)O(12)]$. 2003 , 42, 1170-4	18
905	Spontaneous growth and luminescence of zinc sulfide nanobelts. 2003 , 82, 1769-1771	164
904	$NaV_{1-x}P_2S_6$ ($x=0.16$): A New Compound with Infinite Straight $(1/\sqrt{10})[V_0.837P_2S_6]$ -Chains that Exfoliate Forming Gels. 2003 , 15, 2323-2327	16
903	Hydrothermal synthesis and structure of a new helical chain constructed from only molybdenum-oxide building blocks. 2003 , 42, 7342-4	62
902	Hydrothermal synthesis, crystal structure, and solid-state NMR spectroscopy of a new indium silicate: $K_2In(OH)(Si_4O_{10})$. 2003 , 42, 4057-61	27
901	A novel manganese(II) complex with phen ligands: hydrothermal synthesis, structure and magnetic properties of $[Mn(phen)(H_2O)_4]SO_4 \cdot 2H_2O$. 2003 , 56, 1329-1337	1
900	Polyoxomolybdates functionalized with phosphonocarboxylates. 2003 , 42, 1158-62	62
899	Synthesis, crystal structure, and characterization of the first Nb(3) triangular cluster compound bonded to fluorine ligands: association of Nb(3)I(i)F(i)(3)F(a)(8)L(a) units and Nb(IV)L(6) Octahedra with L=O and F. 2003 , 42, 1101-6	4
898	Yttrium polyoxometalates. Synthesis and characterization of a carbonate-encapsulated sandwich-type complex. 2003 , 42, 8600-2	87
897	β - $Bi_2Sn_2O_7$ 176 atom crystal structure from powder diffraction data. 2003 , 13, 2098-2103	61
896	Hydrothermal preparation, structures, and NLO properties of the rare earth molybdenyl iodates, $RE(MoO_2)(IO_3)_4(OH)$ [RE = Nd, Sm, Eu]. 2003 , 42, 457-62	103
895	Structure, magnetism, and electrochemistry of the multinickel polyoxoanions $[Ni_6As_3W_{24}O_{94}(H_2O)_2]^{17-}$, $[Ni_3Na(H_2O)_2(AsW_9O_{34})_2]^{11-}$, and $[Ni_4Mn_2P_3W_{24}O_{94}(H_2O)_2]^{17-}$. 2003 , 42, 5143-52	145
894	New vanadium phosphate $([(phen)VIVO]_2(VV_2O_5)(HPO_4))_n$ with chiral layer architecture. 2003 , 42, 3107-10	34
893	Do secondary and tertiary ammonium cations act as structure-directing agents in the formation of layered uranyl selenites?. 2003 , 42, 5693-8	33
892	First-Principle Study of the Intercalation Process in the $LixV_2O_5$ System. 2003 , 15, 1812-1819	45
891	The PcoC copper resistance protein coordinates Cu(I) via novel S-methionine interactions. 2003 , 125, 342-3	52
890	Reactant-Mediated Diversity in Uranyl Phosphonates. 2003 , 15, 1449-1455	50

889	Synthesis and Characterization of a New Layered Ethylene-Diammonium Manganese(II) Phosphate, (C ₂ N ₂ H ₁₀)Mn ₂ (PO ₄) ₂ ·2H ₂ O. 2003 , 15, 4968-4973	25
888	Amine-templated linear vanadium sulfates with different chain structures. 2003 , 42, 2004-13	52
887	Systematic Study on Crystal Structure and Properties of FeSr ₂ LnCu ₂ O ₇ + δ (Ln = La, Nd, Sm, Eu, Gd, Dy, Ho, Er, and Yb). 2003 , 15, 4987-4995	0
886	Cation-cation interactions in neptunyl(V) compounds: hydrothermal preparation and structural characterization of NpO ₂ (IO ₃) and alpha- and beta-AgNpO ₂ (SeO ₃). 2003 , 42, 3788-95	82
885	Structural topology of potassium uranyl chromates: crystal structures of K ₈ [(UO ₂)(CrO ₄) ₄](NO ₃) ₂ , K ₅ [(UO ₂)(CrO ₄) ₃](NO ₃)(H ₂ O) ₃ , K ₄ [(UO ₂) ₃ (CrO ₄) ₅](H ₂ O) ₈ and K ₂ [(UO ₂) ₂ (CrO ₄) ₃ (H ₂ O) ₂](H ₂ O) ₄ . 2003 , 218,	44
884	AIM and ELF Analyses and Gas-Phase Acidities of Some Main-Group Oxyacids (HzXO ₄ , X = Cl, S, P, Si and Br, Se, As, Ge). 2003 , 107, 4276-4285	23
883	Synthesis, Crystal Structure, Magnetic Susceptibility, and Mössbauer Spectroscopy of a Mixed-Valence Organic-Inorganic Hybrid Compound: (H ₃ DETA)[Fe ₃ (C ₂ O ₄) ₂ (HPO ₄) ₂ (PO ₄)] (DETA = Diethylenetriamine). 2003 , 15, 1633-1638	42
882	X-ray absorption fine structure study of As(V) and Se(IV) sorption complexes on hydrous Mn oxides. 2003 , 67, 1937-1953	172
881	Thermal expansion of cubic Si ₃ N ₄ with the spinel structure. 2003 , 351, 40-42	19
880	Crystal structure and physical properties of FeSr ₂ GdCu ₂ O ₇ + δ 2003 , 351, 47-49	2
879	Subsolidus phase relations of the constant copper oxide content (50 mol%) section in the PrO _{11/6} BaO ₁₁ LaO ₁₁ CuO system at 950°C. 2003 , 360, 316-321	1
878	Magnetic and electronic properties of strontium hexaferrite SrFe ₁₂ O ₁₉ from first-principles calculations. 2003 , 15, 6229-6237	75
877	Bond valence sums in coordination chemistry. The calculation of the oxidation state of cerium in complexes containing cerium bonded only to oxygen. 2003 , 42, 118-21	71
876	Atomic-scale model of the grain boundary potential in perovskite oxides. 2003 , 68,	38
875	Geometrical isomerism in uranyl chromates I. Crystal structures of (UO ₂)(CrO ₄)(H ₂ O) ₂ , [(UO ₂)(CrO ₄)(H ₂ O) ₂](H ₂ O) and [(UO ₂)(CrO ₄)(H ₂ O) ₂] ₄ (H ₂ O) ₉ . 2003 , 218,	38
874	Geometrical isomerism in uranyl chromates II. Crystal structures of Mg ₂ [(UO ₂) ₃ (CrO ₄) ₅](H ₂ O) ₁₇ and Ca ₂ [(UO ₂) ₃ (CrO ₄) ₅](H ₂ O) ₁₉ . 2003 , 218,	34
873	Structure and Magnetic Properties of Sr ₂ CoWO ₆ : An Ordered Double Perovskite Containing Co ²⁺ (HS) with Unquenched Orbital Magnetic Moment. 2003 , 15, 1655-1663	95
872	Modified polyoxometalates: Hydrothermal syntheses and crystal structures of three novel reduced and capped Keggin derivatives decorated by transition metal complexes. 2003 , 42, 3670-6	180

871	Magnetic Structures of the Triphylite LiFePO ₄ and of Its Delithiated Form FePO ₄ . 2003 , 15, 4082-4090	275
870	Manganous heteropolytungstates. Synthesis and heteroatom effects in Wells-Dawson-derived sandwich complexes. 2003 , 2646-2650	44
869	Synthesis, structure and lithium-ion conductivity of Li _{2-x} Mg _{2+x} (MoO ₄) ₃ and Li ₃ M(MoO ₄) ₃ (M=Cr, Fe). 2003 , 13, 1797-1802	59
868	A new polymeric chain formed by paradodecatungstate clusters and [Cu(en) ₂] ²⁺ complexes: hydrothermal synthesis and characterization of [Cu(en) ₂] ₃ [Cu(en) ₂] ₂ (H ₂ W ₁₂ O ₄₂)·12H ₂ O. 2003 , 2474-2477	74
867	Solid state coordination chemistry of oxomolybdenum organoarsenate materials. 2003 , 42, 7460-71	82
866	Heteropolymolybdates of phosphate, phosphonate, and phosphite functionalized by glycine. 2003 , 42, 1135-9	75
865	A Novel Keggin Units-Supported Complex: Synthesis, Characterization and Crystal Structure of [(CH ₃) ₂ NH ₂] ₆ [Cu(DMF) ₄ (GeW ₁₂ O ₄₀) ₂]·2DMF. 2003 , 56, 523-530	9
864	A first example of polyoxotungstate-based giant molecule. Synthesis and molecular structure of a tetrapod-shaped Ti ^{IV} bridged anhydride form of Dawson tri-titanium(IV)-substituted polyoxotungstate. 2003 , 3581-3586	39
863	Self-assembly of a polar open-framework uranyl vanadyl hexaaxiodate(VII) constructed entirely from distorted octahedral building units in the first uranium hexaaxiodate: K ₂ [(UO ₂) ₂ (VO) ₂ (IO ₆) ₂ O]·H ₂ O. 2003 , 42, 2179-81	50
862	Bond valence sums in coordination chemistry. The calculation of the oxidation state of samarium in complexes containing samarium bonded only to oxygen. 2003 , 42, 2725-8	32
861	Occurrence of superconductivity in R _{2-z} Ce _z CuO ₄ and related compounds. 2003 , 83, 527-537	7
860	Mixed-valence phosphatohydrogenphosphatoiron network compounds 1[(C ₄ N ₂ H _{11.6})] _{1.5} [Fe ^{II} Fe ^{III} (PO ₄)(H _{0.8} PO ₄) ₂]·H ₂ O and 3[Fe ^{II} Fe ^{III} (PO ₄) ₂ (H _{0.5} PO ₄) ₄]: structure elucidation with the help of Mössbauer spectroscopy and a caveat on X-ray diffraction. 2003 , 2815-2823	12
859	Crystal structure of calcium zirconium diorthophosphate, CaZr(PO ₄) ₂ . 2003 , 18, 296-300	24
858	Ab Initio Determination of Edge Surface Structures for Dioctahedral 2:1 Phyllosilicates: Implications for Acid-Base Reactivity. 2003 , 51, 359-371	113
857	Atomic layer chemical vapor deposition of ZrO ₂ -based dielectric films: Nanostructure and nanochemistry. 2003 , 93, 4144-4157	36
856	Phase formation and lattice strain in superconducting compound Y _{1-x} LaxBa ₂ Cu ₃ O _y (0. 2003 , 68,	16
855	YCa ₃ (MnO) ₃ (BO ₃) ₄ : A manganese borate containing ferromagnetic chains on a kagomelattice. 2003 , 68,	19
854	Structural modulation, hole distribution, and hole-ordered structure of the incommensurate composite crystal (Sr ₂ Cu ₂ O ₃) _{0.70} CuO ₂ . 2003 , 68,	24

- 853 Organically Templated Linear and Layered Iron Sulfates. **2003**, 15, 1174-1180 83
- 852 High pressure mixed alkali disilicates in the system $\text{Na}_2\text{K}_x\text{Si}_2\text{O}_5$: hydrothermal synthesis and crystal structures of $\text{NaKSi}_2\text{O}_5\text{-II}$ and $\text{Na}_{0.67}\text{K}_{1.33}\text{Si}_2\text{O}_5$. **2003**, 218, 413-420 6
- 851 Room- and high-temperature single crystal diffraction studies on $\text{Na}_2\text{Si}_2\text{O}_5$: an interrupted framework with exclusively Q³-units. **2003**, 218, 421-431 13
- 850 Synthesis and characterization of a novel organically templated open framework zirconogermanate with three- and seven-membered rings. **2003**, 42, 5960-5 15
- 849 Electron Charge Density Study on the Bonding Nature in MoO_3 . **2003**, 72, 2811-2815 8
- 848 Structural Study of Inhomogeneous Charge Distribution of Inequivalent CuO_2 Planes in $\text{Bi}_{2.1}\text{Sr}_{1.9}\text{Ca}_2\text{Cu}_3\text{O}_{10}$ Single Crystals. **2003**, 72, 2924-2929 7
- 847 $[\{\{\text{Zn}(\text{en})_2\}_2\text{As}_6\text{V}_{15}\text{O}_{42}(\text{H}_2\text{O})\}_2\{\text{Zn}(\text{en})_2\}]_2 \cdot 2\text{H}_2\text{O} \cdot 3\text{H}_2\text{O}$. The First Dimeric Arsenic-Vanadium Cluster Linked by $\text{Zn}(\text{en})_2$ Complex Bridge. **2003**, 32, 810-811 19
- 846 Synthesis of a Reduced Tridecavanadate Dimer Linked by Eight Hydrogen Bonds. **2003**, 32, 1040-1041 16
- 845 $\text{PbY}_{1-x}\text{Ca}_x\text{Ba}_2\text{Cu}_3\text{O}_{7F_2}$: synthesis, structure and superconductivity. **2004**, 17, 963-970 7
- 844 Syntheses, spectroscopic characterization, thermal behavior, electrochemistry and crystal structures of two novel pyridine metatungstates. **2004**, 57, 935-946 6
- 843 Non-metamict betafite from Le Carcarelle (Vico volcanic complex, Italy): occurrence and crystal structure. **2004**, 68, 939-950 17
- 842 On the low-temperature structure and magnetic behaviour of $\text{Na}_{1.286}\text{V}_2\text{O}_5$. **2004**, 16, S629-S634
- 841 The effect of Sr substitution on superconductivity in $\text{Hg}_2(\text{Ba}_{1-y}\text{Sr}_y)_2\text{YCu}_2\text{O}_8$: II. A bond valence sum approach to the hole distribution. **2004**, 16, 4077-4087 1
- 840 High-pressure neutron diffraction study of the quasi-one-dimensional cuprate Sr_2CuO_3 . **2004**, 70, 7
- 839 Correlations between the structure and dielectric properties of $\text{Pb}(\text{Sc}_{2/3}\text{W}_{1/3})\text{O}_3$ $\text{Pb}(\text{Ti}/\text{Zr})\text{O}_3$ relaxors. **2004**, 69, 44
- 838 Long- and short-range magnetic order, charge transfer, and superconductivity in $\text{YBa}_2\text{Cu}_3\text{Co}_x\text{O}_7$. **2004**, 69, 5
- 837 Olivines, their polymorphs and related silicates (Text, tables). 42-94
- 836 Hydrothermal synthesis and crystal structure of a novel Metatungstate $[\text{Cu}_{(2,2\text{-}bipy)_3}]_2\text{H}_2[\text{H}_2\text{W}_{12}\text{O}_{40}] \cdot 4.5\text{H}_2\text{O}$. **2004**, 57, 411-416 5

- 835 Structural properties of the geometrically frustrated pyrochlore Tb₂Ti₂O₇. **2004**, 69, 45
- 834 Polyhedral control of the rhombohedral to cubic phase transition in LaAlO₃ perovskite. **2004**, 16, 8763-8773 39
- 833 The Contribution To Bond Valences By Lone Electron Pairs. **2004**, 848, 365 1
- 832 Temperature-stable microwave dielectric ceramics in the Ca₅A₂Ti_{1-x}Zr_xO₁₂ (A = Nb, Ta) system. **2004**, 19, 2922-2928 15
- 831 The structure of the pantothenate kinase-ADP-pantothenate ternary complex reveals the relationship between the binding sites for substrate, allosteric regulator, and antimetabolites. **2004**, 279, 35622-9 42
- 830 Hydrothermal synthesis and characterization of a novel polyoxometallate-templated three-dimensional supramolecular network. **2004**, 57, 615-626 3
- 829 Investigating the Structure-Property Relationships at Grain Boundaries in MgO Using Bond-Valence Pair Potentials and Multiple Scattering Analysis. **2004**, 82, 366-372 6
- 828 A New Metastable Thin-Film Strontium Tantalate Perovskite. **2004**, 82, 2101-2105 8
- 827 Synthesis, structure and microstructure of the layered compounds Ln_{1-x}Sr_{1+x}CoO₄ (Ln: La, Nd and Gd). **2004**, 6, 21-27 57
- 826 Synthesis and crystal structure of the alkaline-earth thallates MnTl₂O_{3+n} (M=Ca,Sr). **2004**, 6, 433-441 12
- 825 A reinvestigation of the crystal structure of β -Pb₂BiVO₆. **2004**, 6, 783-790 9
- 824 Mixed valence oxide ((Sb,As)₂O)Mo₄₅+Mo₆₆+O₃₀: synthesis, crystal structure and physical properties. **2004**, 6, 799-808 1
- 823 Crystal structure of the mixed Mn⁴⁺/Mn⁵⁺ 2H-perovskite-type Ba₄Mn₂NaO₉ oxide. **2004**, 6, 931-938 13
- 822 Crystal structure and lithium insertion properties of orthorhombic Li₂TiFe(PO₄)₃ and Li₂TiCr(PO₄)₃. **2004**, 6, 1113-1120 21
- 821 Composition and electronic structure of Zn_{7-x}M_xSb₂O₁₂ (M=Ni and Co) spinel compounds. **2004**, 85, 377-382 15
- 820 Synthesis and characterization of novel 6-H perovskites Ba₂Co_{2-x}Sb_xO₆, 0.6 ≤ x ≤ 0.8 and x = 1.33 (Ba₃CoSb₂O₉). **2004**, 39, 1013-1022 4
- 819 One-dimensional lone electron pair micelles in the crystal structure of Pb₅(SiO₄)(VO₄)₂. **2004**, 39, 1717-1722 16
- 818 The electronic contribution to the specific heat of NdBa₂(Cu₃)₂O_{6+x}. **2004**, 41, 471-478 5

- 817 Flux dynamics, superconducting, and normal state properties of $\text{Gd}(\text{Ba}_{1-x}\text{Pr}_x)\text{Cu}_3\text{O}_{7+\delta}$. **2004**, 42, 321-336 10
- 816 Syntheses, structures, and photoluminescence of a novel class of d10 metal complexes constructed from pyridine-3,4-dicarboxylic acid with different coordination architectures. **2004**, 43, 1850-6 337
- 815 A family of manganese rods: syntheses, structures, and magnetic properties. **2004**, 126, 15445-57 159
- 814 Hydrothermal synthesis and characterization of new hybrid open-framework indium phosphate-oxalates. **2004**, 49, 658-664 8
- 813 Predictability of ion transport properties from the structure of solid electrolytes. **2004**, 10, 317-326 9
- 812 The titration of clay minerals II. Structure-based model and implications for clay reactivity. **2004**, 273, 234-46 125
- 811 The influence of Th substitution on the crystal structure and the crystal field spectrum of the high-Tc superconductor $\text{HoBa}_2\text{Cu}_3\text{O}_{6.95}$. **2004**, 350, E335-E337
- 810 Cyclic Bis(trifluoromethyl)borates $[\text{cyclo-O}(\text{CH}_2)_n\text{B}(\text{CF}_3)_2]_n$: structure of $\text{Cs}[\text{cyclo-O}(\text{CH}_2)_4\text{B}(\text{CF}_3)_2]$. **2004**, 125, 975-980 15
- 809 Syntheses, crystal structures and biological relevance of glycolato and S-lactato molybdates. **2004**, 98, 1037-44 34
- 808 Layered perovskite-related ruthenium oxychlorides: crystal structure of two new compounds $\text{Ba}_5\text{Ru}_2\text{Cl}_2\text{O}_9$ and $\text{Ba}_6\text{Ru}_3\text{Cl}_2\text{O}_{12}$. **2004**, 177, 806-816 11
- 807 A novel three-dimensional inorganic framework: hydrothermal synthesis and crystal structure of $\text{CuMo}_3\text{O}_{10}\cdot\text{H}_2\text{O}$. **2004**, 177, 839-843 7
- 806 Crystal structure, oxidation state and magnetism of $\text{La}_{1.2}\text{Sr}_{2.4}\text{RuO}_7$: a new member of the $[\text{A}_2\text{O}][\text{AnBn}\text{O}_3\text{n}]$ series of hexagonal perovskites. **2004**, 177, 817-823 21
- 805 Anomalous octahedral distortion and multiple phase transitions in the metal-ordered manganite YBaMn_2O_6 . **2004**, 177, 987-999 42
- 804 A systematic study on the crystal structure and properties of $\text{RuSr}_2\text{RCu}_2\text{O}_8$ (R=Gd, Tb, Dy, Y, Ho, Er). **2004**, 177, 1072-1077 14
- 803 Structure determination of a new compound LiCaBO_3 . **2004**, 177, 1111-1116 68
- 802 Phase transitions and electrical transport in the mixed-valence $\text{V}^{2+}/\text{V}^{3+}$ oxide $\text{BaV}_{10}\text{O}_{15}$. **2004**, 177, 1098-1110 32
- 801 Intercalation of KCl into layered neptunyl and plutonyl iodates. **2004**, 177, 1346-1351 19
- 800 Hydrothermal synthesis and structure of $\text{K}_6[(\text{UO}_2)_4(\text{CrO}_4)_7]\cdot 6\text{H}_2\text{O}$: A layered uranyl chromate with a new uranyl sheet topology. **2004**, 177, 1431-1436 19

799	The blue allotropic form of $\text{Co}^{2+}:\text{Na}_2\text{CoP}_2\text{O}_7$: optical and magnetic properties, correlation with crystallographic data. 2004 , 177, 1437-1443	27
798	A systematic study on crystal structure and magnetic properties of Ln_3GaO_6 ($\text{Ln}=\text{Nd}, \text{Sm}, \text{Eu}, \text{Gd}, \text{Tb}, \text{Dy}, \text{Ho}$ and Er). 2004 , 177, 1796-1802	19
797	Ab initio structure determination of new compound $\text{Ba}_3(\text{BO}_3)(\text{PO}_4)$. 2004 , 177, 3454-3459	11
796	Solvothermal synthesis of an open-framework zinc chlorophosphate, $[\text{C}_8\text{N}_4\text{H}_{26}][\text{Zn}_3\text{Cl}(\text{HPO}_4)_3(\text{PO}_4)]$, with a layer structure. 2004 , 177, 2198-2204	11
795	Relations of crystal structure to magnetic properties in the quasi-one-dimensional compound $\text{PbNi}_{1.88}\text{Mg}_{0.12}\text{V}_2\text{O}_8$. 2004 , 177, 2404-2414	5
794	Hydrothermal synthesis and crystal structure of a three-dimensional metal selenite containing double helical chains: $\text{Fe}_3(\text{H}_2\text{O})(\text{SeO}_3)_3$. 2004 , 177, 2699-2704	10
793	Structures of LiCaAlF_6 and LiSrAlF_6 at 120 and 300K by synchrotron X-ray single-crystal diffraction. 2004 , 177, 3505-3513	25
792	Crystal structures and ionic conductivities of ternary derivatives of the silver and copper monohalides: ordered phases within the $(\text{AgX})_x(\text{MX})_{1-x}$ and $(\text{CuX})_x(\text{MX})_{1-x}$ ($\text{M}=\text{K}, \text{Rb}$ and Cs ; $\text{X}=\text{Cl}, \text{Br}$ and I) systems. 2004 , 177, 3156-3173	88
791	Supramolecular assembly of organic bicapped Keggin polyoxometalate. 2004 , 177, 4325-4331	40
790	Praseodymium magnetic contribution in the low temperature structure of $\text{Pr}_{0.8}\text{Ca}_{0.2}\text{MnO}_3$. 2004 , 177, 3310-3315	3
789	Ordered perovskites in the $\text{A}^{2+}(\text{Li}_{1/4}\text{Nb}_{3/4})\text{O}_3\text{A}^{2+}(\text{Li}_{2/5}\text{W}_{3/5})\text{O}_3$ ($\text{A}^{2+}=\text{Sr}, \text{Ca}$) systems. 2004 , 177, 4305-4315	9
788	A structural study of the perovskite series $\text{Ca}_{1-x}\text{Na}_x\text{Ti}_{1-x}\text{Ta}_x\text{O}_3$. 2004 , 177, 4420-4427	16
787	Octahedral distortions in the homometallic Fe ludwigite. 2004 , 177, 4605-4615	8
786	Preparation, characterization and microwave dielectric properties of $\text{Ba}(\text{B}_{1/2}\text{Nb}_{1/2})\text{O}_3$ [$\text{B}^? = \text{La}, \text{Pr}, \text{Nd}, \text{Sm}, \text{Eu}, \text{Gd}, \text{Tb}, \text{Dy}, \text{Ho}, \text{Y}, \text{Yb}$ and In] ceramics. 2004 , 107, 264-270	60
785	Synthesis and Structural Characterization of a Novel Type of Heteropolyanion: $[\text{Sb}_4\text{Mo}_{12}(\text{OH})_6\text{O}_{48}]^{10-}$. 2004 , 630, 2573-2575	14
784	Relationships between Sr substitution for Ba and dielectric characteristics in $\text{Sm}_2\text{BaZnO}_5$ ceramics. 2004 , 24, 1745-1748	7
783	Synthesis and structural study of stoichiometric $\text{Bi}_2\text{Ti}_2\text{O}_7$ pyrochlore. 2004 , 177, 139-145	160
782	Thermal stability and crystal structure of $\text{Ba}_3\text{YB}_3\text{O}_9$. 2004 , 177, 216-220	16

- 781 Hydrothermal synthesis and crystal structure of an infinite 1D ladderlike metal-organic compound: [Cu₂(btec)(2,2'-bipy)₂][btec=1,2,4,5-benzenetetracarboxylate). **2004**, 697, 1-8 26
- 780 Synthesis and structural study of the AgIn₅Te₈ compound by X-ray powder diffraction. **2004**, 201, 1477-1483 15
- 779 Polycationic Mn₁₂ single-molecule magnets as electron reservoirs with S > 10 ground states. **2004**, 43, 6152-6 70
- 778 Building molecular minerals: all ferric pieces of molecular magnetite. **2004**, 43, 5772-5 80
- 777 Synthesis, Characterization and Crystal Structure of a new Cobalt Borophosphate, NaCoH₂BP₂O₉. **2004**, 6, 840-842 3
- 776 A New Superconducting Phase of Sodium Cobalt Oxide. **2004**, 16, 1901-1905 32
- 775 Polycationic Mn₁₂ Single-Molecule Magnets as Electron Reservoirs with S>10 Ground States. **2004**, 116, 6278-6282 2
- 774 Building Molecular Minerals: All Ferric Pieces of Molecular Magnetite. **2004**, 116, 5896-5899 14
- 773 Synthesis and Structure of an Unprecedented Layered Vanadate Complex Containing Double-Helical Chains: [CoIII(phen)₂]₂V₈O₂₃. **2004**, 2004, 1385-1388 44
- 772 Synthesis, Crystal Structure, and Magnetic Properties of Mn₂(OH)₂SO₄: A Novel Layered Hydroxide. **2004**, 2004, 2272-2276 23
- 771 [Zn(enMe)₂]₂(enMe)₂[Zn₂As₈V₁₂O₄₀(H₂O)]₄·4H₂O: A Hybrid Molecular Material Based on Covalently Linked Inorganic ZnAs₄ Clusters and Transition Metal Complexes via enMe Ligands. **2004**, 2004, 2004-2007 42
- 770 The Hybrid Organic-Inorganic 2-D Material (CsNa₂[Sn(CH₃)₂]₃(H₂O)₄(XW₉O₃₃)]₄·7H₂O (X = AsIII, SbIII) and Its Solution Properties. **2004**, 2004, 2733-2738 61
- 769 Synthesis, Structure and Magnetic Properties of a Series of Novel Isophthalate-Bridged Manganese(II) Polymers with Double-Layer or Double-Chain Structures. **2004**, 2004, 3316-3325 45
- 768 Hydrothermal Synthesis, Structure and Magnetic Properties of a One-Dimensional Iron Arsenate, 1[NH₃(CH₂)₂NH(CH₂)₂NH₃][Fe₂F₄(HAsO₄)₂]. **2004**, 2004, 3846-3851 11
- 767 Molecular, One- and Two-Dimensional Systems Built from Manganese(II) and Phthalate/Diimine Ligands: Syntheses, Crystal Structures and Magnetic Properties. **2004**, 2004, 3522-3532 59
- 766 Three New Organically Templated Polyoxomolybdates with Capping Selenite Anions. **2004**, 2004, 3712 7
- 765 Novel Cadmium(II) Adipate Coordination Polymers with Structural Transformation via Oxalate Ligand: Syntheses, Structures and Fluorescence Properties. **2004**, 2004, 4102-4107 84
- 764 18-Crown-6 and Titanium Tetrafluoride [Preparation of the TiIV Fluoride Crown Ether Complexes (TiF₄)₂(18-Crown-6) and the Stabilization of cis-TiF₄(H₂O)₂ in [(cis-TiF₄(H₂O)₂]₂(18-Crown-6)]. **2004**, 2004, 3865-3872 19

- 763 The Anderson-Type Anion (TeMo₆O₂₄)₆ A Multidentate Ligand for Trivalent Rare Earth Cations. **2004**, 2004, 4849-4853 53
- 762 Solvothermal Syntheses and Structural Characterisation of Three Isostructural 3D Metal-Malate Coordination Polymers: $[[M(C_4H_4O_5)(H_2O)]_4H_2O]_n$ (M = CoII, NiII, CoII/NiII). **2004**, 2004, 4375-4379 31
- 761 Isolation and Molecular Structure of a Monomeric, Tris[peroxotitanium(IV)]-Substituted β -Dawson Polyoxometalate Derived from the Tetrameric Anhydride Form Composed of Four Tris[titanium(IV)]-Substituted β -Dawson Substructures and Four Bridging Titanium(IV) Octahedral Groups. **2004**, 2004, 4646-4652 41
- 760 Synthesis, structure, and characterization of a new sandwich-type arsenotungstocerate, $[As_2W_{18}Ce_3O_{71}(H_2O)_3]_{12}$ **2004**, 688, 33-39 37
- 759 A novel 1D polyoxometallate-based coordination polymer $[[Pr(DMSO)_6(H_2O)](PMo_{12}O_{40})_4CH_3CN]_n$: properties, crystal structure and characterization. **2004**, 689, 147-152 19
- 758 Hydrothermal synthesis and crystal structures of two novel rare earth coordination polymers based on pyridine-2,6-dicarboxylic acid. **2004**, 689, 269-274 25
- 757 Hydrothermal synthesis and crystal structure of a novel layered vanadate complex containing double helical chains: $[[Zn(2,2'-bpy)]_2V_8O_{21}](2,2'-bpy=2,2'-bipyridine)$. **2004**, 691, 123-131 14
- 756 New data on nordite-(Ce) and the establishment of the nordite supergroup. **2021**, 85, 431-437 1
- 755 Coexistence of Two Different Distorted Octahedral [MnF] Sites in K [MnF]: Manifestation in Spectroscopy and Magnetism. **2021**, 27, 9801-9813 5
- 754 K₅Mg₂La₃(BO₃)₆: An Efficient, Deep-Ultraviolet Nonlinear Optical Material. **2021**, 33, 4240-4246 7
- 753 Arsenic(III)-Capped 12-Tungsto-2-Arsenates(III) $[M(AsWO)(AsOH)]$ (M = Cr, Fe, Sc, In, Ti, Mn) and Their Magnetic Properties. **2021**, 60, 8267-8275 0
- 752 An update on the mineral-like Sr-containing transition metal arsenates. **2021**, 85, 416-430 1
- 751 Structural and Spectroscopic Studies of NaCuCr(PO): A Noncentrosymmetric Phosphate Belonging to the β -CrPO-Type Compounds. **2021**, 60, 7803-7814 2
- 750 Antiferromagnetic Order Breaks Inversion Symmetry in a Metallic Double Perovskite, Pb₂NiOsO₆. **2021**, 33, 4188-4195 0
- 749 Allantoin and natrosulfatourea, two new bat-guano minerals from the Rowley mine, Maricopa County, Arizona, USA. **2021**, 59, 603-616 2
- 748 Insertion of V Ions into the Polyoxotungstate Archetype {AsW}. **2021**, 60, 8437-8441 1
- 747 Magnetic ordering in La_{1.5}Ca_{0.5}CoO₄ revealed by resonant magnetic x-ray scattering and neutron diffraction. **2021**, 103, 20210101 2
- 746 Photoluminescent and semiconductive properties of a novel praseodymium compound. 1-6 1

- 745 A Zr-Substituted Polyoxotungstate Built by $[GeW_{10}O_{38}]_{12}$ and $[A-H-PW_9O_{34}]_9$ Fragments: Synthesis, Structure and Properties. 1
- 744 G-type antiferromagnetism of Mn ions in A-site-ordered perovskite $LaMn_3Rh_4O_{12}$ and $La_{0.8}Ca_{0.2}Mn_3Rh_4O_{12}$. **2021**, 397, 127258 0
- 743 A new polycatenated framework encapsulated Keggin-type silicotungstate crystalline compound with bifunctional electrochemical performances. **2021**, 1231, 129966 2
- 742 Synthesis, Structure, and Electrocatalysis of a Novel Compound Based on $[Mo_8O_{26}]_4$ Cluster and $[NiN_4O_2]^{2+}$ Secondary Building Unit. 1
- 741 $SrNbOF_4 \cdot 4H_2O$ and $SrNbOF_2 \cdot 2H_2O$: A Variant of Three-Dimensional Tungsten Bronze and a Polar Molecular Oxide Fluoride. **2021**, 60, 7914-7921 6
- 740 Na_2ZrCl_6 enabling highly stable 3 V all-solid-state Na-ion batteries. **2021**, 37, 47-54 12
- 739 Synthesis and structural characterization of an air and water stable divalent Europium squarate prepared by in situ reduction. **2021**, 297, 122048
- 738 Synthetic methodology, structures and properties of mixed valence copper(I/II) complexes with various Schiff bases and their reduced analogues. **2021**, 199, 115086 1
- 737 Kernowite, $Cu_2Fe(AsO_4)(OH)_4 \cdot 4H_2O$, the Fe^{3+} -analogue of lirononite from Cornwall, UK. 1-8 1
- 736 Hydroxykenopyrochlore, $(?, Ce, Ba)_2(Nb, Ti)_2O_6(OH, F)$, a new member of the pyrochlore group from Araxá, Minas Gerais, Brazil. **2021**, 59, 589-601 1
- 735 Dielectric Relaxation and Magnetic Structure of A-Site-Ordered Perovskite Oxide Semiconductor $CaCuFeTaO$. **2021**, 60, 6999-7007 0
- 734 Tin Chloride Sulfates $ASn(SO)_Cl$ ($A = K, Rb, Cs; = 0, 1$) as Multifunctional Optical Materials. **2021**, 60, 8322-8330 7
- 733 Crystal Structures and Local Environments of NASICON-Type $Na_3FeV(PO_4)_3$ and $Na_4FeV(PO_4)_3$ Positive Electrode Materials for Na-Ion Batteries. **2021**, 33, 5355-5367 9
- 732 An insight to the spin density distribution and non-covalent interactions in a carboxylate bridged class-I mixed valence cobalt(II), cobalt(III) complex of quadruplet nature. **2021**, 521, 120298 4
- 731 Wells-Dawson Arsenotungstate Porous Derivatives for Electrochemical Supercapacitor Electrodes and Electrocatalytically Active Materials. **2021**, 60, 9869-9879 8
- 730 Missing Piece in the Crystal Chemistry of Zn-Sb Secondary Phases in ZnO-SbO-BiO Varistor Ceramics: Orthorhombic $ZnSbO$. An Experimental and Theoretical Study of the Crystal Structure and Its Thermal and Vibrational Spectroscopic Characterization. **2021**, 60, 8640-8650 0
- 729 $SrAlBOF$: A Fluoroaluminoborate with $[AlBOF]$ Units and Large Birefringence. **2021**, 60, 10006-10011 4
- 728 $[O-C(H)NHOH][I(O)(OH)]_3 \cdot H_2O$: An Organic-Inorganic Hybrid SHG Material Featuring an $[I(O)(OH)]$ Branched Polyiodate Chain. **2021**, 60, 17426-17429 10

727	Defect-Induced Self-Reduction and Anti-Thermal Quenching in NaZn(PO ₃) ₃ :Mn ²⁺ Red Phosphor. 2021 , 9, 2100870	15
726	Stability in solution and chemoprotection by octadecavanadates(IV/V) in E. coli cultures. 2021 , 219, 111438	3
725	Magnesio-lucchesiite, CaMg ₃ Al ₆ (Si ₆ O ₁₈)(BO ₃) ₃ (OH) ₃ O, a new species of the tourmaline supergroup. 2021 , 106, 862-871	1
724	A theoretical and experimental investigation of hetero- versus homo connectivity in barium silicates. 2021 ,	1
723	[o-C ₅ H ₄ NHOH] ₂ [I ₇ O ₁₈ (OH)] ₃ ·3 H ₂ O: An Organic-Inorganic Hybrid SHG Material Featuring an [I ₇ O ₁₈ (OH)] Branched Polyiodate Chain. 2021 , 133, 17566-17569	1
722	Synthesis and characterization of the Anderson-Evans tungstoantimonate [Na(HO){(HOCH)CHNH}][SbWO]. 2021 , 77, 420-425	2
721	Modulating Structural and Electronic Properties of Rare Archimedean and Johnson-Type Mn Cages. 2021 , 60, 8388-8393	0
720	Exploring the Coordination Modes of a Keggin-Type [ZnWO] Anionic Cluster: Bonding Patterns, Crystal Structure, and Semiconducting Properties. 2021 , 60, 9097-9109	1
719	Synthesis, Structure, Characterization, and Calculation of a Noncentrosymmetric Fluorine-Containing Indium Iodate, Ba[InF ₃ (IO ₃) ₂]. 2021 , 21, 4005-4012	1
718	A vanadium-centered tungstovanadate modified by copper-azole: Synthesis, structure and electrocatalytic property. 2021 , 1233, 130109	0
717	Nd ₅ O ₇ F ₅ Se ₄ and Sm ₅ O ₇ F ₅ Se ₄ : New layered oxide fluoride selenides of the lanthanoids. 2021 , 116, 106601	1
716	Keine Kosten, viel Spaß 2021 , 69, 10-12	
715	Structure and microwave dielectric properties of NaSr ₄ V ₅ O ₁₇ ceramics for LTCC applications. 2021 , 47, 17147-17152	4
714	K ₄ CaSi ₆ O ₁₅ Solving a 90-year-old riddle. 2021 , 104, 6678	
713	Chukochenite (Li _{0.5} Al _{0.5})Al ₂ O ₄ , a new lithium oxyspinel mineral from the Xianghualing skarn, Hunan Province, China. 2021 ,	1
712	Symmetry mode analysis of distorted polar/nonpolar structures in A-site ordered SmBaMn ₂ O ₆ perovskite. 2021 , 103,	3
711	Crystal chemistry and nomenclature of fillowite-type phosphates. 2021 , 59, 781-796	
710	Synthesis and Research Using Computer Simulation of Proton-Conducting Solid Electrolytes Based on Hafnate and Barium Zirconate. 2021 , 47, 366-371	0

- 709 β -V₂O₅ Polymorph as a Promising Host Structure for Potassium Storage: an Electrochemical and Structural Study. **2021**, 33, 5276-5289 3
- 708 AZn(OH)(CNO) (A = Mg, Zn): Two Zn-Based Cyanurate Crystals with Various Cation Coordination and Large Birefringence. **2021**, 60, 10890-10894 2
- 707 Decavanadate-based Transition Metal Hybrids as Bifunctional Catalysts for Sulfide Oxidation and C–C Bond Construction. **2021**, 39, 2495-2503 3
- 706 Structural and Magnetic Properties of BaFeO Synthesized by Oxidizing BaFeO Obtained via Nebulized Spray Pyrolysis. **2021**, 60, 10923-10933 1
- 705 Kahlenbergite KAl₁₁O₁₇, a new β -alumina mineral and Fe-rich hibonite from the Hatrurim Basin, the Negev desert, Israel. **2021**, 33, 341-355 0
- 704 Triazole-assisted trinuclear oxidovanadium(IV) complexes for gas adsorptions. **2021**, 129, 108661 0
- 703 β -Bi₂Mo₂O₉: A new, highly active and selective, mild oxidation bismuth molybdate catalyst. **2021**, 129, 108661 1
- 702 Polar polymorphism: $\text{Ca}_2[\text{B}_5\text{O}_8(\text{OH})_2[\text{B}(\text{OH})_3]\cdot\text{H}_2\text{O}]$ synthesis, structure and nonlinear optical property. **2021**, 299, 122193 6
- 701 Inhibiting effect of heterogeneous cations aggregation enhanced by oxygen deficiency on glass formation of BaTi₂O₅ melts. **2021**, 104, 6207 0
- 700 Structure, microwave dielectric properties, and infrared reflectivity spectrum of W⁶⁺ substituted Ce₂Zr₃(MoO₄)₉ ceramics. **2021**, 47, 19142-19152 2
- 699 Stabilizing lanthanide periodate compounds by slowing periodate reduction at elevated temperatures with NaBiO₃, a sacrificial oxidant. **2021**, 203, 115230 1
- 698 Ultra-high Q Ba(Mg_{1/3}Ta_{0.675})O₃ microwave dielectric ceramics realized by slowly cooling step process and the simulation design for hairpin dielectric filters. **2021**, 47, 19716-19726 1
- 697 XRD, NMR, FT-IR and DFT structural characterization of a novel organic-inorganic hybrid perovskite-type hexabromotellurate material. **2021**, 1235, 130227 3
- 696 Three Polyoxovanadates-Based Organic-Inorganic Hybrids: Structural Variation, Bifunctional Electrocatalytic Activities, and Computational Studies. **2021**, 60, 12323-12330 4
- 695 Metallic state in the vicinity of molecular orbital crystallization in the thiospinel ZnTiS prepared via a reductive ion-exchange reaction. **2021**, 33, 5276-5289 1
- 694 Six novel complexes based on 5-Acetoxy-1-(6-chloro-pyridin-2-yl)-1H-pyrazole-3-carboxylic acid methyl ester derivatives: Syntheses, crystal structures, and anti-cancer activity. **2021**, 14, 103237 3
- 693 Dipole relaxation process and giant dielectric permittivity in Eu³⁺-doped CdMoO₄ single crystal. **2021**, 7, 845-857 1
- 692 Bismuth-Based Halide Double Perovskite Cs₂LiBiCl₆: Crystal Structure, Luminescence, and Stability. **2021**, 33, 5905-5916 10

691	The structure of sodium silicate glass from neutron diffraction and modeling of oxygen-oxygen correlations. 2021 , 104, 6155	1
690	Linear and Nonlinear Optical Properties of Centrosymmetric SbOSO and Noncentrosymmetric SbO(SO)(OH) Induced by Lone Pair Stereoactivity. 2021 , 60, 11648-11654	5
689	Single-crystal X-ray structure refinement of Al-bearing superhydrous phase B. 2021 , 48, 1	
688	Synthesis, crystal structure and physico-chemical investigations of a new lyonsite molybdate Na _{0.24} Ti _{1.44} (MoO ₄) ₃ . 2021 , 300, 122221	4
687	Two functional hybrids based on polyoxometalate coordination polymers: Synthesis, electrochemical and photocatalytic properties. 2021 , 130, 108673	0
686	New restraints and validation approaches for nucleic acid structures in PDB-REDO. 2021 , 77, 1127-1141	0
685	Moisture resistance of Nd ¹⁺ +Ba ₂ Tu ₃ O -based ceramics. 2021 , 47, 33577-33577	0
684	Determination of the Crystal Structures in the A-Site-Ordered YBaMn ₂ O ₆ Perovskite. 2021 , 125, 19467-19480	2
683	Pentamery cesium titanyl/titanate silicate oxyfluorides: Syntheses and structures. 2021 , 118, 106664	1
682	Synthesis, characterization, Electrostatic Molecular Potential, H-bond Energy, spectroscopic properties and phase transitions of NH ₃ (CH ₂) ₂ NH ₃ SnCl ₆ . 2021 , 1238, 130456	
681	Crystal Structure of a Mixed-valent Hexanuclear Manganese Complex Made-up from Two Oxido-centered Triangular Mn ^{II} Mn ^{III} ₂ Cores. 2021 , 37, 41-43	1
680	Compositional effects of Nb site on microwave dielectric properties of Mg ₄ (Nb,Ta,Sb) ₂ O ₉ ceramics. 2021 , 58, 583-589	
679	Tailoring the Griffiths-like cluster formation in the insulator ferromagnet spin-glass Gd ₂ NixCo _{1-x} MnO ₆ double perovskite. 2021 , 104,	1
678	Experimental Visualization of the Interstitialcy Diffusion of Anions in the LaOF-Based Oxyfluoride La _{0.9} Sr _{0.1} O _{0.45} F ₂ . 2021 , 4, 8891-8900	1
677	The First High-Pressure Chromium Oxonitridoborate CrB O N-an Unexpected Link to Nitridosilicate Chemistry. 2021 , 60, 21801-21806	3
676	POM-based compounds as capacitor materials and their photoelectric-sensing properties toward inorganic ions. 1-12	0
675	Structural Diversity and Incompatibility Induced Complex Phase Formation Behavior in the Stuffed Tridymites CaSrGaO. 2021 , 60, 12580-12590	0
674	Das erste Hochdruck-Chromoxonitridoborat CrB ₄ O ₆ N –ein unerwartetes Bindeglied zur Chemie der Nitridosilikate. 2021 , 133, 21972-21977	

673	Ultra-high quality factor and low dielectric constant of (Zn _{0.5} Ti _{0.5}) ₃₊ co-substituted MgAl ₂ O ₄ ceramic. 2021 , 47, 22522-22529	2
672	Novel Dy ³⁺ -doped Ge ⁴⁺ -substituted apatite-type phosphors, Ca ₉ La(PO ₄) ₅ [(Si _{1-x} Ge _x O ₄)]F ₂ :Dy ³⁺ : Synthesis, structure, crystal chemical features, and luminescent properties. 2021 , 47, 23300-23308	1
671	Investigation on composition-dependent properties of Mg _{5-x} Al _{23-5x} O _{27+5xN_{5-5x}} (0 ≤ x ≤ 1): Part II. Mechanical properties via first-principles calculations combined with bond valence models. 2021 , 41, 4942-4950	2
670	Robotic Stepwise Synthesis of Hetero-Multinuclear Metal Oxo Clusters as Single-Molecule Magnets. 2021 , 143, 12809-12816	4
669	Insight into hexanuclear peroxotantalum complexes: synthesis, characterization, and efficient catalyst for amidation reaction. 1	2
668	Polymorph of LiAlPO: Combined Computational, Synthetic, Crystallographic, and Ionic Conductivity Study. 2021 , 60, 14083-14095	0
667	Structure Elucidation of Complex Endotaxially Intergrown Lanthanum Barium Oxonitridosilicate Oxides by Combination of Microfocused Synchrotron Radiation and Transmission Electron Microscopy. 2021 , 27, 12835-12844	2
666	Syntheses and Characterization of the Mixed-Valent Manganese(II/III) Fluorides MnF and MnF. 2021 , 60, 12651-12663	
665	Protocaseyite, a new decavanadate mineral containing a [Al ₄ (OH) ₆ (H ₂ O) ₁₂] ₆₊ linear tetramer, a novel isopolycation. 2021 ,	0
664	Rare nuclearities in Mn/oxo cluster chemistry: Synthesis and characterization of a mixed-valence {Mn ^{II/III} 11} complex bearing acetate and salicylhydroximate(-3) bridging/chelating ligands. 2021 , 206, 115298	1
663	Synthesis, crystal structure and selected properties of K ₂ [Ni(dien) ₂][Ni(dien)] ₂ Ta ₆ O ₁₉ ·11 H ₂ O. 2021 ,	1
662	Organophosphonate-Functionalized Telluromolybdate Containing a [TeMoO] Building Block and Its Catalytic Efficiency for Knoevenagel Condensation. 2021 , 60, 14872-14879	1
661	Hydroxyl-and-carboxyl ligand concatenating multi-lanthanide substituted tellurotungstates and electrochemical detection of noradrenaline. 2021 ,	0
660	Single-Molecule Magnetic, Catalytic and Photoluminescence Properties of Heterometallic 3d ^{df} [Ln{PZn ₂ W ₁₀ O ₃₈ (H ₂ O) ₂ }] ₁₁ Tungstophosphate Nanoclusters. 2021 , 2021, 3819	2
659	Crystal structures, proton conductivities and luminescence of two organic-inorganic hybrid materials based on Keggin-type clusters and Cu(II)/Cu(I)-bis(hydroxymethyl)-2,2'-bipyridine complexes. 1-16	
658	Experimental and theoretical study of bifunctional electro-catalysts constructed from different Polyoxometalates and Ag-bimpy segments. 2021 , 391, 138930	0
657	Mild hydrothermal synthesis of potassium uranyl phosphates with layered and framework structures. 2021 , 301, 122293	
656	A {TiW}-Cluster-Substituted Polyoxotungstate: Synthesis, Structure, and Catalytic Oxidation Properties. 2021 , 60, 14622-14628	2

- 655 Room Temperature Synthesis of $[Pd(cyclam)]_5\{H_3Nb_6O_{19}\}_2 \cdot 26H_2O$: a Suitable Precursor for the in-situ Generation of a Highly Active Catalyst for Light-Driven Hydrogen Evolution.
- 654 Experimental and Theoretical Investigations on the Structural, Electronic, and Vibrational Properties of $Cs_2AgSbCl_6$ Double Perovskite. 5
- 653 $KInTeTeO$: Zirconolite-like Mixed-Valent Metal Oxide with a 3D Framework. **2021**, 60, 15091-15095
- 652 The Effect of Fe-Al Substitution on the Crystal Structure of $MgSiO_3$ Bridgmanite. **2021**, 126, e2021JB021936 1
- 651 Visualizing lithium ions in the crystal structure of Li_3PO_4 by in situ neutron diffraction. **2021**, 54, 1409-1415 0
- 650 Two new hybrids built upon Wells-Dawson polyoxoanions and copper-ethylenediamine coordination cations. **2021**, 1239, 130387 0
- 649 Exploring novel functional properties arose from anion order in mixed anion compounds. **2021**, 129, 555-560
- 648 Single-Crystal-to-Single-Crystal Cluster Transformation in a Microporous Molybdoarsenate(V)-Metalorganic Framework. **2021**, 60, 14913-14923 1
- 647 Ni-Containing 54-Tungsto-6-Silicate: Synthesis, Structure, Magnetic and Electrochemical Studies. **2021**, 27, 15080-15084 2
- 646 Pauling's Rules for Oxide-Based Minerals [A Re-examination Based on Quantum Mechanical Constraints and Modern Applications of Bond-Valence Theory to Earth Materials. **2021**, 0
- 645 Lattices selective occupation, optical spectra regulation, and photoluminescence properties of Eu^{2+} activated $Ca_9La(PO_4)_7$ phosphor. **2021**, 237, 118197 3
- 644 Two deep-ultraviolet nonlinear optical barium borates framework: Alkali metal enhances the second-harmonic generation response. **2021**, 301, 122303 3
- 643 Structure and Surface Complexation at the Calcite(104)-Water Interface. **2021**, 55, 12403-12413 3
- 642 The aqueous structural speciation of binary thallium-hydroxycarboxylic acid systems. Structure-chemical (bio)reactivity correlations. **2021**, 222, 111469
- 641 Impact of Iron in Three-Dimensional Co-MOF for Electrocatalytic Water Oxidation. **2021**, 4
- 640 Symmetry and the Role of the Anion Sublattice in Aurivillius Oxyfluoride $BiTiOF$. **2021**, 60, 14105-14115 1
- 639 Crystal structure re-determination, spectroscopy, and photoluminescence of $BYbO_3:Eu^{3+}$. 1
- 638 Compositional modulation in $ZnGa_2O_4$ via Zn^{2+}/Ge^{4+} co-doping to simultaneously lower sintering temperature and improve microwave dielectric properties. 1 3

637	Sol-gel synthesized double perovskite Gd ₂ FeCrO ₆ nanoparticles: Structural, magnetic and optical properties. 2021 , 878, 160389	3
636	Ambient pressure synthesis and properties of LaCu ₃ Fe ₂ TiSbO ₁₂ : New A-site ordered ferrimagnetic quadruple perovskite. 2021 , 302, 122433	0
635	Boosting photodegradation of dye solutions based on Eu ³⁺ doping in Bismuth-layered oxyhalogenide semiconductor NaBi ₃ O ₄ Cl _{1.5} Br _{0.5} . 2021 , 567, 150814	2
634	Structural units of binary vanadate glasses by X-ray and neutron diffraction. 2021 , 572, 121120	2
633	Unlocking fast and reversible sodium intercalation in NASICON Na ₄ MnV(PO ₄) ₃ by fluorine substitution. 2021 , 42, 307-316	10
632	A manganese (II) dimer bearing the reduced derivatives of nitronyl nitroxides. 2021 , 209, 115427	1
631	High-pressure synchrotron single crystal X-ray diffraction study of lillianite. 2021 ,	
630	Synthesis, structure, linear and nonlinear optical properties of noncentrosymmetric quaternary diamond-like semiconductors, Cu ₂ ZnGeSe ₄ (CZGSe) and the novel Cu ₄ ZnGe ₂ Se ₇ . 2021 , 888, 161499	4
629	Bimetallic water oxidation: One-site catalysis with two-sites oxidation. 2021 , 63, 1-7	4
628	Structure of silver molybdate glasses by X-ray and neutron diffraction. 2021 , 573, 121143	1
627	Fluorite-like hydrolyzed hexanuclear coordination clusters of Zr(IV) and Hf(IV) with syn-syn bridging N,N,N-trimethylglycine in soft crystal structures exhibiting cold-crystallization. 2021 , 528, 120622	0
626	3d-4f Heterometallic cluster incorporated polyoxoniobates with magnetic properties. 2021 , 57, 8624-8627	3
625	Five compounds based on [TeMo ₆ O ₂₄] ⁶⁻ and [Mo ₈ O ₂₆] ⁴⁻ anions synthesized by using different symmetrical and asymmetric N-donor ligands. 2021 , 23, 5385-5396	2
624	Tl _{0.6} Mo ₃ S ₅ , an original large tunnel-like molybdenum sulfide with Mo zigzag chains and disordered Tl cations. 2021 , 2, 6020-6030	0
623	Layered Hexagonal Perovskite Oxides 21R BaFeGeO and 12H BaFeGeO. 2021 , 60, 1257-1263	1
622	Glasses: Alkali and Alkaline-Earth Silicates. 2021 , 462-482	2
621	Na ₂ Fe ₂ F ₇ : a fluoride-based cathode for high power and long life Na-ion batteries. 2021 , 14, 1469-1479	6
620	Copper Oxygenases. 2021 , 500-523	0

619	Dinuclear mixed valence cobalt(II/III) and hetero-tetranuclear cobalt(III)/Na complexes with a compartmental ligand: Synthesis, characterization and use as catalysts for oxidative dimerisation of 2-aminophenol. 2021 , 515, 120044	10
618	1D and 2D hybrid polymers based on zinc phenylphosphates: synthesis, characterization and applications in electroactive materials.. 2021 , 11, 7873-7885	1
617	On the crystal chemistry of inorganic nitrides: crystal-chemical parameters, bonding behavior, and opportunities in the exploration of their compositional space. 2021 , 12, 4599-4622	3
616	Assembly, structures and properties of polyoxometalate-based supramolecular complexes involving in situ transformation of single-branch N-donor cyano ligands. 2021 , 23, 3477-3487	1
615	Effect of Isothermal Conditions on the Crystallization of Organically Templated Uranyl Sulfate Compounds. 2021 , 21, 861-868	1
614	Multianvil high-pressure/high-temperature synthesis and characterization of magnetoelectric HP-Co ₃ TeO ₆ . 2021 , 9, 5486-5496	2
613	Expanding the NUIG MOF family: synthesis and characterization of new MOFs for selective CO adsorption, metal ion removal from aqueous systems, and drug delivery applications. 2021 , 50, 6997-7006	1
612	Systematic centricity control using a chiral template: novel noncentrosymmetric polar niobium oxyfluorides and tantalum fluorides directed by chiral histidinium cations, [(L-hisH ₂)NbOF ₅], [(D-hisH ₂)NbOF ₅], [(L-hisH ₂)TaF ₇], and [(D-hisH ₂)TaF ₇]. 2021 , 8, 3843-3850	0
611	Multifunctional photoelectric sensors and catalysts for CO ₂ RR and Cr(VI) solution based on a series of POM-based materials. 2021 , 23, 2424-2431	10
610	A series of organic hybrid polyoxovanadate clusters incorporating tris(hydroxymethyl)methane derivatives. 2021 , 50, 15224-15232	
609	From [B ₆ O ₁₃] ⁸⁻ to [GaB ₅ O ₁₃] ⁸⁻ to [Ga{B ₅ O ₉ (OH)}{BO(OH) ₂ }] ₂ ⁻ synthesis, structure and nonlinear optical properties of new metal borates. 2021 , 23, 5200-5207	2
608	Supramolecular Inorganic Chemistry. 137-233	9
607	KLiSiF ₆ and CsLiSiF ₆ [A Structure Investigation. 2021 , 2021, 62-70	2
606	The prediction and interpretation of bond lengths in crystals. 1989 , 161-190	64
605	A Classification of the Copper Oxide Superconductors and the Relationship between the CU Valence and the Superconducting Properties. 1994 , 3-16	2
604	Neutron Powder Diffraction on the Ill High Flux Reactor and High TC Superconductors. 1994 , 17-44	5
603	New Method to Calculate the Sign and Relative Strength of Magnetic Interactions in Low-Dimensional Systems on the Basis of Structural Data. 2005 , 18, 583	0
602	Dielectric characteristics of La(Mg _{0.5} Ni _x Sn _{0.5})O ₃ ceramics at microwave frequency for application in sub-6 GHz patch array antenna. 2020 , 31, 3510-3518	2

601	Structural and Magnetic Properties of the New SrLa ₂ FeCuSbO ₉ Perovskite Phase. 2020 , 33, 2829-2836	1
600	Self-assembly of a nanoscale penta-cerium(III)-bridged selenotungstate: Synthesis, crystal structure and properties. 2020 , 117, 107937	3
599	Two high tunable proton-conducting cobalt(II) complexes derived from imidazole multi-carboxylate-based ligand. 2020 , 286, 121313	2
598	Synthesis, spectral and structural characterization of vanadium lactate, malate and citrate with large counter cation. 2020 , 1207, 127805	5
597	Quantitative insights into the crystal structure of a mixed-ligand Co(III) complex: Experimental and theoretical studies. 2020 , 1216, 128207	14
596	Molecular geometry as a source of chemical information—Applications of the bond valence-bond number models. 2002 , 27-66	1
595	Hierarchical Assembly of Antiparallel Homochiral Sheets Formed by Hydrogen-Bonded Helices of a Trapped-Valence CoII/CoIII Complex. 2017 , 17, 467-473	2
594	ASbF(SO) (A = Rb, Cs): Two Novel Antimony Fluoride Sulfates with Unique Crown-like Clusters. 2020 , 59, 8345-8352	18
593	SnBO: A Ternary Tin(II) Borate with Flexible [BO] Fundamental Building Block Formed by [BO] and [BO] Groups. 2021 , 60, 883-891	2
592	Syntheses and characterization of three new sulfides with large band gaps: acentric BaGaSnS, centric BaSnS and BaSnS. 2017 , 46, 14771-14778	12
591	Fabrication and electrochemical performance of unprecedented POM-based metal-organic carbene frameworks. 2017 , 5, 17920-17925	38
590	Trinuclear ruthenium core-containing polyoxometalate-based hybrids: preparation, characterization and catalytic behavior. 2020 , 49, 2895-2904	9
589	Crystal growth of novel 3D skeleton uranyl germanium complexes: influence of synthetic conditions on crystal structures. 2020 , 49, 2244-2257	7
588	Three ring-shaped Zr(IV)-substituted silicotungstates: syntheses, structures and their properties. 2020 , 12, 18333-18341	17
587	Solvothermal preparation of nano cobalt sulfide from tris (cyclohexylpiperazinedithiocarbamate)cobalt(III) and characterization, single crystal X-ray crystal structure of the precursor. 2020 , 73, 3487-3499	2
586	Structure of naturally hydrated ferrihydrite revealed through neutron diffraction and first-principles modeling. 2017 , 1,	7
585	Comparison of bonding and charge density in UO_3 , VO_3 , and $\text{La}_6\text{UO}_{12}$. 2017 , 1,	4
584	Amorphous tantalum and its relationship with the molten state. 2018 , 2,	15

- 583 Anomalous double-stripe charge ordering in NaFe_2O_3 with double triangular layers consisting of almost perfect regular Fe_4 tetrahedra. **2018**, 2, 0
- 582 Spin-glass behavior and vacancy order in van der Waals layered MoCl_4 . **2018**, 2, 4
- 581 Tetrahedral coordination and low-spin configuration in a 5d oxide. **2019**, 3, 4
- 580 A quaternary germanium(II) phosphate, $\text{Na}[\text{Ge}(4)(\text{PO}(4))(3)]$. **2008**, 64, i17 2
- 579 $\text{K}(0.8)\text{Ag}(0.2)\text{Nb}(4)\text{O}(9)\text{AsO}(4)$. **2008**, 64, i41 2
- 578 Poly[disodium [diaqua-tri-(2)-oxalato-dimagnesium(II)]]. **2008**, 64, m983 2
- 577 Trisodium bis-{1-[iminio-(morpholino)methyl]guanidinium} bis-[hexa-hydrogen-hexa-molybdoaluminate(III)] chloride icosahydrate. **2008**, 64, m1069-70 2
- 576 Dicaesium hexa-mercury hepta-sulfide. **2008**, 64, i55-i56 5
- 575 A binuclear cobalt(II) complex of an NO_3 -donor Schiff base derived from 3-carboxyl-salicylaldehyde and 2-nitro-aniline. **2008**, 65, m119-20 1
- 574 $\text{Li}(3)\text{Al}(\text{MoO}(2))(2)\text{O}(2)(\text{AsO}(4))(2)$. **2009**, 65, i21 3
- 573 Dilead(II) hydrogen-phosphite dinitrate. **2009**, 65, i35 3
- 572 Monolanthanum tripotassium tetra-hydrogen deca-molybdodicobaltate(III) trideca-hydrate. **2010**, 66, i10 6
- 571 Monopotassium monosodium hexa-hydrogen β -hexa-molybdoplatinate(IV) undeca-hydrate. **2010**, 66, i8-i9 8
- 570 $\text{NaAg}(2)\text{Mo}(3)\text{O}(9)\text{AsO}(4)$. **2010**, 66, i69 2
- 569 $\text{K}(\text{MoO}_2)_4\text{O}_3(\text{AsO}_4)$. **2013**, 69, i37 1
- 568 Bis(4-amino-pyridinium) β -oxido-dodeca- β -oxido-hexaoxido[rhenium(VII)tetratungsten(VI)vanadium(V)]ate hepta-hydrate. **2013**, 69, m661-2 2
- 567 Crystal structure of bis-(di-methyl-ammonium) hexa-aqua-nickel(II) bis-(sulfate) dihydrate. **2014**, 70, 403-5 3
- 566 Expression and interactions of stereochemically active lone pairs and their relation to structural distortions and thermal conductivity. **2020**, 7, 480-489 11

565	Bond-length distributions for ions bonded to oxygen: results for the transition metals and quantification of the factors underlying bond-length variation in inorganic solids. 2020 , 7, 581-629	18
564	Chain caesium borophosphates with B:P ratio 1:2: synthesis, structure relationships and low-temperature thermodynamic properties. 2019 , 75, 1174-1185	3
563	Synthesis and characterization of carbonate-encapsulated ytterbium- and yttrium-containing polyoxotungstates. 2018 , 74, 1355-1361	3
562	Synthesis and characterization of hybrid Anderson hexamolybdoaluminates(III) functionalized with indometacin or cinnamic acid. 2018 , 74, 1378-1383	3
561	Crystal structure of penta-potassium di-hydrogen nona-vanadato(V)platinate(IV) nona-hydrate. 2015 , 71, 647-9	2
560	Double salt crystal structure of nona-sodium dihydrogen nona-vanadoplinate(IV) tri-hydrogen nona-vanadoplinate(IV) tetra-contahydrate: stepwise-protonated nona-vanadoplinate(IV). 2015 , 71, 786-90	4
559	Crystal structure of undeca-potassium bis-[η -hemi-penta-hydrogen hexa-molybdoplinate(IV)] dodeca-hydrate. 2015 , 71, 986-8	1
558	Crystal structure of bis-[4-(di-methyl-amino)-pyridinium] aqua-bis-(oxalato)oxidovanadate(IV) dihydrate. 2016 , 72, 1002-5	4
557	Crystal structure of bis-[2,5-bis-(pyridin-2-yl)-1,3,4-thia-diazole-(2,3)]bis-(thio-cyanato- β)copper(II). 2016 , 72, 1176-8	2
556	Crystal structure of SrTeO(OH), the first basic strontium oxotellurate(IV). 2016 , 72, 1532-1535	1
555	New , -arsenates - the framework structures of Ag(HAsO) (= Al, Ga) and GaAsO (= Na, Ag). 2017 , 73, 785-790	4
554	Synthesis and crystal structure of 1,3-di- <i>n</i> -butyl-2-chloro-4,4-diphenyl-1,3,2,4-di-aza-phospha-siletidine. 2019 , 75, 405-409	3
553	Synthesis and structural study of tris-(2,6-di-amino-pyridinium) bis-(oxalato)dioxidovanadate(V) 2.5-hydrate. 2019 , 75, 680-684	1
552	Synthesis and crystal structure of NaCuIn(PO). 2020 , 76, 366-369	3
551	Crystal structure of an ordered [WOF] salt: (1,10-phen-H)[WOF] (1,10-phen = 1,10-phenanthroline). 2020 , 76, 1345-1348	1
550	Bond-valence analyses of the crystal structures of FeMo/V cofactors in FeMo/V proteins. 2020 , 76, 428-437	2
549	Relationship between Bond Valence Sums and Pressure Effect on T_c of Oxide Superconductors. 1991 , 60, 2481-2482	1
548	Pb-Si ordering in sheet-oxychloride minerals: the super-structure of asisite, nominally Pb ₇ SiO ₈ Cl ₂ . 2004 , 68, 247-254	10

- 547 Structural aspects of oxide and oxysalt minerals. 373-429 5
- 546 Hydroxyplumbopyrochlore, $(\text{Pb}_{1.5}, \text{?}_{0.5})\text{Nb}_2\text{O}_6(\text{OH})$, a new member of the pyrochlore group from Jabal Sayid, Saudi Arabia. **2020**, 84, 785-790 3
- 545 The crystal structure of kintoreite, $\text{PbFe}_3(\text{PO}_4)_2(\text{OH}, \text{H}_2\text{O})_6$. **1997**, 61, 123-129 11
- 544 On Oxygen Deficiency in Nanocrystallites $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. **2011**, 9, 469-471 1
- 543 Effect of isovalent substitution on the crystal structure and properties of two-slab indates $\text{BaLa}_2\text{Sm}_x\text{In}_2\text{O}_7$. **2020**, 18, 1294-1303 1
- 542 Hexaniobate anions connected by $[\text{Ni}(\text{cyclam})]^{2+}$ complexes yield two interpenetrating three-dimensional networks. **2020**, 75, 583-588 3
- 541 High-pressure synthesis and crystal structure of $\text{HP-Al}_2\text{B}_3\text{O}_7(\text{OH})$. **2020**, 75, 975-981 1
- 540 Cation distribution of pseudobrookite-type titanates and their phase stability. **2017**, 125, 695-700 5
- 539 Structural investigation of low-symmetry vesuvianite collected from Tojyo, Hiroshima, Japan: Implications for hydrogarnet-like substitution. **2009**, 104, 69-76 5
- 538 X-ray single-crystal and optical spectroscopic study of chromian pumpellyite from Sarany, Urals, Russia. **2010**, 105, 187-193 2
- 537 X-ray Rietveld and ^{57}Fe Mössbauer study of babingtonite from Kouragahana, Shimane Peninsula, Japan. **2013**, 108, 121-130 5
- 536 Crystal structure, large distortion of the Zn tetrahedron, and statistical displacement of water molecules in skorponite. **2019**, 114, 178-188 1
- 535 Thermal expansion of alumnus perovskite ScAlO_3 . **2000**, 95, 182-192 2
- 534 Synthèse et étude physico-chimique du matériau $\text{Na}_{0,87}\text{Ca}_{0,74}\text{Mn}_{2,59}(\text{AsO}_4)_3$ de type alluaudite. **2011**, 36, 111-123 4
- 533 Ferroelectricity of Dion-Jacobson layered perovskites $\text{CsNdNb}_2\text{O}_7$ and $\text{RbNdNb}_2\text{O}_7$. **2020**, 59, SPPC04 5
- 532 Synthesis and Structure of a Cadmium Selenite-Sulfate $\text{Cd}_4(\text{SeO}_3)_2(\text{SO}_4)_2$. **2007**, 28, 1416-1418 2
- 531 Polymeric Nano-half-shells prepared by Simple Solvent Evaporation Method. **2009**, 30, 1-3 8
- 530 Preparation of ZnO Thin Films Using Zn/O-containing Single Precursor through MOCVD Method. **2009**, 30, 114-118 4

- 529 Two Novel 3-D Zinc Compounds with Mixture Ligands of H3BTB and 4,4'-Bipy: Crystal Structures, Blue Fluorescence and Single Point Energy Calculation. **2010**, 31, 2598-2602 1
- 528 Physical Property, Crystal Structure and Electrode Performance Depend on Synthetic Condition of LiMn1.5Ni0.5O4 as Cathode Materials for 5 V Class Lithium Secondary Battery. **2004**, 72, 564-568 5
- 527 K2ZnMoP2O10: a novel nonlinear optical molybdophosphate with a strong second harmonic generation response and moderate birefringence. **2021**, 9, 15321-15328 4
- 526 An unprecedented polyoxometalate-based 1D double chain compound with opposite charges enables conductivity improvement. **2021**, 57, 11398-11401 0
- 525 A series of polyoxometalate-based hybrid complexes constructed by a tripodal ligand containing mixed N/O donors. 0
- 524 Spectroscopic and Structural Properties of Tricalcium Phosphates Ca9RE(PO4)7 (RE = Nd, Gd, Dy). **2021**, 11, 1269 0
- 523 Assembly of a Hexameric Cluster of Polyoxomolybdotriphosphonate Built from [Zn(HO){TeMoO}{N(CHPO)}] Subunits and Its Optical and Catalytic Properties. **2021**, 60, 15759-15767 1
- 522 High-Pressure Synthesis and Magnetism of the 4-BaMnO Single Crystal and Its 6-Type Polymorph. **2021**, 60, 16308-16315 1
- 521 Locating hydrogen positions in the autunite mineral metatorbernite [Cu(UO)(PO)4·8H2O]: a combined approach using neutron powder diffraction and computational modelling. **2021**, 8, 963-972
- 520 Two new rare-earth orthoborates Ba2CdLn2(BO3)4 (Ln = Tb, Eu) and multicolor tunable emission in the Ba2CdTb2-2xEu2x(BO3)4 (0 ≤ x ≤ 0.2) phosphors. **2022**, 242, 118545 0
- 519 Bottom-Up Approach for the Rational Loading of Linear Oligomers and Polymers with Lanthanides. **2021**, 60, 15529-15542 0
- 518 {BWO} Hybrids Modified by in Situ Synthesized Rigid Ligand with Supercapacitance and Photocatalytic Properties. **2021**, 60, 16357-16369 4
- 517 Ultra low loss (Mg1-xCax)2SiO4 dielectric ceramics (x = 0 to 0.15) for millimeter wave applications. **2022**, 105, 2010 1
- 516 A Heterogeneous Catalyzed Oxidase Consists of Zinc-Substituted Arsenomolybdate with Reactive Oxygen Species Catalytic Ability. 1 2
- 515 Identification of Active Sites in PdCo Bimetallic Catalysts for CO Oxidation. **2021**, 4, 11151-11161 2
- 514 Rare-Earth Elements Can Structurally and Energetically Replace the Calcium in a Synthetic MnCaO-Cluster Mimicking the Oxygen-Evolving Center in Photosynthesis. **2021**, 143, 17360-17365 5
- 513 Synthesis, structure, optical properties and Hirshfeld surface analysis of bis(azepanium) hexachlorostannate(IV). 1-14 0
- 512 Thermal properties of LiF-BeF2 and LiF-BeF2-UF4 systems as applied to molten salt reactor technologies. **2021**, 344, 117731 1

511 Inorganic Three-dimensional Structure Databases.

510 Thermoresponsive Inorganic Materials.

509 Dependence of Ferroelectric Properties on the Crystalline Phases of HoMnO₃Thin Film. **2006**, 16, 394-399

508 Microwave Dielectric Properties of 0.95Ca_{0.85}Nd_{0.1}TiO₃0.05LnAlO₃(Ln=Sm, Dy, Er) Ceramics. **2007**, 44, 537-541

507 Diammonium bis-[(2-amino-acetato- λ ,O)(2,2'-bipyridine- λ ,N')(N,N-dimethyl-formamide- λ)copper(II)] hexa-cosa-oxidoocta-molybdate(VI). **2008**, 64, m305-6 1

506 Cadmium sulfite hexahydrate revisited. **2008**, 64, i43-i44

505 A two-dimensional organic-inorganic hybrid compound, poly[(ethylenediamine)tri- λ oxido-oxidocopper(II)molybdenum(VI)]. **2008**, 64, m1238-9

504 [Cu(2)(HF(2))(H(2)O)(8)][FeF(6)] \cdot 2H(2)O. **2009**, 65, i23-i24 1

503 Locus of the Superconductivity in The Cuprates. **2011**, 197-202

502 A Combined Bond-Valence and Periodic DFT Study of the Active Sites in M1 Phase of MoVTenbO Composite Oxide Catalyst. **2010**, 31, 1286-1292

501 Lattice Distortion Upon Compression in Orthorhombic Perovskites: Review and Development of a Predictive Tool. **2011**, 305-318

500 The Crystal Structures of Some Transition Metal Stabilised Mercury Cuprate Superconductors. 81-88

499 X-ray Diffraction Studies of Cu(II), Zn (II), Mo(II), Fe(II)complexes with Glibenclamide (5-chloro-N-(4-[N-(Cyclohexyl Carbonyl) Sulfamonyl]phenethyl)-2- Methoxybenzamide). **2012**, 9, 93-98

498 Tris(1,10-phenanthroline- λ ,N,N')nickel(II) hexa-oxido- λ peroxido-disulfate-(VI) N,N-dimethyl-formamide disolvate monohydrate. **2013**, 69, m63-4

497 Epitaxial Films. **2013**, 383-405

496 Structural Study of Superionic Conductors by Neutron Scattering. **2013**, 23, 197-203

495 Structures and Ion Conduction Pathways of Amorphous Lithium Ion Conductors. **2014**, 24, 267-272

494 Valence Bond Sum (VBS) Analysis on Bis(dithiocarbamate) Nickel (II) and Complexes with NiS₄ Chromophore. **2014**, 30, 351-354

- 493 PLANES, CHAINS AND RIBBONS - CHARGE DISTRIBUTION IN SUPERCONDUCTING CUPRATES. **1990**, 70-77
- 492 Cu-O BOND AND T_c CHANGES IN 123, 124 & 247-SUPERCONDUCTORS. **1990**, 39-49
- 491 Photoelectron Spectroscopic Study of Zn/Cu Substituted $\text{La}_{1.85}\text{Sr}_{0.15}(\text{Cu}_{1-x}\text{Zn}_x)\text{O}_y$. **1991**, 99-102 1
- 490 X-Ray Rietveld Refinement of Orthorhombic and Tetragonal $(\text{Tl,Pb})\text{Sr}_2\text{CuO}_5$. **1991**, 371-374
- 489 Hole-Doping Effects on the Magnetic Properties of the $\text{La}_4\text{Ba}_2\text{Cu}_2\text{O}_{10}$ Ferromagnet. **1992**, 389-392
- 488 STM Observation on Bi-O Surfaces of $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_y$ Single-Crystals. **1992**, 299-301
- 487 Control and Optimization of Critical Temperature for the Tl-Based Superconductors. **1993**, 273-278
- 486 Temperature effects on the size of anatase crystallites in Mo-TiO₂ and W-TiO₂ powders. **1996**, 25-28
- 485 Powder Crystallography of Useful Materials Using Synchrotron Radiation. **1996**, 83-106
- 484 Numerical Prediction of Crystal Structures by Simulated Annealing. **1997**, 253-288 1
- 483 Crystal Structure of $\text{Sr}_{1.9}\text{Nd}_{1.1}\text{Cu}_{2.1}\text{Nb}_{0.9}\text{O}_8$ and $\text{Sr}_2(\text{Nd}_{0.75}\text{Ce}_{0.25})_2\text{Cu}_2\text{NbO}_{10}$: $\text{Ba}_2\text{YCu}_3\text{O}_{6+\delta}$ -Related Compounds with NbO₆ Octahedron. **1998**, 339-342
- 482 Structural Anomalies, Oxygen Ordering and Superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. **1998**, 23-83 1
- 481 Hole Doping Mechanism and Structural Changes in $\text{Cu}(\text{Ba}_{0.8}\text{Sr}_{0.2})_2(\text{Yb}_{1-x}\text{Ca}_x)\text{Cu}_2\text{O}_{6+z}$. **1998**, 323-326
- 480 The Effect of Chemical Pressure on T_c of Layered Cuprate Superconductors. **1999**, 31-36
- 479 Crystal structure of the $\text{Sr}_6\text{Nb}_4\text{ZrO}_{18}$ slab perovskite-like compound. **2015**, 3, 65-71
- 478 $\text{Mieite}(\text{Y})$, $\text{Y}_4\text{Ti}(\text{SiO}_4)_2\text{O}[\text{F},(\text{OH})]_6$, a new mineral in a pegmatite at Souri Valley, Komono, Mie Prefecture, central Japan. **2015**, 110, 135-144 2
- 477 First Principles Study on Structural Stability of Belite. **2015**, 112, 1
- 476 Structure cristalline du composé $\text{Hg}_{3-x}\text{Sb}_x(\text{S+Se})_{2+x}\text{I}_{2-x}$ ($x \geq 0.1$). **2016**, 72, 304-6

- 475 Crystal structure of layer niobatozirconate $\text{Sr}_6\text{Nb}_4\text{ZrO}_{18}$. **2016**, 92-98
- 474 Structure Studies of Lithium Ion Conducting Glasses Using Neutron Diffraction. **2017**, 56, 443-447
- 473 The crystal structure of $(\text{CHN})[\text{Zn}(\text{HPO})]$, a three-dimensional zincophosphite framework containing 16-membered rings templated by the unsymmetrical dimethyl hydrazinium cation. **2017**, 73, 759-762 1
- 472 Crystal structures of the solid solutions NaZnCdBO and NaZnMgBO . **2017**, 73, 1774-1778 0
- 471 Caesium neodymium sulfate, $\text{CsNd}(\text{SO}_4)_2$. **2018**, 3,
- 470 Marshallsussmanite, $\text{NaCaMnSi}_3\text{O}_8(\text{OH})$, a new pectolite-group mineral providing insight into hydrogen bonding in pyroxenoids. **2021**, 85, 444-453 0
- 469 CaTeO , a new phase in the CaO-TeO system. **2019**, 75, 26-29 3
- 468 Investigation of the changes in hydrogen bonding accompanying the structural reorganization at 103 K in ammonium iodate. **2019**, 75, 152-159
- 467 Crystal structure of strontium perchlorate anhydrate, $\text{Sr}(\text{ClO})$, from laboratory powder X-ray diffraction data. **2019**, 75, 447-450
- 466 Crystal structure of 1,3-di-butyl-2-chloro-1,3,2-di-aza-phosphorinane - a saturated six-membered phosphorus nitrogen heterocycle with a partially flattened chair conformation and a long P-Cl bond. **2019**, 75, 552-556 2
- 465 Synthesis and crystal structure of calcium hydrogen phosphite, CaHPO . **2019**, 75, 997-1000 0
- 464 A New Polyoxovanadate Based Hybrid Materials: A Promising Sensor for Picric Acid and Pd^{2+} Found in the Aqueous Environment. **2020**, 149-193
- 463 The 'super acid' $\text{BF}_3\text{O} \cdot \text{CHO}$ stabilized by 1,4-dioxane: new preparative aspects and the crystal structure of $\text{BF}_3\text{O} \cdot \text{CHO}$. **2019**, 75, 1787-1791 1
- 462 Crystal Structure of Baryum Dicobalt Iron (III) Three (Orthophosphate) Belonging to $\text{Ba}_2\text{Co}_2\text{Fe}(\text{PO}_4)_4$ Family. **2020**, 10, 1-5
- 461 Redetermination and new description of the crystal structure of vanthoffite, $\text{NaMg}(\text{SO})$. **2020**, 76, 785-789 1
- 460 Hydro-thermal synthesis and crystal structure of poly[bis-(B_4 -di-amino-benzoato)manganese], a layered coordination polymer. **2020**, 76, 909-913
- 459 Crystal structure of $\text{SrCo}(\text{OH})(\text{PO})$, a new hydroxy-phosphate. **2020**, 76, 1022-1026
- 458 High-pressure synthesis and crystal structure of the samarium meta-oxoborate $\text{Sm}(\text{BO}_2)_3$. **2020**, 75, 589-595

- 457 Luxembourgite, $\text{AgCuPbBi}_4\text{Se}_8$, a new mineral species from Bivels, Grand Duchy of Luxembourg. **2020**, 32, 449-455
- 456 Crystal Structure Refinement of the A-Site-Ordered Double-Perovskite Oxide $\text{PrBaCo}_2\text{O}_6$. **2020**, 61, 1500-1502
- 455 TlPO and its comparison with isotypic RbPO and CsPO. **2020**, 76, 1482-1485
- 454 Four tetra-Cd-substituted $\{\text{Ge}_8\text{VIV}_{10}\}$ -based vanadogermanates: Syntheses, crystal structures and magnetic properties. **2020**, 288, 121413
- 453 Syntheses and crystal structures of the manganese hydroxide halides $\text{Mn}_5(\text{OH})_6\text{Cl}_4$, $\text{Mn}_5(\text{OH})_7\text{I}_3$, and $\text{Mn}_7(\text{OH})_{10}\text{I}_4$. **2020**, 235, 375-389
- 452 Rietveld refinement of the langbeinite-type phosphate KNiHf(PO) . **2020**, 76, 1634-1637
- 451 Non-covalent interactions in hexanuclear polyoxidometalates $[\text{VIV}_6\text{B}_2\text{O}_5\text{O}_8\text{H}_8]$ —An experimental and theoretical approach. **2021**, 211, 115553
- 450 A tri-vanadium-capped Keggin phosphomolybdate: synthesis, characterization, photocatalytic and bifunctional electrocatalytic properties. 1
- 449 Facile Material Design Concept for Co-Free Lithium Excess Nickel-Manganese Oxide as High-Capacity Positive Electrode Material. 1
- 448 Hydrogen-Bond-Assisted Alignment of $[\text{MCu}(\text{SeO})\text{Cl}(\text{HO})]$ (M = Fe, Ga) Anionic Layers to Form Two Polar Oxychlorides: $\text{PbMCu}(\text{SeO})\text{Cl}(\text{HO})$. **2021**, 60, 831-839
- 447 Structural evolution across the metal-insulator transition of strongly distorted $\text{Lu}_{1-x}\text{Sc}_x\text{NiO}_3$ perovskites (x = 0, 0.1, 0.2). **2020**, 7, 126301
- 446 High-pressure synthesis of $\text{REB}_5\text{O}_8(\text{OH})_2$ (RE = Ho, Er, Tm). **2021**, 76, 71-77
- 445 Lanthanide Isophthalate Metal-Organic Frameworks: Crystal Structure, Thermal Behavior, and White Luminescence. **2021**, 2021, 398-404
- 444 Preparation and characterization of a novel cuprous complex. **2020**, 9, 1163-1167
- 443 High nuclearity structurally - related Mn supertetrahedral T4 aggregates. **2021**, 57, 12484-12487
- 442 pH-Controlled assembly of $[\text{ZnWO}]$ -based hybrids from a 0D dimer to a 2D network: synthesis, crystal structure, and photocatalytic performance in transformation of toluene into benzaldehyde. **2021**, 50, 17308-17318
- 441 Formation, thermal redox reaction and crystal structure of CaCr_2O_4 . **2022**, 305, 122669
- 440 A binuclear Cu/Ca thio-cyanate complex with a Schiff base ligand derived from -vanillin and ammonia. **2020**, 76, 423-426

- 439 Preparation and Crystal Structure of Sodium Tetraperoxidochromate(V). **2020**, 36, 3-5 2
- 438 Synthesis and crystal structure of ABW-type SrFeVO. **2020**, 76, 664-667
- 437 Crystal structure of lutetium aluminate (LUAM), LuAlO. **2020**, 76, 752-755 2
- 436 Antimony-Doped Lead-Free Zero-Dimensional Tin(IV)-Based Organic/Inorganic Metal Halide Hybrids with High Photoluminescence Quantum Yield and Remarkable Stability. **2021**, 9, 2101637 5
- 435 Porous Layered Inorganic/Organic Hybrid Frameworks Constructed from Polyoxovanadate and Bolaamphiphiles. 1
- 434 Structural features of the oxidonitridophosphates K (PO)N (= Al, Ga).. **2021**, 77, 1213-1218
- 433 Geometrical Spin Frustration and Monoclinic-Distortion-Induced Spin Canting in the Double Perovskites LnLiFeO (Ln = La, Nd, Sm, and Eu) with Unusually High Valence Fe. **2021**, 143, 19207-19213 1
- 432 A Gold(I) Oxide Double Perovskite: BaAuO. **2021**, 143, 19033-19042 0
- 431 Synthesis and crystal structure of bis-[η]-bis-(2-amino-ethyl)ethane-1,2-di-amine]-bis-[η]-bis-(2-amino-ethyl)ethane-1,2-di-amine]- μ -oxido-hexa- μ -oxido-octa- μ -nona-deca-hydrate.. **2021**, 77, 1253-1257
- 430 Zinkgruvanite, Ba₄Mn²⁺₄Fe³⁺₄, a new ericssonite-group mineral from the Zinkgruvan Zn-Pb-Ag-Cu deposit, Askersund, Örebro County, Sweden. **2021**, 82, 659-672
- 429 Zinconigerite-2N1S ZnSn₂Al₁₂O₂₂(OH)₂ and zinconigerite-6N6S Zn₃Sn₂Al₁₆O₃₀(OH)₂, two new minerals of the nolanite-spinel polysomatic series from the Xianghualing skarn, Hunan Province, China. **2021**,
- 428 Synthesis, crystal structure and charge-distribution validation of a new alluaudite-type phosphate, NaMnIn(PO). **2020**, 76, 1369-1372 1
- 427 Al₅B₁₂O₂₅(OH) and Ga₄InB₁₂O₂₅(OH) [Two additional triel borates with the structure type M₅B₁₂O₂₅(OH) (M = Ga, In). **2020**, 75, 605-613 1
- 426 High-pressure synthesis and characterization of the non-centrosymmetric scandium borate ScB₆O₉(OH)₃. **2020**, 75, 597-603
- 425 Revised values of the bond-valence parameters for Te^{IV}, Te^V and Te^{VI}. **2013**, 69, 145-149 2
- 424 Zunyite, davreuxite, keldyshite, gageite, pumpellyite, jennite and related silicates. 259-284
- 423 Solid state NMR spectroscopy as supporting method in Rietveld structure refinements of rock-forming minerals. 421-463 1
- 422 Mineral structures, defects and their evolution with pressure and temperature. 31-63 1

- 421 Neutron powder diffraction study of NaMn₂O₄ and Li_{0.92}Mn₂O₄: Insights on spin-charge-orbital ordering. **2020**, 2, 0
- 420 Crystal structure and photophysical properties of a novel polyoxomolybdate porphyrin. **2020**, 76, 1062-1067 0
- 419 Lu-atom-ordered oxonitridoaluminosilicate BaCeLuAlSiNO. **2020**, 76, 1708-1711 1
- 418 Thallium diphosphates. **2020**, 75, 927-937
- 417 K₂SnOF₄ and K₂WO₃F₂ [different but similar]. **2020**, 75, 833-841 1
- 416 Titanium compounds containing naturally occurring dye molecules. **2021**, 50, 17202-17207 2
- 415 Nonlinear optical properties of a new polar bismuth tellurium oxide fluoride, Bi₃F(TeO₃)(TeO₂F₂)₃. **2022**, 895, 162603 0
- 414 Synthesis, X-ray crystal structure, Hirshfeld surface analysis, DFT, AIM, ELF, RDG and molecular docking studies of bis[4-(dimethylamino)pyridinium]di-μ-chlorido-bis[dichloridomercurate(II)]. 1-20 0
- 413 Synthesis and structural characterization of U-phase, [3Ca₂Al(OH)₆][Na(H₂O)₆(SO₄)₂·6H₂O] layered double hydroxide. **2021**, 122730 0
- 412 Mixed-Ligand Oxidovanadium(IV/V) Complexes Chelated by β-Hydroxycarboxylate and 2-(1H-Imidazol-2-yl)pyridine: Localized Structures and Gas Adsorption. **2022**, 2022, e202100877 1
- 411 Two Polymorphic Polyoxometalate-Based MetalOrganic Frameworks for the Efficient Synthesis of Functionalized Sulfoxides and Detoxification of Mustard Gas Simulants. **2021**, 9, 15683-15693 5
- 410 Hyper-coordinated iodine in HIO₃ under pressure. **2021**, 117, 103318 0
- 409 Oxide-ion and proton conductivity of the ordered perovskite BaY_{1/3}Ga_{2/3}O_{2.5}. **2021**, 306, 122733 1
- 408 AA'ZnTeO (A = Na, A' = Rare Earth) Garnets: A-Site Ordered Noncentrosymmetric Structure, Photoluminescence, and Na-Ion Conductivity. **2021**, 60, 18168-18177 1
- 407 A novel ultra-low loss ceramic Li₅ZnSnNbO₈ with a rock salt structure. **2021**, 277, 125457 0
- 406 Structural, vibrational, thermal and magnetic properties of mullite-type NdMnTiO₅ ceramic. 0
- 405 Incorporation mechanism of Fe and Al into bridgmanite in a subducting mid-ocean ridge basalt and its crystal chemistry. **2021**, 11, 22839 1
- 404 Synthesis and Selected Properties of New Complex Cation Decorated Polyoxotantalates. **2021**, 21, 7128-7138 1

- 403 Structural speciation in chemical reactivity profiling of binary-ternary systems of Ni(II) with iminodialcohol and aromatic chelators. **2021**, 212, 115577 0
- 402 A new e-Keggin polyoxometalate-based metal-organic framework: From design and synthesis to electrochemical hydrogen evolution. **2021**, 161, 106367 2
- 401 Iron(II/III) sulfite and sulfates for oxygen adsorption and degradation of methyl orange. **2021**, 306, 122784 0
- 400 K6Bi13(PO4)15, K5Bi(P2O7)2, A5Bi5(PO4)4(P2O7)2 (A=K, Rb): New bismuth phosphates with different condensed phosphate groups. **2021**, 896, 163066 1
- 399 Effect of La vacancies on the oxide-ion conduction in lanthanum silicate apatites. **2021**, 373, 115793 1
- 398 Stepwise assembly of heterometallic aluminum oxo clusters. **2021**, 306, 122763 0
- 397 Paramagnetic one-dimensional chains containing high-spin manganese atoms showing antiferromagnetic interaction through -Pt-Rh-Rh-Pt- bonds.. **2021**, 0
- 396 Molecule-like cluster magnetism and cationic order in the new hexagonal perovskite BaSnMnO.. **2021**, 11, 40235-40242 1
- 395 CuMnGeS and CuMnGeS: two polar thiogermanates exhibiting second harmonic generation in the infrared and structures derived from hexagonal diamond. **2021**, 50, 17524-17537 2
- 394 Two novel telluroniobates with efficient catalytic activity for the imidation/amidation reaction.. **2022**, 2
- 393 Pomite and pseudopomite, two new carbonate-encapsulating mixed-valence polyoxovanadate minerals. **2022**, 0
- 392 Enhanced $V\bar{V}$ Bond Length Dependence of Magnetic Exchange Coupling in Frustrated Spinels Li2V2O4 and M2+V2O4 near the Mott Transition. **2022**, 91, 0
- 391 Hydrogen bond network and bond valence analysis on uranyl sulfate compounds with organic-based interstitial cations. **2022**, 307, 122871 0
- 390 Excitation-wavelength-dependent luminescence of Sr3P4O13:Eu3+ amber-emitting microphosphor for fluorescence latent fingerprint visualization. **2022**, 149, 107763 0
- 389 Computational design of materials for metal-ion batteries. **2021**, 1
- 388 Quaternary Selenides EuLnCuSe: Synthesis, Structures, Properties and In Silico Studies.. **2022**, 23, 4
- 387 Designing new polar materials. **2022**, 0
- 386 Nomenclature of wöhlerite group minerals. 1-47 0

- 385 High-Pressure Synthesis of Polar and Antiferromagnetic Mn₂MnMoO₆. 0
- 384 Phase pure rhombohedral R₃̄m̄R̄₃̄m̄ AgCoO₂ delafossite: Rietveld, selected area electron diffraction, X-ray photoemission spectroscopy, and magnetic studies. 1
- 383 Phase transition regulation and piezoelectric performance optimization of fresnoite crystals for high-temperature acceleration sensing. **2021**, 10, 180-190 1
- 382 Zinc sequestration by human calprotectin facilitates manganese binding to the bacterial solute-binding proteins PsaA and MntC.. **2022**, 1 1
- 381 Efficient degradation of reactive brilliant red on the first open-framework borate-rich cadmium borophosphate. **2022**, 24, 479-483 0
- 380 A series of POM-based compounds by tuning coordination groups and spacers of ligands: electrocatalytic, capacitive and photoelectrocatalytic properties. **2022**, 24, 587-600 1
- 379 Synthesizing Mechanism of the Mn₄Ca-cluster Mimicking the Oxygen-Evolving Center in Photosynthesis.. **2022**, 0
- 378 The crystal and defect structures of polar KBiNbO₃. **2022**, 0
- 377 Illoqite-(Ce), Na₂NaBaCeZnSi₆O₁₇, a new member of the nordite supergroup from Illohaussaq alkaline complex, South Greenland.. 1-9 0
- 376 Site splitting at M3 in allanite-(Ce). 1-7 0
- 375 Synthesis, structure and properties of three novel transition-metal-containing tantalum-phosphate clusters. **2022**, 1 1
- 374 Ca[Ti(HPO)(PO)]₄HO, Ca[Ti(HO)(HPO)]₄HO, and Ti(HPO): Solid-State Oxidation via Proton-Coupled Electron Transfer.. **2022**, 61, 1327-1334 0
- 373 Structural, Electronic, and Physical Properties of a New Layered Cr-Based Oxyarsenide SrCrAsO₃.. **2022**, 15, 0
- 372 Binuclear Ru(III)-Containing Polyoxometalate with Efficient Photocatalytic Activity for Oxidative Coupling of Amines to Imines.. **2022**, 4 4
- 371 A new IO₃̄ group constructed from IO₃̄ and IO₅̄ anion units in Cs₃[Ga₂O(IO₃)₄(HIO₃)]. **2021**, 24, 77-82 0
- 370 Site preference of fluoride anion and potential ionic conductivity in fluorapatites A₅(VO₄)₃F (A = Pb, Sr, and Ba). **2022**, 130, 35-38 0
- 369 Princivalleite, Na(Mn₂Al)Al₆(Si₆O₁₈)(BO₃)₃(OH)₃O, a new mineral species of the tourmaline supergroup from Veddasca Valley, Varese, Italy. 1-9 0
- 368 A series of POM compounds constructed using a flexible ligand containing three coordination groups: electrocatalytic and photocatalytic reduction and amperometric detection of Cr(vi). **2022**, 46, 2798-2807 1

- 367 POM-based compounds modified by mono- and bis-triazole derivatives: photocatalytic, electrochemical, and supercapacitor properties. **2022**, 24, 1267-1278 0
- 366 Carbazole-based bis-imidazole ligand-involved synthesis of inorganic-organic hybrid polyoxometalates as electrochemical sensors for detecting bromate and efficient catalysts for selective oxidation of thioether.. **2022**, 12, 4437-4445 0
- 365 Molecular recognition, characterization and biological importance of tetrabutylammonium hexanitrate cerium (III) complex. **2022**, 76, 3259 0
- 364 Novel layered heterobimetallic fluorides with large optical band gaps. **2022**, 309, 122957 0
- 363 A new salt-inclusion compound, $[\text{Ag}_4\text{Br}][\text{B}_7\text{O}_{12}]$, with a novel type of the porous double-layered borate anion and strong anharmonicity of the guest sublattice. **2022**, 125, 106831 1
- 362 Interaction of Zn with ferrihydrite and its cooperative binding in the presence of PO_4 . **2022**, 320, 223-237 1
- 361 Polymorphism and topological features of compounds with the general formula $\text{A}_1^x\text{B}_x\text{M}_2^y\text{M}_3^z[\text{BP}_2\text{O}_8(\text{OH})]$ (where $x = 0, 1$): Synthesis and structure refinement of $\text{Rb}[\text{V}[\text{BP}_2\text{O}_8(\text{OH})]]$, analysis of the ion-migration paths, and comparative crystal chemistry of vanadium borophosphates. **2022**, 308, 122831 0
- 360 Polar lanthanide copper iodates $\text{LnCu}(\text{IO}_3)_5$ ($\text{Ln} = \text{La}, \text{Ce}, \text{Pr}, \text{and Nd}$): Synthesis, crystal structure and characterization. **2022**, 308, 122934 0
- 359 Structural change and charge compensation mechanism for $\text{Li}^+(\text{Fe}_{0.1}\text{Ni}_{0.1}\text{Mn}_{0.8})_1\text{O}_2$ (0 **2022**, 149, 111743 0
- 358 Statistical analysis of P clusters in Mo/VFe protein crystals using a bond valence method toward their electronic structures.. **2022**, 12, 5214-5224 0
- 357 Two high-nuclearity isopolyoxoniobates containing $\{\text{Nb}_2\text{O}_7\}$ -based helical nanotubes for the decomposition of chemical warfare agent simulants.. **2022**, 0
- 356 Halide-sodalites: thermal expansion, decomposition and the Lindemann criterion. **2022**, 2
- 355 Crystal structure and microwave dielectric properties of $\text{Mg}^{2+}\text{-Si}^{4+}$ co-modified yttrium aluminum garnet ceramics. **2022**, 33, 4712 0
- 354 High-pressure synthesis, crystal structure, and magnetic property of $\text{LaCo}_6\text{O}_{11}$. 1
- 353 Bouquet-like uranium-containing selenotungstate consisting of two different Keggin-/Anderson-type units with excellent photoluminescence quantum yield. **2022**, 0
- 352 Synthesis, structural and spectral characteristics of $\text{Cd}_3\text{O}_2\text{SO}_4$. **2022**, 30, 103215 0
- 351 Structure of binary antimony phosphate glasses by diffraction methods. **2022**, 583, 121476 0
- 350 ScO_x rich surface terminations on lanthanide scandate nanoparticles. **2021**, 5, 1

- 349 A nanoscale polymolybdate builded by two hexavacant Keggin-type fragments via a novel {Ca6P6O38} cluster with sheet conformation modulation ability. 1
- 348 An unprecedented fully reduced {MoV60} polyoxometalate: from an all-inorganic molecular light-absorber model to improved photoelectronic performance. 3
- 347 Comparisons of bond valences and distances for CO- and N2-bound clusters of FeMo-cofactors.
- 346 Field-induced mononuclear cobalt(II) single-molecule magnet (SMM) based on a benzothiadiazole-vanillin ligand.. 2022, 0
- 345 Two new rare-earth borates SrTbBO and BaEuBO (= 2/3): syntheses, crystal structures, and luminescence properties.. 2022, 0
- 344 Homovalent Cation Substitutions Leading to New Lithium-Containing La3cusis7 Family Members Having Chiral, Uniaxial Structures and Exhibiting Second- and Third-Harmonic Generation.
- 343 Four POM-based complexes modified by multi-nuclear clusters: structure, photocatalytic, supercapacitor and chromogenic properties. 0
- 342 Oxidation of europium with ammonium perfluorocarboxylates in liquid ammonia: pathways to europium(II) carboxylates and hexanuclear europium(III) fluoridocarboxylate complexes.. 2022,
- 341 Constructing a superior CoMo HDS catalyst from a crystalline precursor separated from the impregnating solution. 2022, 12, 2278-2288 1
- 340 Conversion of Li2FeSbO5 to the Fe(III)/Fe(V) Phase LiFeSbO5 via Topochemical Lithium Extraction. 2022, 34, 2468-2475 0
- 339 Copper-Containing Polyoxometalate-Based Metal-Organic Framework as a Catalyst for the Oxidation of Silanes: Effective Cooperative Catalysis by Metal Sites and POM Precursor.. 2022, 61, 4056-4061 2
- 338 Tris(2-Pyridylmethylamine)V(O) Complexes as Counter Ions of Diprotonated Decavanadate Anion: Potential Antineoplastic Activity.. 2022, 10, 830511
- 337 Discovery of Fast Calcium-Ion Conduction in Grossite-Type Compounds CaAl4O7 and CaGa4O7 by Bond Valence Screening Method. 2022, 5, 3227-3234 0
- 336 Phosphogermanate Crystal: A New Ultraviolet-Infrared Nonlinear Optical Crystal with Excellent Optical Performances.. 2022, 1
- 335 Cd4InO(BO3)3: A New Nonlinear Optical Crystal Exhibiting Strong Second Harmonic Generation Effect and Moderate Birefringence. 2022, 12, 266
- 334 Layered Perovskite-like Nitrate CsPb(NO)Br as a Multifunctional Optical Material.. 2022, 2
- 333 Two Indium Iodate-Nitrates with Large Birefringence Induced by Hybrid Anionic Functional Groups and Their Favorable Arrangements.. 2022, 2
- 332 Mn and Ce Units Supported on an Octahedral Molecular Nanoparticle of CeO.. 2022,

- 331 Nonstoichiometric Ellenbergerite-Type Phosphates: Hydrothermal Synthesis, Crystal Chemistry, and Magnetic Behavior.. **2022**, 61, 4879-4886 0
- 330 Lowered sintering temperature and modulated microwave dielectric properties in Mg₂SiO₄ forsterite via Ge substitution. 1
- 329 Bonding between the decavanadate polyanion and the interstitial complex in pascoite-family minerals. **2022**, 60, 341-359 1
- 328 First-Principles Analysis of the Oxide-Ion Conduction Mechanism in Si-Deficient Lanthanum Silicate Apatite. **2022**, 126, 5805-5812 0
- 327 The Role of Scandium Substitution in Babingtonite Group Minerals. **2022**, 12, 333
- 326 Chemical Diversity for Tailoring Negative Thermal Expansion.. **2022**, 5
- 325 Formation of polynuclear iron(III) complexes of N-(2-pyridylmethyl)iminodipropanol depending on pseudohalide ions: synthesis, crystal structure, and magnetic properties. **2022**,
- 324 CsY(SO)₄·4H₂O: A Deep-Ultraviolet Birefringent Crystal Induced by an Edge-Sharing Connection.. **2022**, 1
- 323 KZrF(SbF)(SbF) and K(ZrF)(SbZrF): Two Zirconium Fluoroantimonites with Low Dimensional Structures and Wide Transparency Range.. **2022**, 0
- 322 Tetrahedral Tilting and Oxygen Vacancy Stabilization and Migration in LaSr(GaO)O Mixed Electronic/Oxide Ionic Conductors.. **2022**,
- 321 Preparation and Visible-Light Response of Salicylate-Stabilized Heterobimetallic Pb-Ti-Oxo Clusters Initiated via Auxiliary Quaternary Ammonium Salts and a Solvent Effect.. **2022**, 61, 5017-5024 1
- 320 Elasticity of Nonstoichiometric Alumina-Rich Spinel Determined by Bond Valence Theory and Brillouin Scattering.. **2022**,
- 319 Internal nucleation tendency and crystal surface energy obtained from bond energies and lattice data. **2022**, 100093
- 318 Homovalent cation substitutions leading to new lithium-containing La₃CuSi₇ family members having chiral, uniaxial structures and exhibiting second- and third-harmonic generation. **2022**, 164855
- 317 Confined and synergistic effects between protonated amines and gases in the frameworks of lanthanum 1,3-propanediaminetetraacetates. **2022**, 335, 111813 0
- 316 Synthesis, Characterization, and DFT Investigation of the Role of Oxygen Vacancy on the Structural, Magnetic, and Electronic Properties of La₂CoMnO₆. 1 0
- 315 An experimental and theoretical study of the structural, optical, electrical, and dielectric properties of PrAsO₄. **2022**, 164894 0
- 314 A ring-shaped 12-Ti-substituted poly(polyoxometalate): synthesis, structure, and catalytic properties. 1

- 313 Sensitive and Reliable Fluorescent Thermometer Based on a Red-Emitting LiMgHfO:Mn Phosphor.. **2022**, 2
- 312 A monomeric iron(III) compound containing N-(2-pyridylmethyl)iminodiisopropanolate and thiocyanato ligands: structure, magnetic and catalytic properties. **2022**, 535, 120877
- 311 Synthesis, structural, optical, thermal, magnetic and EPR investigations of the new phosphate KCuCr(PO₄)₂. **2022**, 1258, 132640 0
- 310 A twelve-connected 3D mixed valence Ni(II)/Ni(III) metal-organic framework based on hexanuclear nickel clusters building unit: Synthesis, structure and magnetic properties. **2022**, 140, 109431
- 309 Crystal designing and magneto-chemical characterization of unusual nickel(II) MOFs. **2022**, 1258, 132664
- 308 [Ni(N₂H₅)₂(C₂O₄)₂]₂·2H₂O: Formation, crystal structure, catalytic performance and sorbence activities. **2022**, 635, 413857 0
- 307 Distinctive features of the crystal-chemical, thermal and luminescence properties of (Zn_{0.94}Mg_{0.06})₂SiO₄:Mn phosphor. **2022**, 907, 164433 0
- 306 Thermal evolution of the EuBaCo₂O_{5.5} crystal structure. **2022**, 311, 123102 0
- 305 Global instability index as a crystallographic stability descriptor of halide and chalcogenide perovskites. **2022**, 70, 1-8 2
- 304 Impact of Positional Isomers on the Selective Isolation of cis-trans Isomers in Cobalt-Dioxolene Chemistry and Solvation Effects on the Valence Tautomerism in the Solid State. **2022**, 22, 993-1004
- 303 Romite-Group Minerals Review: New Crystal Chemical and Raman Data of Fluorcalciomite and Hydroxycalciomite. **2021**, 11, 1409 0
- 302 A study on structural analysis and magnetic behaviour of barium hexaferrite nanomaterial. **2022**, 128, 1 0
- 301 Two Organic Hybrid Manganese Selenoarsenates: The Discovery of One-Dimensional Low-Valent Selenoarsenate(II). **2021**, 0
- 300 Effects of pH and Dissolved Silicate on Phosphate Mineral-Water Partitioning with Goethite. **2022**, 6, 34-43 0
- 299 Basics of bulk analysis by X-ray diffraction and applications to electrochemistry. **2021**, 89, 370-377
- 298 SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF ZINC AND CADMIUM COORDINATION POLYMERS CONSTRUCTED BY 2-PHENYLBUTANEDIOIC ACID AND BIS(4-(1H-IMIDAZOL-1-YL)PHENYL) METHANONE LIGANDS. **2021**, 62, S1-S7
- 297 Single-Crystal Structure of HP-Sc₂TeO₆ Prepared by High-Pressure/High-Temperature Synthesis. **2021**, 11, 1554 0
- 296 Two Giant Calixarene-Like Polyoxoniobate Nanocups {Cu₁₂Nb₁₂₀} and {Cd₁₆Nb₁₂₈} Built from Mixed Macrocyclic Cluster Motifs. **2022**, 134,

295	Two Giant Calixarene-Like Polyoxoniobate Nanocups {Cu ₁₂ Nb ₁₂ O} and {Cd ₁₆ Nb ₁₂ O} Built From Mixed Macrocyclic Cluster Motifs.. 2021 ,	1
294	High-Pressure Photoluminescence Properties of Cr-Doped LaGaO Perovskites Modulated by Pressure-Induced Phase Transition. 2021 ,	3
293	Magnetic Ordering and Structural Transition in the Ordered Double-Perovskite Pb ₂ NiMoO ₆ . 2022 , 34, 97-106	0
292	Development of structural descriptors to predict dissolution rate of volcanic glasses: Molecular dynamic simulations. 2022 , 105, 2575-2594	0
291	Cation Dimerization in a 3d Honeycomb Lattice System.. 2021 ,	4
290	∅-V ₂ O ₅ Polymorph: A Genuine Zn Intercalation Material for Nonaqueous Rechargeable Batteries. 2022 , 34, 1203-1212	2
289	Oxide-ion Conductivity Optimization in BiVO ₄ Scheelite by Acceptor Doping Strategy.	
288	Bond-Valence Parameterization for the Accurate Description of DFT Energetics.. 2022 ,	0
287	Novel first-row transition-metal phosphates: hydrothermal synthesis and crystal structures.. 2022 , 78, 287-294	
286	Synthesis of Hydride-Doped Perovskite Stannate with Visible Light Absorption Capability.. 2022 ,	1
285	The Combination of Structure Prediction and Experiment for the Exploration of Alkali-Earth Metal-Contained Chalcopyrite-Like IR Nonlinear Optical Material.. 2022 , e2106120	4
284	Synthesis and ionic conductivity of Li boracites, Li ₄ B ₇ O ₁₂ Cl and Li ₄ B ₄ Al ₃ O ₁₂ Cl ₁ -Br. 2022 , 380, 115921	1
283	Ba(Y _{0.25} Zr _{0.5} Nb _{0.25})O ₃ : A novel three B-sites perovskite synthesis and structural characterization. 2022 , 911, 165007	0
282	Data_Sheet_1.PDF. 2020 ,	
281	Data_Sheet_2.PDF. 2020 ,	
280	Image_1.TIF. 2020 ,	
279	Data_Sheet_1.PDF. 2019 ,	
278	Table_1.DOCX. 2020 ,	

277 Data_Sheet_2.PDF. **2019**,

276 Table_2.DOCX. **2020**,

275 Data_Sheet_3.PDF. **2019**,

274 Table_3.DOCX. **2020**,

273 Data_Sheet_4.PDF. **2019**,

272 Data_Sheet_5.docx. **2019**,

271 Data_Sheet_1.PDF. **2019**,

270 Table_1.DOCX. **2019**,

269 Synthesis and Luminescence Properties of Amber Emitting $\text{La}_7\text{Sr}[\text{Si}_{10}\text{N}_{19}\text{O}_3]:\text{Eu}^{2+}$ and Syntheses of the Substitutional Variants $\text{RE}_{8-x}\text{AEx}[\text{Si}_{10}\text{N}_{20-x}\text{O}_2+x]:\text{Eu}^{2+}$ with RE = La,Ce; AE = Ca, Sr, Ba; 0 ≤ x ≤ 8. **2022**,

268 Rare Earth Mono-Substituted Keggin Dimer Based Chains Linked by Shared O Atoms or Dithio Oxamide: Structures, Electrochemical, Supercapacitor and Magnetic Properties.

267 New phosphotetradecavanadate hybrids: crystal structure, DFT analysis, stability and binding interactions with bio-macromolecules.. **2022**,

266 Crystal growth and structure of a high temperature polymorph of Sr_2TiO_4 with tetrahedral Ti-coordination, and transition to the Ruddlesden-Popper tetragonal phase.

265 Na-Alternative to Tinsleyite Obtained under Hydrothermal Conditions: Crystal Structure and Comparative Crystal Chemistry. **2022**, 12, 542

264 Keggin-Type Tridecanuclear Europium-Oxo Nanocluster Protected by Silsesquioxanes. **2022**, 34, 4186-4194

263 Applications of Polyoxometalates (A Review). **2022**, 38, 327-335

262 Role of BO_6 octahedral distortion on high temperature piezoelectric properties in $\text{Bi}_3\text{-(Li}_{0.5}\text{Sm}_{0.5})\text{TiNbO}_9$. **2022**,

261 A Ni_2Mo Polyoxometalate Based on Octamolybdate: Self-assemble and Application in Hydrotreating Catalyst. 1

260 Bi - and Ag PS: Two Semiconductors with Promising Photocatalytic Hydrogen Production Based on a Density Functional Theory Study.. **2022**,

- 259 Assembly of selenoniobate–vanadoniobate double-anion heteropolyoxoniobate: synthesis, structure, and magnetic property.
- 258 Synthesis of a mixed-valent europium(II, III)-borate and its optical and magnetic behavior.
- 257 A cobalt(II) complex based on imidazole dicarboxylate ligand with high proton conductivity. **2022**, 121006 ○
- 256 Highly Stable Fe²⁺/Ti³⁺-Based Fluoride Cathode Enabling Low-Cost and High-Performance Na-Ion Batteries. 2201816
- 255 Structure and Reactivity of Polynuclear Divalent Lanthanide Disiloxanediolate Complexes.. **2022**,
- 254 Gurzhiite, Al(UO₂)(SO₄)₂·10H₂O, a new uranyl sulfate mineral with chain structure from Bykogorskoe deposit, Northern Caucasus, Russia. 1-25 1
- 253 Multiple Anion Chemistry for Ionic Layer Thickness Tailoring in Bi₂+2nO₂+2nSenX₂ (X = Cl, Br) van der Waals Semiconductors with Low Thermal Conductivities.
- 252 Crystal chemistry and origin of REE-bearing mukhinite from carbonate veins of the Svetlinsky gold deposit, South Urals, Russia. 1-33
- 251 Structure and Magnetic Properties of Ni₄V₃O₁₀, an Antiferromagnet with Three Types of Vanadium–Oxygen Polyhedra.
- 250 Chiral {NiPW} Cluster–Organic Framework: Synthesis, Structure, and Properties.. **2022**, ○
- 249 V–V Dimerization and Magnetic State of Cobalt Ions in Ilmenite-Type CoVO.. **2022**, 1
- 248 Potassium rare-earth tellurite chlorides: A new branch from the old root. **2022**, 129, 106895 ○
- 247 Te₃O₅F₂: a new metastable tellurium IV oxyfluoride with an acentric complex structure. **2022**, 259-260, 109991
- 246 Medvedevite, KMn₂+V₅+2O₆Cl₂·2H₂O, a new fumarolic mineral from the Tolbachik fissure eruption 2012-2013, Kamchatka Peninsula, Russia. 1-19
- 245 A Three-Dimensional (3D) Indium-Containing Polyoxoniobate Framework Based on {InNb} Helical Pillars.. **2022**,
- 244 Revisiting the Three Vanadium Sandwich-Type Polyoxometalates: Structures, Solution Behavior, and Redox Properties.. **2022**, 1
- 243 Three rare-earth incorporating 6-peroxotantalo-4-selenate and catalytic activities for imidation reaction. 1
- 242 Band Gap Modulation and Properties of Quaternary Tellurates Li₂GeTeO₆. ○

- 241 POM-based porous supramolecular framework for the efficient sulfide-sulfoxide transformation with low molar O/S ratio. 1
- 240 Hirshfeld surface investigation, crystal structure, physico-chemical studies and chemical sensor applications of $K_3(NH_4)_3[MnMo_9O_{32}] \cdot 9H_2O$.
- 239 Synthesis, crystal structure, spectroscopic and optical properties of the new phosphate $Pb_{0.954(3)}Mn_2(PO_4)_2$. **2022**, 123265
- 238 KLi_2CO_3F : a Beryllium-free KBBF-type Deep-UV Carbonate with Enhanced Interlayer Interaction and Large Birefringence. 1
- 237 Exploration of the Crystal Structure, Thermal and Spectroscopic Properties of Monoclinic Praseodymium Sulfate $Pr_2(SO_4)_3$.
- 236 Competitor Hydrogen-Bond Acceptors in the $Sp(Nh)_3$ -Based Structures: Similarity/Differences of Structural Features Completed with Database Survey and Chemical Calculation.
- 235 A Novel Tetrameric Heptomolybdate with Reactive Oxygen Species Catalytic Ability. **2022**, 48, 325-331 1
- 234 Borates as a new direction in the design of oxide ion conductors. 2
- 233 New Investigations of the Crystal Structure of Lead Germanate $Pb_5Ge_3O_{11}$. **2022**, 67, 334-347 0
- 232 Stabilization of the Trigonal Langasite Structure in $Ca_3Ga_2 \cdot xZn_xGe_{4+x}O_{14}$ ($0 \leq x \leq 1$) with Partial Ordering of Three Isoelectronic Cations Characterized by a Multitechnique Approach. 0
- 231 Pressure-induced structural phase transition in BaHfCl. **2022**, 312, 123253 0
- 230 Spectroscopic properties of alkali borate glasses containing Cu^{2+} . **2022**, 591, 121711 0
- 229 Achieving strong second harmonic generation response and wide band gap in a Hg-based material. 2
- 228 Mechanisms of temperature-dependent oxygen absorption/release and appearance of intermediate phase in $\beta-Ce_2Zr_2O_8$: study based on oxygen vacancy formation energy computations. **2022**, 12, 16717-16722
- 227 Atomic origin of the coexistence of high critical current density and high T_c in $CuBa_2Ca_3Cu_4O_{10+\delta}$ superconductors. **2022**, 14, 0
- 226 High-pressure neutron diffraction study of magnetite, Fe_3O_4 , nanoparticles. **2022**, 120, 233101
- 225 Effect of bond valence sum on the structural modeling of lead borate glass. **2022**, 121751 0
- 224 A Novel Tri-Coordination Zinc Complex Functionalized Silicotungstate with ROS Catalytic Ability and Anti-Tumor Cells Activity. **2022**, 12, 695 0

- 223 Spatiotemporal Route to Understanding Metal Halide Perovskitoid Crystallization. ○
- 222 Exploring the Role of Organic Functional Groups in the Ionothermal Synthesis of Uranyl Phosphate Materials.
- 221 Rare earth mono-substituted Keggin dimmers: Structures, electrochemical, supercapacitor and magnetic properties. **2022**, 123343
- 220 Structural changes and valence-mixing transition in EuBaCo₂O₅. **2022**, 123367
- 219 Exploration of the Crystal Structure and Thermal and Spectroscopic Properties of Monoclinic Praseodymium Sulfate Pr₂(SO₄)₃. **2022**, 27, 3966 1
- 218 Crystal structure of (K_{1.5}Na_{0.5})Ca₃Si₃O₁₀. **2022**, 78, ○
- 217 Structural, optical, and magnetic properties of V-doped ZnO nanoparticles and the onset of ferromagnetic order. **2022**, 920, 165920 ○
- 216 Two layered galloborates from centric to acentric structures: syntheses and NLO properties. ○
- 215 Successive constructions of regular tetra-, hexa- and octanuclear microporous polyoxovanadates(iii) for gas adsorption.
- 214 Trihalide Mixing by Size-Flexible H₂O_n in Layered Ba₂H₃ (Cl, Br, I). **2022**, 34, 5654-5662 ○
- 213 Structural Characterization and Influence of Defects on the Optical Properties of the Oxygen-Deficient Perovskite Ba₃LiNb₂O_{8.5}. **2022**, 61, 10272-10282
- 212 Mixed-Valent Trinuclear Co^{III}-Co^{II}-Co^{III} Complex with 1,3-Bis(5-chlorosalicylideneamino)-2-propanol. **2022**, 27, 4211 ○
- 211 Crystal growth, structure elucidation and CHARDI/BVS investigations of KCoFe(PO₄)₂. **2022**, 78, 746-749
- 210 From bond strength to charge distribution: modern developments of the empirical analysis of crystal structures. **2022**,
- 209 Magnetocaloric Effect of Two Gd-Based Frameworks. **2022**, 10, 91
- 208 High-Nuclear Ni-Substituted Poly(polyoxometalate) Containing an Anderson-like {Cs₇} Cluster. 1
- 207 Sr₉La₂(WO₆)₄ containing [WO₆] octahedra. **2022**, 78,
- 206 First Organic-Inorganic Hybrid Compounds Formed by Ge-V-O Clusters and Transition Metal Complexes of Aromatic Organic Ligands. **2022**, 27, 4424

205 ~~Ni₂Co₂Fe₂P₂O₁₄~~ BaLa₂DySc₂O₇. **2022**, 68-76

204 Predicting the formation of fractionally doped perovskite oxides by a function-confined machine learning method. **2022**, 3, 1

203 Synthesis and structural characterization of a novel perovskite oxyfluoride BaY_{0.5}Zr_{0.5}O_{2.5}F_{0.5}. **2022**,

202 Cation-anion synergetic interactions achieving tunable birefringence in quasi-one-dimensional antimony(III) fluoride oxalates. 1

201 Designed Syntheses of Three {Ni₆PW₉}-Based Polyoxometalates, from Isolated Cluster to Cluster-Organic Helical Chain. **2022**, 27, 4295

200 The access of {Ni^{IV}(OH)₂} intermediate in Ni(II) mediated oxygen atom transfer to coordinated Phosphine: Combined experimental and computational studies. **2022**, 224, 116030

199 Directed synthesis of an unusual uniform trimetallic hydrogen evolution catalyst by a predesigned cobalt-bipy modified bivanadyl capped polymolybdate. **2022**, 314, 123403

198 Effects of lanthanide ions on the structure and electrical properties of Aurivillius Bi₃TiNbO₉ high temperature piezoelectric ceramics. **2022**, 921, 166065 0

197 A hexa-Cu cluster sandwiched silicotungstate with reactive oxygen species catalytic ability and anti-tumor activity in PC12 cells. **2022**, 1267, 133616 1

196 Ab initio study of the optoelectronic properties of β -Ba₂SnS₄. **2022**, 150, 106917 0

195 Charge Distribution and Bond Valence Sum Analysis of Sulfosalts The ECoN21 Computer Program. **2022**, 12, 924

194 Structures and Magnetic Ordering in Layered Cr Oxide Arsenides Sr₂CrO₂Cr₂OAs₂ and Sr₂CrO₃CrAs.

193 Topochemical Synthesis of LiCoF₃ with a High-Temperature LiNbO₃-Type Structure.

192 Insights into the new cobalt (II) monosubstituted keggin-type polyoxomolybdate: synthesis, characterizations, and application in the catalytic degradation of crystal violet dye. **2022**, 134, 0

191 Three Keggin-based complexes modified by an asymmetric ligand: structures, electrochemical, photocatalytic and fluorescence sensing properties.

190 Structural and Magnetic Characterization of Mixed-valence vanadium (IV/V) complex with {(VO)₂(EO)}₃⁺ core: Theoretical and Experimental Insights. **2022**, 133805 0

189 Organically Functionalized Mixed-Valent Polyoxo-30-molybdate Wheel and Neutral Tetramolybdenum(V) Oxo Cluster. 0

188 Three Proton-conductors Based-on Keggin-type Polyoxometalates Well-arranged in the Networks of Dinuclear-Cu(II)-mixed-organic-ligand Clusters. 1

- 187 Crystal structure determination and characterization of Sm₃SiO₅F₃. **2022**, 1
- 186 Deformation of the triangular spin-12 lattice in Na₂SrCo(PO₄)₂. **2022**, 106,
- 185 Solid-state NMR investigation of fast sodium ion-conducting glass ceramics: The system Na_{3+3x-y}RE_{1-x}P_ySi_{3-y}O₉ (RE = Sc, Y).
- 184 Crystal structure, electronic structure, and optical properties of the novel Li₄CdGe₂S₇, a wide-bandgap quaternary sulfide with a polar structure derived from lonsdaleite. **2022**, 78, 0
- 183 Etude expérimentale et synthèse d'un nouveau composé halogéné structure Hg₁₂Sb₆(Br₅). **2022**, 25, 189-203
- 182 Operando Direct Observation of Stable Water-Oxidation Intermediates on Ca₂IrO₄ Nanocrystals for Efficient Acidic Oxygen Evolution. 0
- 181 A mixed-valence [CoII₄CoIII₂] cluster with defect disk-shaped topology. **2022**, 78,
- 180 Hole Doping in the Two-Leg Ladder Plane of Sr_{2.5}Ca_{11.5}Cu₂₄O₄₁ by Accurate Determination of Modulated Composite Crystal Structure Using the Information Criterion. **2022**, 91,
- 179 Crystal and magnetic structures of the Ir(V) Jeffreys = 0 double perovskite LaSrNiIrO₆. **2022**, 315, 123477
- 178 Unraveling photocatalytic electron transfer mechanism in polyoxometalate-encapsulated metal-organic frameworks for high-efficient CO₂ reduction reaction. **2022**, 318, 121812 2
- 177 Two silver-containing polyoxometalate-based inorganic-organic hybrids as heterogeneous bifunctional catalysts for construction of C-C bonds and decontamination of sulfur mustard simulant. **2022**, 316, 123547 0
- 176 On the effective ionic radii for the tin(II) cation. **2022**, 171, 110992 1
- 175 Energy landscapes in inorganic chemistry. **2022**, 0
- 174 [C(NH₂)₃]BiCl₂SO₄: an excellent birefringent material obtained by multifunctional group synergy. 3
- 173 Self-assembly of fish-bone and grid-like CoII-based single-molecule magnets using dihydrazone ligands with NNN and NNO pockets. **2022**, 51, 13928-13937 0
- 172 Li₃[Al(PO₄)₂(H₂O)_{1.5}] and Na[AlP₂O₇]: from 2D layered polar to 3D centrosymmetric framework structures. 0
- 171 A highly efficient heterogeneous catalyst for selective oxidation of sulfides derived from an open-framework copper borovanadate containing a unique crown-shaped anion. **2022**, 51, 14413-14419 1
- 170 Air oxidation-induced single-crystal-to-single-crystal transformation of mixed-valence tetranuclear Fe(II)Fe(III) complexes. **2022**, 51, 14429-14433 0

- 169 The exploration of new infrared nonlinear optical crystals based on the polymorphism of BaGa4S7. **2022**, 9, 4632-4641 3
- 168 Understanding the role of flux, pressure and temperature on polymorphism in ThB2O5. **2022**, 51, 13376-13385o
- 167 Ba2Zn2B6O13: coplanar [B2O5] in unnoted U-shaped [B6O13] groups achieving large birefringence. **2022**, 58, 10182-10185 o
- 166 Two Three-Dimensional Fe(II) Frameworks Based on {P4mo6} Tetrameric Clusters Exhibiting Efficient Visible-Light Photocatalytic Properties for the Degradation of Cr(VI) and Methylene Blue. o
- 165 Three Photochromic Materials based on POMs and Viologens for UV Probing, Visual Detection of Metal Ions and Amine Detecting. o
- 164 KRE(CO3)2 (RE = Eu, Gd, Tb): new mixed metal carbonates with strong photoluminescence and large birefringence. o
- 163 Three Types of Lanthanide-Containing Polyoxoniobates and Their Luminescence Properties. **2022**, 61, 12181-12189 o
- 162 High-pressure synthesis of borate-nitrates: crystal structure of M3B7O13(NO3) (M' = Co2+, Ni2+, Cu2+, Zn2+, Cd2+). **2022**, 77, 719-725 o
- 161 (C3N6H7)2SbF5·H2O Exhibiting Strong Optical Anisotropy from the Optimal Arrangement of Conjugated (C3N6H7)+ Groups. **2022**, 61, 14242-14246 o
- 160 Resolving the Problems of the Past: Reinvestigation of the Structure of Acentric Deep UV BaB8O13 Borate. **2022**, 22, 6267-6274 o
- 159 [C(NH2)3]2MoO2F4·H2O: Unique Chinese-Knot Structure Revealing Superior Nonlinear-Optical Properties. **2022**, 61, 14523-14527 1
- 158 Magnetic structure and properties of the vanthoffite mineral Na6Mn(SO4)4. **2022**, 106, o
- 157 Water Adsorption on Mica Surfaces with Hydrophilicity Tuned by Counterion Types (Na, K, and Cs) and Structural Fluorination. **2022**, 126, 16447-16460 o
- 156 dl-Serine Covalently Ornamented and Ln3+-Incorporated Arsenotungstates with Fast-Responsive Photochromic and Photoinduced Luminescent Switchable Behaviors. 2
- 155 Tree-like Multidentate Ligand-Assisted Synthesis of Polymolybdate-Based Architectures with Multinuclear Metal Clusters: Supercapacitor and Electrochemical Sensing Performances. o
- 154 Preparation and electrochemical sensing performances toward bromate and Cr(VI) of two Ectamolybdate-based complexes decorated by in situ transformation ligand. o
- 153 New and refined bond valence parameters for Te4+ and Te4+Be2+ ion pairs. **2022**, o
- 152 Crystal structure of Rb6[B12O18(OH)6]·2H2O. **2022**, 78, 971-973 o

- 151 Unique Dimerization Topology and Counteranion Binding Modes in 12-Metallacrown-4 Compounds. ○
- 150 Liquid fragility maximum in lithium borate glass-forming melts related to the local structure. ○
- 149 Lattice-dynamics-based characterization of $\text{La}_{1-x}\text{AxCoO}_3$ - \square (A = Sr, Ba) nanoparticles for an inert anode in molten salts. ○
- 148 Competitor hydrogen-bond acceptors in the $\text{SP}(\text{NH})_3$ -based structures: Comparison of structural features - computational/database and experimental. **2022**, 116157 ○
- 147 Crystal structure of $\text{MgK}_0.5[\text{B}_6\text{O}_{10}](\text{OH})_{0.5} \cdot 0.5\text{H}_2\text{O}$, poly[dimagnesium potassium bis(hexaborate) hydroxide monohydrate]. **2022**, 78, 1003-1005 ○
- 146 Three New Difunctional Electrocatalysts Built from Polyoxometalates and Cu^{II} py Units: Experimental and Theoretical Study. ○
- 145 Synthesis, crystal structure, optical, color, thermal, magnetic, and spectroscopic properties of the substituted honeycomb-lattice $\text{BaNi}_{2-x}\text{Co}_x(\text{PO}_4)_2$ ($x = 0, 0.5$ and 1). **2022**, ○
- 144 Self-assembly of Hybrid Solids $\{\text{Hpz}\}_2[\text{H}_7\text{CrMo}_6\text{O}_{24}] \cdot 6\text{H}_2\text{O}$ and $[\text{Co}(2\text{-Hampz})_2\text{Cl}_4]$ (pz = pyrazole, 2-ampz = 2-aminopyrazine) from Aqueous Solution. ○
- 143 Ferro-ferri-holmquistite, $?\text{Li}_2(\text{Fe}_2+3\text{Fe}_3+2)\text{Si}_8\text{O}_{22}(\text{OH})_2$, Fe_2+Fe_3+ analogue of holmquistite, from the Iwagi islet, Ehime, Japan. **2022**, 34, 425-438 ○
- 142 Structure-bandgap tunability of metal halide perovskites: Synthesis, spectral, single crystal X-ray structural, BVS, CShM and Hirshfield surface analysis of piperidinium hexahalostannates(IV). **2022**, 134285 ○
- 141 Flux crystal growth of $\text{Ba}_2[(\text{UO}_2)_2\text{Ti}_2\text{O}_8]$: structures, spectroscopies and implications. ○
- 140 The crystal structure and luminescence properties of the first lithium oxonitridolithosilicate $\text{Li}_3\text{SiNO}_2:\text{Eu}^{2+}$. 1
- 139 $\text{KSb}(\text{BeF}_3)\text{F}_3$: Totally Fluorine Strategy Achieving Wide Bandgap and Large Birefringence. ○
- 138 Synthesis, structure and characterization of $\text{Pr}[\text{B}_5\text{O}_8(\text{OH})]\text{NO}_3 \cdot 2\text{H}_2\text{O}$. **2022**, 4, 100582 ○
- 137 Two Three-dimensional Fe(II) Frameworks Based on $\{\text{P}_4\text{Mo}_6\}$ Tetrameric Clusters Exhibiting Efficient Visible-light Photocatalytic Properties for the Degradation of Cr(VI) and Methylene Blue. ○
- 136 The missing MIL-101(Mn): geometrically guided synthesis and topologically correlated valence states. ○
- 135 $\text{A}_2\text{B}_6\text{O}_9\text{F}_2$ (A = NH_4 , K): new members of $\text{A}_2\text{B}_6\text{O}_9\text{F}_2$ family with deep-UV cutoff edges and moderate birefringence. **2022**, 58, 12369-12372 1
- 134 A Cyclen-Functionalized Cobalt-Substituted Sandwich-Type Tungstoarsenate with Versatility in Removal of Methylene Blue and Anti-ROS-Sensitive Tumor Cells. **2022**, 27, 6451 1

- 133 Synthesis and crystal structure of the first ternary tellurium borate TeB₄O₈. ○
- 132 Crystal structure, electric and microwave dielectric properties of La₂Mg(Mg_{1/3}Sb_{2/3})O₆ novel double-perovskite with non-stoichiometric 1:1 cationic ordering. **2022**, ○
- 131 Synthesis, Structure, and Magnetic Properties of an Fe₃₆ Dimethylarsinate Cluster: The Largest Ferric Wheel **2022**, 61, 17256-17267 ○
- 130 Incommensurate Modulation and Competing Ferroelectric/Antiferroelectric Modes in Tetragonal Tungsten Bronzes. ○
- 129 Preorganized Polyaromatic Soft Terdentate Hosts for the Capture of [Ln(μ₃-diketonate)₃] Guests in Solution. 1
- 128 Iron in Nepheline: Crystal Chemical Features and Petrological Applications. **2022**, 12, 1257 ○
- 127 Modulation of Charge Distribution in Cobalt-μ₃-Diimine Complexes toward Valence Tautomerism. 1
- 126 Bi₂CoO₂F₄-A Polar, Ferrimagnetic Aurivillius Oxide-Fluoride. ○
- 125 Mechanisms of Selenate Adsorption at the Imogolite-Water Interface. **2022**, 130444 ○
- 124 Li₂Ba₄Al₂Ta₂N₈O, the first barium nitridoaluminotantalate with BCT-zeolite type structure. ○
- 123 Comparative Study on the Magnetic and Transport Properties of B-Site Ordered and Disordered CaCu₃Fe₂O_s2O₁₂. **2022**, 61, 16929-16935 ○
- 122 Formation and structural characterization of the basic tin(II) fluoride, Sn₉F₁₃O(OH)₃ · 2H₂O, containing the unprecedented [Sn₄O(OH)₃]³⁺ cage-ion. ○
- 121 RE(OH)₂NO₃ (RE = Tb, Dy, Ho, and Er): Synthesis and Nonlinear Optical Properties of Water-Resistant Lanthanide Hydroxide Nitrates. ○
- 120 Improved microwave dielectric characteristics in CaHf_{1-x}Ti_xO₃ ceramics. ○
- 119 Binuclear, tetranuclear and hexadecanuclear thio-oxomolybdenum(V/IV) glycolates with selective adsorptions of gases. ○
- 118 A Keggin-type polyoxomolybdate-based crystalline material formed by hydrothermal transformation: photo/electro-catalytic properties and mechanism study. ○
- 117 Two new cubic perovskite oxides Ba₃CoSb₂O₉ and Ba₂SrCoSb₂O₉: Syntheses, crystal structures and magnetic properties. **2023**, 317, 123701 ○
- 116 (H₃dien)[Ni(NO₃)(C₂O₄)₂].2H₂O: Synthesis, crystal structure, catalytic activity and magnetic study. **2022**, 100969 ○

- 115 Li_{0.5}Na_{0.5}AlB₂O₄F₂: Fluoroaluminoborate with Aligned 1 [BO₂] Chain Induced by Unprecedented [AlO₃F₃] Species Features. 202353 1
- 114 Rare Earth Ion-Doped Y_{2.95}R_{0.05}MgAl₃SiO₁₂ (R = Yb, Y, Dy, Eu, Sm) Garnet-Type Microwave Ceramics for 5G Application. 2022, 12, 1608 0
- 113 Host-Guest Chemistry in Discrete Polyoxo-12-Palladate(II) Cubes [MO₈Pd₁₂L₈]n (M = ScIII, CoII, CuII, L = AsO₄ (M = CdII, HgII, L = PhAsO₃)) Structure, Magnetism, and Catalytic Hydrogenation. 0
- 112 Fabrication of high-efficiency dielectric patch antennas from temperature-stable Sr_{3-x}Ca_xV₂O₈ microwave dielectric ceramic. 2022, 0
- 111 Phase Transitions and Physical Properties of the Mixed Valence Iron Phosphate Fe₃(PO₃OH)₄(H₂O)₄. 2022, 15, 8059 0
- 110 Halide-sodalites: thermal behavior at low temperatures and local deviations from the average structure. 2022, 0
- 109 Structure Determination Feasibility of Three-Dimensional Electron Diffraction in Case of Limited Data. 2022, 14, 2355 0
- 108 Stabilization of potent Co(II)-based Lewis acids with weakly basic ligands. 0
- 107 Chemical reactivity profile of rare earth metal ions with flavonoids. From structural speciation to magneto-optical properties. 2023, 230, 116231 0
- 106 First ternary tungsten tellurate(IV) WTe₂O₇ with unique crystal structure type. 0
- 105 Highly anisotropic 1/3-magnetization plateau in a ferrimagnet Cs₂Cu₃(SeO₃)₄·2H₂O: topology of magnetic bonding necessary for magnetization plateau. 2022, 52, 118-127 0
- 104 Oxidation-induced phase transformations of hybrid tin bromide single crystals enable the occurrence of second-harmonic generation. 0
- 103 Effects of M cations on crystal structure and optical properties of MTe₃O₈ tellurites. 2023, 135, 107067 0
- 102 Crystal structure of sodium thiosulfate dihydrate and comparison to the pentahydrate. 2023, 79, 44-49 0
- 101 Electrochemical properties and crystal and electronic structure changes during charge/discharge of spinel type cathode-materials Mg_{1.33}V_{1.67}MnO₄ for magnesium secondary batteries. 2023, 928, 117064 1
- 100 Ferromagnetic and antiferromagnetic orders in low dimensional PbBiFe_{1-x}M_xO₄ (M = Mn and Co) solid solutions. 2023, 318, 123770 0
- 99 Synthesis and crystal structures of mono(2-hydroxyethyl)dithiocarbamate complexes of copper and indium. 2023, 1275, 134666 0
- 98 Synthesis, crystal structure and ¹⁹F NMR parameters modelling of CaTiF₆(H₂O)₂ yielding to a revision of the bond-valence parameters for the Ti⁴⁺/F⁻ ion pair. 2023, 319, 123793 0

- 97 Temperature-driven order-disorder structural transition in the oxygen sub-lattice and the complex superstructure of the high-temperature polymorph of $\text{CaSrZn}_2\text{Ga}_2\text{O}_7$. **2022**, 51, 18549-18561 ○
- 96 Mixed Valanced $\text{V}^{3+}, \text{V}^{2+}$ Phosphate $\text{Na}_7\text{V}_4(\text{PO}_4)_6$: A Structural Analogue of Mineral Yurmarinite. **2022**, 12, 1517 ○
- 95 Synthesis and Structure of a Copper-Based Functional Network for Efficient Organic Dye Adsorption. **2022**, 61, 19764-19772 ○
- 94 $\text{AeMg}_6\text{Ga}_6\text{S}_{16}$ (Ae = Ca, Sr, Ba): The First Double Alkaline-Earth Metal Chalcogenides with Excellent Performances. 2202147 1
- 93 Synthesis, structures and photoluminescence of uranyl polyoxometalate clusters based on trilacunary $[\text{TeW}_9\text{O}_{33}]^{8-}$ ○
- 92 Lanthanide-Anderson Polyoxometalates Frameworks: Efficient Sulfide Photooxidation. **2022**, 61, 20080-20086 1
- 91 From $\text{Ba}_3\text{Nb}_2\text{O}_2\text{F}_{12}(\text{H}_2\text{O})_2$ to $\text{Ba}_{0.5}\text{NbO}_2\text{F}_2(\text{H}_2\text{O})$: Achieving Balanced Nonlinear Optical Performance by O/F Ratio Regulation. **2022**, 61, 20709-20715 ○
- 90 Atomic and Electronic Structures of the Interfaces between Perovskite $\text{La}_{0.75}\text{Sr}_{0.25}\text{MnO}_3$ and Brownmillerite $\text{SrCoO}_{2.5}$. 2200399 ○
- 89 Synthesis, crystal structure and alkaline pathways simulation of $\text{K}_3\text{Na}(\text{Mo}_{0.67}\text{Cr}_{0.33}\text{O}_4)_2$ adopting glaserite structure-type. ○
- 88 One Carbon Ring Expansion of Bipyrrrole to Bipyridine Enables Access to a Extended, Non-innocent, Corrole-like Ligand. ○
- 87 The Crystal Structure and Crystal Chemistry of Mineral-like $\text{Cd}_5(\text{VO}_4)_2(\text{OH})_4$, a Novel Isomorph of Arsenoclasite and Gatehouseite. **2022**, 12, 1601 ○
- 86 Bifunctionalized Polyoxotungstates: Dilacunary Keggin Clusters Incorporating Fe^{III} and Organoarsonate Constituents. ○
- 85 Cr^{2+} solid solution in UO_2 evidenced by advanced spectroscopy. **2022**, 5, ○
- 84 Giant Polyoxoniobate-Based Inorganic Molecular Tweezers: Metal Recognitions, Ion-Exchange Interactions and Mechanism Studies. ○
- 83 Synthesis and Study of Photothermal Properties of a Mixed-Valence Nanocluster $\text{Cu}^{\text{I}}/\text{Cu}^{\text{II}}$ with Strong near-Infrared Optical Absorption Supported by 4-tert-Butylcalix[4]arene Ligand. ○
- 82 Family of Lanthanide-Manganese Heterometallic Metallacrowns: Syntheses, Structures, Magnetic Exchange, and Magnetocaloric Effects. ○
- 81 dl-Alanine Covalently Bonded Giant Arsenotungstate with Rapid Photochromic and Decent Proton Conduction Properties. **2022**, 61, 20222-20226 ○
- 80 Suppression of Fe-Cation Migration by Indium Substitution in $\text{LiFe}_2\text{In}_x\text{SbO}_6$ Cathode Materials. ○

- 79 LiNaB₆O₉F₂: A Promising UV NLO Crystal Having Fluorine-Directed Optimal Performances and Double Interpenetrating 3 [B₆O₉F₂] Networks. 2202195 1
- 78 Giant Polyoxoniobate-Based Inorganic Molecular Tweezers: Metal Recognitions, Ion-Exchange Interactions and Mechanism Studies. 0
- 77 High Proton Conductivity in Ba₂ScAlO₅ Enabled by Octahedral and Intrinsically Oxygen-Deficient Layers. 2206777 0
- 76 High-Pressure Synthesized Perovskite CdMnO₃ with C-Type Antiferromagnetic Spin Configuration. 2022, 61, 21011-21015 0
- 75 Four Polyoxometalate-Viologen Discoloration Materials for UV Probing, Inkless and Erasable Printing and Visual Detection of Hg²⁺. 0
- 74 Structural Characterization of Low-Sr-Doped Hydroxyapatite Obtained by Solid-State Synthesis. 2023, 13, 117 0
- 73 Influence of MnO and ZnO on molybdate crystallization in borosilicate glass. 2023, 154273 0
- 72 Polyoxovanadate-based metal-organic frameworks consisted of open vanadium sites for selective catalytic oxidation of sulfides. 0
- 71 Expanding gaufroyite family to Sr₂MBi(REEO)₃(BO₃)₄ (M = Ca, Sr, Ba; REE = Y, Eu) borates with large second harmonic generation responses. 2023, 0
- 70 Hepta-nuclear Zinc Tungstophosphate Nano-cluster [Zn₇(H₂O)₂(OH)₂P₂W₂₅O₉₄]₁₆ Synthesis, Characterization and its Catalytic Application in Alcohol Oxidation. 2023, 8, 0
- 69 Polyoxometalate-Viologen Thermochromic Hybrids for Organic Amine Detectors and Memristors with Temperature-Regulating Resistance Switching Characteristics. 0
- 68 (Na,Li)₃(Cl,OH)[Cu₃OAl(PO₄)₃]: a first salt-inclusion aluminophosphate oxocuprate with a new type of crystal structure. 2023, 79, 0
- 67 Crystal structure of barium dinickel(II) iron(III) tris[orthophosphate(V)], BaNi₂Fe(PO₄)₃. 2023, 79, 0
- 66 Lattice evolution and microwave dielectric properties of La-doped yttrium aluminum garnet ceramics. 0
- 65 Construction of Sb-capped Dawson-type POM derivatives for high-performance asymmetric supercapacitors. 2023, 442, 141823 0
- 64 New Pyrochlore-like Oxyfluorides Na₂xSn_xM₂O₅F₂ (M = Nb⁵⁺ or Ta⁵⁺ and 1 ≤ x ≤ 6) as Potential Candidates for Overall Water Splitting Photocatalysis. 0
- 63 Study on the Automatic Identification of ABX₃ Perovskite Crystal Structure Based on the Bond-Valence Vector Sum. 2023, 16, 334 2
- 62 Khurayyimite Ca₇Zn₄(Si₂O₇)₂(OH)₁₀·4H₂O: a mineral with unusual loop-branched sechser single chains. 0

- 61 Concerning the incorporation of potassium in the crystal structure of combeite ($\text{Na}_2\text{Ca}_2\text{Si}_3\text{O}_9$). ○
- 60 An Effective Pathway to Design and Synthesize UV Birefringent Crystals via Rational Assemble of $\text{E}[\text{CO}_3]_2$ and $[\text{NO}_3]$ Triangles. ○
- 59 Heteroatom-Modulated Assembly of Hexalanthanoid-Containing Polyoxometalate-Based Coordination Networks. **2023**, 62, 1466-1475 ○
- 58 Phase Composition, Crystal Structure and Microwave Dielectric Properties of Nb-Doped Yttrium Aluminum Garnet Ceramics. 1080, 123-129 ○
- 57 Polar Bismuth Selenite Iodate Oxide BiSeIO_6 with Three Types of Lone Pair Cations in One Structure. ○
- 56 Noncentrosymmetric $\text{Cs}_2\text{I}_4\text{O}_{11}$ Obtained from IO_4 Polyhedral Rearrangements in the Centrosymmetric Phase. ○
- 55 Structural stability, optical and thermoelectric properties of the layered RbSn_2Br_5 halide synthesized using mechanochemistry. ○
- 54 The weak ligand field in lanthanoid(III) hydrogensulfate-sulfates. **2023**, 649, ○
- 53 Triazole based Schiff bases and their oxovanadium(IV) complexes: Synthesis, characterization, antibacterial assay, and computational assessments. **2023**, 9, e15239 ○
- 52 Synthesis, Characterization, and Magnetocaloric Properties of Double Perovskite BaSrNiMoO_6 for Magnetic Refrigeration Applications. ○
- 51 Computational insights into ionic conductivity of transition metal electrode materials for metal-ion batteries - A review. **2023**, 393, 116170 ○
- 50 Elucidating the structure-nonlinear optical property relationship of $\text{Te}_2\text{O}_4(\text{OH})_2$. **2023**, 34, 101075 ○
- 49 Two polyoxometalates based on $\{\text{P}_2\text{Mo}_5\}$ catalysts: synthesis, characterization, and photocatalytic degradation of RhB. **2023**, 377, 121483 ○
- 48 Crystalline and vitreous $\text{Na}_{3.89}\text{Ca}_{0.67}\text{Al}_{0.23}\text{Ti}_{0.77}(\text{PO}_4)_3$: Synthesis, crystal structure, vibrational and UV-visible spectra. **2023**, 1281, 135129 ○
- 47 Synthesis and characterization of $\text{AsO}[(\text{W},\text{Mo})\text{O}_3]_{13}$, a new (6)-intergrowth tungsten bronze (ITB). **2023**, 322, 123987 ○
- 46 Experimental and theoretical study of novel germanium tungstates compounds $\text{Ge}_x\text{W}_{1-x}\text{O}_3$ ($x \sim 1/4, 1/2$) and $\text{Ge}_{1-x}\text{WO}_4$ ($x \sim 0.2$). **2023**, 1285, 135486 ○
- 45 3D host-guest material of $\{\text{Ag}(\text{pz})\}$ modified $\{\text{BW}_{12}\text{O}_{40}\}$ with supercapacitor, photocatalytic dye degradation and H_2O_2 sensing performances. **2023**, 323, 124038 ○
- 44 Crystal Structure, Characterization, and Luminescence Properties of Mn^{4+} -Doped $\text{K}_3\text{Nb}_2\text{O}_4\text{F}_5$. **2023**, 26, ○

- 43 Synthesis and Full Characterization of One Organometallic Polyoxometalate-Based Copper(I)-Alkene Complex. **2023**, 62, 1377-1382 ○
- 42 Direct calculation of MnO₆ octahedral distortion in the spinel LiMn₂O₄ by the Reverse Monte Carlo method. **2023**, 16, 015005 ○
- 41 Fluorination-Induced Asymmetry in Vacancy-Ordered Brownmillerite: Route to Multiferroic Behavior. **2023**, 35, 991-998 ○
- 40 FeIII-substituted brucite: Hydrothermal synthesis from (Mg_{0.8}FeII_{0.2})-brucite, crystal chemistry and relevance to the alteration of ultramafic rocks. **2023**, 234, 106845 ○
- 39 A bi-As-capped and tetra-V-substituted arsenomolybdate: synthesis, structure, capacitive and electrocatalytic properties. ○
- 38 Crystal Structure and Thermal Expansion of a Solid Solution of Sr_{1.5}Ba_{1.5}Bi₂(BO₃)₄. **2022**, 48, 622-629 ○
- 37 Versatile Ca₂LnSbO₆:Eu³⁺/Mn⁴⁺ (Ln = La, Y, Gd, and Lu) phosphors for temperature sensing and plant growth LED. **2023**, 106, 3568-3583 ○
- 36 B-site mixed cationic tetrahedral layer confined the concentration and mobility of interstitial oxygen in mellite family. **2023**, 11, 5615-5626 ○
- 35 Effect for the electronic configurations of LuVO₄ induced by D_{4h} crystal-field-splitting discovered in the systematic DFT investigation on photocatalysis capacities of vanadates. **2023**, 29, 101395 ○
- 34 A Nanoenzyme Constructed from Manganese and Strandberg-Type Phosphomolybdate with Versatility in Antioxidant and Modulating Conformation of Aβ Protein Misfolding Aggregates In Vitro. **2023**, 24, 4317 ○
- 33 A new rare-earth orthoborate Ba₂CdSm₂(BO₃)₄: Synthesis, crystal structure, vibrational spectra, and luminescent properties. **2023**, 321, 123934 ○
- 32 Alignment of Bshaped Basic Building Units to Construct One New KMoO₃(IO₃) Polar Polymorph. **2023**, 62, 3896-3903 ○
- 31 A rigorous theory of valence. **2023**, 34, 361-389 ○
- 30 Ancillary Ligand Coordination Directed Modes of Aggregation in Mixed-Valence Tetranuclear Cobalt Complexes: Synthesis, Structure, Field-Induced SIM Behavior, and Theoretical Insights. **2023**, 23, 2169-2181 ○
- 29 High-Pressure Synthesis of a Novel Quadruple Perovskite Oxide AgCu₃Cr₄O₁₂. **2023**, ○
- 28 Structure and optical property evolution in PbM(PO₄)X (M = Zn, Sn; X = halogen): SHG effect and birefringence. **2023**, 10, 2268-2275 ○
- 27 Single Crystal Growth of Ilmenite-Type MnVO₃ by Solid-State Recrystallization. **2023**, 23, 2295-2300 ○
- 26 Ce-Mediated Molecular Tailoring on an Unprecedented Gigantic Polyoxometalate {Mo₁₃₂} into Half-Closed Product {Ce₁₁Mo₉₆} for Achieving High Proton Conduction. ○

- 25 Decoration of the $[\text{Nb}_6\text{O}_{19}]_8$ cluster shell with six Cu^{2+} -centred complexes generates the $[(\text{Cu}(\text{cyclen}))_6\text{Nb}_6\text{O}_{19}]^{4+}$ moiety: room temperature synthesis, crystal structure and selected properties. **2023**, 78, 157-163 ○
- 24 Insights into the Fe^{3+} Doping Effects on the Structure and Electron Distribution of Cr_2O_3 Nanoparticles. **2023**, 13, 980 ○
- 23 Understanding of the structural chemistry in the uranium oxo-tellurium system under HT/HP conditions. 11, ○
- 22 Polytypism of $\text{Ln}(\text{SeO}_3)(\text{HSeO}_3)\cdot 2\text{H}_2\text{O}$ compounds: synthesis and crystal structure of the first monoclinic modification of $\text{Nd}(\text{SeO}_3)(\text{HSeO}_3)\cdot 2\text{H}_2\text{O}$, DFT calculations and order/disorder description. **2023**, 79, 176-183 ○
- 21 Anti-thermal quenching phosphors based on the new phosphate host $\text{Ca}_{3.6}\text{In}_{3.6}(\text{PO}_4)_6$. ○
- 20 Nature Inspired Manganese(III)-Calcium Complexes: Towards Synthetic Models for the WOC of PSII. **2023**, 5, 703-712 ○
- 19 A new Eu^{3+} -activated milarite-type potassium magnesium zinc silicate red-emitting phosphor for forensic applications. **2023**, 34, ○
- 18 Expanding transition metal borate chemistry to include main group elements: high-pressure synthesis and structural relation of MgB_4O_7 . **2023**, ○
- 17 A DFT study of the catalytic ODH of n-hexane over a cluster model of vanadium oxide. **2023**, 541, 113078 ○
- 16 Influence of Cu insertion on the thermoelectric properties of the quaternary cluster compounds $\text{Cu}_3\text{M}_2\text{Mo}_{15}\text{Se}_{19}$ ($\text{M} = \text{In}, \text{K}$) and $\text{Cu}_4\text{In}_2\text{Mo}_{15}\text{Se}_{19}$. ○
- 15 Oxygen Vacancy Migration in $\text{Ca}_2\text{Ga}_{2+x}\text{Ge}_{1-x}\text{O}_{7-0.5x}$ Melilite. **2023**, 6, 3986-3995 ○
- 14 Octahedral Distortion and Displacement-Type Ferroelectricity with Switchable Photovoltaic Effect in a $3d^3$ -Electron Perovskite System. **2023**, 130, ○
- 13 Efficient Electron Transfer from an Electron-Reservoir Polyoxometalate to Dual-Metal-Site Metal-Organic Frameworks for Highly Efficient Electroreduction of Nitrogen. ○
- 12 Mechanism of Al coordination change in alkaline-earth aluminosilicate glasses: An application of bond valence model. **2023**, ○
- 11 Magnetic clusters and ferromagnetic spin glass in the novel hexagonal perovskite $12\text{R}-\text{Ba}_4\text{SbMn}_3\text{O}_{12}$. **2023**, 13, 11234-11240 ○
- 10 Novel Red-Emitting $\text{BaBi}_2\text{B}_4\text{O}_{10}:\text{Eu}^{3+}$ Phosphors: Synthesis, Crystal Structure and Luminescence. **2023**, 15, 918 ○
- 9 $\beta\text{-La}(\text{IO}_3)_3$: A Polar Iodate with High Thermal Stability and a Large Second-Harmonic-Generation Response Obtained by a Supercritical Hydrothermal Method. ○
- 8 Mixed Noble Metal-Oxo Clusters: Platinum(IV)-Gold(III) Oxoanion $[\text{PtIV}_2\text{AuIII}_3\text{O}_6((\text{CH}_3)_2\text{AsO}_2)_6]^-$. ○

- 7 A new 28-Ni-added poly(polyoxometalate) with B atoms: synthesis, structure and catalysis for Knoevenagel condensation. ○
- 6 Investigation on Electrical Transport and Dielectric Relaxation Mechanism in TbCrO₃ Perovskite Orthochromite. **2023**, 170181 ○
- 5 Parallelogram 3d-4f-5d heterometallic clusters based on trilacunary tungstoantimonates with excellent proton conductivity. **2023**, 108486 ○
- 4 Experimental and theoretical magnetostructural studies on discrete heterometallic cyanide-bridged dinuclear Fe^{III}Mn^{II} and tetranuclear Fe^{III}₂Cu^{II}₂ complexes bearing tripodal pyrazolyl borate and tetradentate phenolate-based ligands. ○
- 3 Hydrogen, the Principal Agent of Structural and Chemical Diversity in Minerals. **2023**, 327-359 ○
- 2 Phosphates with Two Types of Isolated PO₄ Groups: Noncentrosymmetric Na₆Sr₂Bi₃(PO₄)(P₂O₇)₄ and Centrosymmetric Cs₂CaBi₂(PO₄)₂(P₂O₇). ○
- 1 A-Site Columnar-Ordered Perovskite CaZnV₂O₆ as a Pauli-Paramagnetic Metal. ○