

# CITATION REPORT

List of articles citing

## A Rietveld-Analysis Programm RIETAN-98 and its Applications to Zeolites

DOI: 10.4028/www.scientific.net/msf.321-324.198  
Materials Science Forum, 2000, 321-324, 198-205.

**Source:** <https://exaly.com/paper-pdf/31886860/citation-report.pdf>

**Version:** 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
1581	Novel techniques of neutron powder diffraction and their applications to superconducting oxides. <b>2000</b> , 335, 239-244		8
1580	Change in the magnetic state of antiferromagnetic La(Fe <sub>0.88</sub> Al <sub>0.12</sub> ) <sub>13</sub> by hydrogenation. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 316, 70-74	5.7	34
1579	Crystal structure of LaHo <sub>0.75</sub> Sr <sub>0.25</sub> CuO <sub>3.89</sub> : evidence of oxygen vacancies in the fluorite-like slab. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 319, L1-L4	5.7	0
1578	Structural Parameters of LaCoO <sub>3</sub> near the Spin State Transition. <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 3296-3299	1.5	20
1577	Neutron Scattering Study on the Crystal Structure, Magnetic Ordering, and Crystalline Electric Field Excitations in an Uranium Metallic Compound U <sub>3</sub> Pd <sub>20</sub> Si <sub>6</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 2425-2436	1.5	13
1576	Novel Frustrated Spin Chain System in KCu <sub>5</sub> V <sub>3</sub> O <sub>13</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 3209-3212	1.5	3
1575	Crystal structure of high-T <sub>c</sub> related NdBaCuO <sub>2</sub> BO <sub>3</sub> : TEM and neutron powder diffraction study. <b>2001</b> , 355, 119-125		4
1574	Crystal Structure and Magnetic Properties of 6H-Perovskite Ba <sub>3</sub> NdRu <sub>2</sub> O <sub>9</sub> . <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 161, 113-120	3.3	46
1573	Magnetic Properties of La <sub>1-x</sub> Pr <sub>x</sub> CrO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 162, 84-89	3.3	90
1572	Synthesis and Characterization of New Strontium Iron(II) Phosphates, SrFe <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> and Sr <sub>9</sub> Fe <sub>1.5</sub> (PO <sub>4</sub> ) <sub>7</sub> . <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 162, 113-121	3.3	34
1571	Enhanced specific heat jump in electron-doped CaMnO <sub>3</sub> : Spin ordering driven by charge separation. <b>2001</b> , 64,		29
1570	Synthesis and crystal structure of Ca <sub>9</sub> Cu <sub>1.5</sub> (PO <sub>4</sub> ) <sub>7</sub> and reinvestigation of Ca <sub>9.5</sub> Cu(PO <sub>4</sub> ) <sub>7</sub> . <b>2001</b> , 36, 1863-1871		32
1569	Polar-to-centrosymmetric phase transition in Ca <sub>1.5</sub> Sr <sub>1.5</sub> (VO <sub>4</sub> ) <sub>2</sub> and the polar phase structure. <b>2001</b> , 36, 1873-1880		9
1568	Magnetic properties of ordered perovskites Ba <sub>2</sub> LnTaO <sub>6</sub> (Ln = Y, lanthanides). <b>2001</b> , 13, 4191-4202		41
1567	Systematic Study on Crystal Structures in Tetragonal RB <sub>2</sub> C <sub>2</sub> (R=Rare Earth) Compounds. <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 3291-3295	1.5	49
1566	Structural and magnetic phase transitions of AV <sub>6</sub> O <sub>11</sub> (A = Na, Sr, and Pb). <b>2001</b> , 13, 9311-9333		16
1565	Structural Change at Metal-Insulator Transition of Tb <sub>2</sub> Ba <sub>2</sub> Co <sub>4</sub> O <sub>11</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2001</b> , 70, 3577-3580	1.5	65

1564	Enhanced paramagnetism of the 4d itinerant electrons in the rhodium oxide perovskite SrRhO <sub>3</sub> . <b>2001</b> , 64,		45
1563	Structural and superconducting properties of MgB <sub>2</sub> xB <sub>1-x</sub> . <b>2002</b> , 65,		23
1562	Preliminary experiment for residual stress analysis at the advanced photon source. <b>2002</b> , 73, 1390-1392		1
1561	Phase separation and ferromagnetic transition in B-site substituted Nd <sub>1/2</sub> Ca <sub>1/2</sub> MnO <sub>3</sub> . <b>2002</b> , 65,		35
1560	Structural Transition Induced by Charge-Transfer in RbMn[Fe(CN) <sub>6</sub> ] Investigation by Synchrotron-Radiation X-ray Powder Analysis <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 2078-2081	1.5	55
1559	Neutron investigation of Ru-doped Nd <sub>1/2</sub> Ca <sub>1/2</sub> MnO <sub>3</sub> Comparison with Cr-doped Nd <sub>1/2</sub> Ca <sub>1/2</sub> MnO <sub>3</sub> <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 1626-1629	1.5	9
1558	Pressure effects on the superconductivity and magnetization in RuSr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> . <b>2002</b> , 14, 10763-10766		1
1557	Low-Temperature Structure of [Fe(ptz) <sub>6</sub> ](BF <sub>4</sub> ) <sub>2</sub> Determination by Synchrotron-Radiation X-ray Powder Study <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 1015-1018	1.5	23
1556	Correlation between Magnetic Property and Cation Distribution in Z-type Hexagonal Barium-Ferrite (Ba <sub>3</sub> Co <sub>2-x</sub> Fe <sub>24+x</sub> O <sub>41</sub> ) by Neutron Diffraction. <b>2002</b> , 746, 1		1
1555	Structural Analysis of [Fe(ptz) <sub>6</sub> ](BF <sub>4</sub> ) <sub>2</sub> under Photo-Excitation Condensation of Photo-Excited High-Spin Ions <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 2609-2612	1.5	27
1554	Magnetic properties of layered oxysulfide Sr <sub>2</sub> Cu <sub>2</sub> (Co,Cu) <sub>2</sub> O <sub>2</sub> S <sub>2</sub> with Cu-doped CoO <sub>2</sub> square planes. <b>2002</b> , 91, 8861		10
1553	Positional and Orientational Disorder in a Solid Solution of Sr <sub>9+x</sub> Ni <sub>1.5-x</sub> (PO <sub>4</sub> ) <sub>7</sub> (x = 0.3). <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4464-4472	9.6	27
1552	Chemical and Structural Properties of a Whitlockite-like Phosphate, Ca <sub>9</sub> FeD(PO <sub>4</sub> ) <sub>7</sub> . <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3937-3945	9.6	11
1551	Structural and Optical Properties of BaMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> +Phosphor. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 5045-5052	9.6	198
1550	Polar and Centrosymmetric Phases in Solid Solutions Ca <sub>3-x</sub> Sr <sub>x</sub> (PO <sub>4</sub> ) <sub>2</sub> (0 ≤ x ≤ 16/7). <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3197-3205	9.6	40
1549	High-Pressure Structural Analysis of Fe <sub>3</sub> O <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 3092-3093	1.5	12
1548	Characterization of a New Potassium Titanate, KTiO <sub>2</sub> (OH) Synthesized via Hydrothermal Method. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 419-424	9.6	44
1547	Pb- and Ti-isotope Effects in Pb TiO <sub>3</sub> by Heat Capacity Measurement and Neutron Powder Diffraction. <b>2002</b> , 39, 395-398		1

1546	Synthesis and crystal structure of Sr(2)AlH(7): a new structural type of alkaline earth aluminum hydride. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 6547-9	5.1	49
1545	High-pressure structural analysis of (Nd,Sm)1/2Sr1/2MnO3: Origin for pressure-induced charge ordering. <b>2002</b> , 65,		9
1544	Strontium phosphates with $\text{Ca}_3(\text{PO}_4)_2$ -type structures: $\text{Sr}_9\text{NiLi}(\text{PO}_4)_7$ , $\text{Sr}_{9.04}\text{Ni}_{1.02}\text{Na}_{0.88}(\text{PO}_4)_7$ , and $\text{Sr}_{9.08}\text{Ni}_{1.04}\text{K}_{0.76}(\text{PO}_4)_7$ . <b>2002</b> , 12, 3803-3808		8
1543	Structures and Magnetic Properties of Ternary Lithium Oxides $\text{LiRO}_2$ (R = Rare Earths). <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3245-3251	9.6	21
1542	MnO6 distortion and spin ordering in $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$ ( $x=0.55$ and $0.65$ ). <b>2002</b> , 66,		13
1541	Neutron diffraction study on the Heusler compound $\text{Co}_{1.50}\text{TiSn}$ and its nitrogenation products. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 347, 86-90	5.7	12
1540	Neutron Scattering Study of the Crystal and Magnetic Structures in Itinerant-5fAntiferromagnets $\text{UNiGa}_5$ and $\text{UPtGa}_5$ . <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 725-728	1.5	44
1539	Synchrotron X-ray and TOF neutron powder diffraction study of a lyonsite-type oxide $\text{Co}_{3.6}\text{Fe}_{3.6}(\text{VO}_4)_6$ . <b>2002</b> , 4, 515-522		10
1538	Synthesis and X-ray Powder Diffraction Study of New Phosphates in the $\text{Cu}_3(\text{PO}_4)_2\text{Br}_3(\text{PO}_4)_2$ System: $\text{Sr}_{1.9}\text{Cu}_{4.1}(\text{PO}_4)_4$ , $\text{Sr}_3\text{Cu}_3(\text{PO}_4)_4$ , $\text{Sr}_2\text{Cu}(\text{PO}_4)_2$ , and $\text{Sr}_{9.1}\text{Cu}_{1.4}(\text{PO}_4)_7$ . <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 163, 121-131	3.3	40
1537	Structural and Thermal Characteristics of Nickel Dioxide Derived from $\text{LiNiO}_2$ . <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 163, 340-349	3.3	30
1536	High-Temperature Synchrotron X-Ray Powder Diffraction Study of the Orthorhombic $\rightarrow$ Tetragonal Phase Transition in $\text{La}_{0.63}(\text{Ti}_{0.92}\text{Nb}_{0.08})\text{O}_3$ . <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 164, 51-59	3.3	32
1535	Magnetic Properties of $\text{LnMnO}_3$ (Ln=Ho, Er, Tm, Yb, and Lu). <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 165, 131-135	3.3	41
1534	High-Temperature Phase Transition in the Whitlockite-Type Phosphate $\text{Ca}_9\text{In}(\text{PO}_4)_7$ . <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 165, 278-288	3.3	60
1533	Crystal Structures and Magnetic Properties of 6H-Perovskites $\text{Ba}_3\text{MRu}_2\text{O}_9$ (M=Y, In, La, Sm, Eu, and Lu). <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 165, 317-323	3.3	57
1532	Structure and Electrical Transport Property of a Silicopnictide $\text{ZrCuSiP}$ . <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 165, 372-374	3.3	7
1531	Crystal Structure of a Lithium Ion-Conducting Perovskite $\text{La}_{2/3-x}\text{Li}_x\text{TiO}_3$ ( $x=0.05$ ). <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 166, 67-72	3.3	109
1530	Synthesis of New Lithium Ionic Conductor Thio-LISICON $\rightarrow$ Lithium Silicon Sulfides System. <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 168, 140-148	3.3	160
1529	Whitlockite-Related Phosphates $\text{Sr}_9\text{A}(\text{PO}_4)_7$ (A=Sc, Cr, Fe, Ga, and In): Structure Refinement of $\text{Sr}_9\text{In}(\text{PO}_4)_7$ with Synchrotron X-Ray Powder Diffraction Data. <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 168, 237-244	3.3	66

1528	Preparation of iron phosphate cathode material of $\text{Li}_3\text{Fe}_2(\text{PO}_4)_3$ by hydrothermal reaction and thermal decomposition processes. <b>2002</b> , 152-153, 247-251	31
1527	Structure of the thio-LISICON, $\text{Li}_4\text{GeS}_4$ . <b>2002</b> , 154-155, 789-794	62
1526	Magnetization and specific heat of a ferromagnetic zigzag spin chain compound $\text{LaCrOS}_2$ . <b>2002</b> , 122, 661-664	10
1525	Charge disproportionation and magnetic order of Fe in $\text{LaSr}_3\text{Fe}_3\text{O}_{10}$ . <b>2002</b> , 123, 107-111	8
1524	The first observation of a pressure-induced phase transition and compression behavior of kalicinite ( $\text{KHCO}_3$ ) at room temperature. <b>2002</b> , 123, 371-374	10
1523	Crystal Structure of $\text{Lu}_4\text{Si}_2\text{O}_7\text{N}_2$ Analyzed by the Rietveld Method Using the Time-of-Flight Neutron Powder Diffraction Pattern. <b>2002</b> , 85, 2072-2077	18
1522	Nickel dioxide polymorphs as lithium insertion electrodes. <b>2002</b> , 47, 2697-2705	7
1521	Simultaneous metal-insulator and spin-state transitions in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{CoO}_3$ . <b>2002</b> , 66,	125
1520	Calorimetric and structural studies of $\text{La}_{1-x}\text{Y}_x\text{AlO}_3$ and $\text{Y}_{1-x}\text{Lu}_x\text{AlO}_3$ crystals. <b>2002</b> , 69, 813-819	9
1519	The Mössbauer Study of $\text{LaSr}_3\text{Fe}_3\text{O}_{10}$ with a Triple Layer of $\text{FeO}_6$ Octahedra. <b>2002</b> , 141/142, 199-205	1
1518	Crystal structure and disorder of the fast oxide-ion conductor cubic $\text{Bi}_2\text{O}_3$ . <b>2003</b> , 378, 395-399	123
1517	Conduction path and disorder in the fast oxide-ion conductor $(\text{La}_{0.8}\text{Sr}_{0.2})(\text{Ga}_{0.8}\text{Mg}_{0.15}\text{Co}_{0.05})\text{O}_{2.8}$ . <b>2003</b> , 380, 391-396	83
1516	X-ray and neutron diffraction studies on iron-substituted Z-type hexagonal barium ferrite: $\text{Ba}_3\text{Co}_2\text{Fe}_{24+x}\text{O}_{41}$ ( $x=0\text{--}0.6$ ). <b>2003</b> , 262, 248-257	57
1515	High-pressure synthesis of a new calcium thioborate, $\text{CaB}_2\text{S}_4$ . <b>2003</b> , 38, 33-39	9
1514	Synthesis and characterization of pyrochlore-type solid solutions $\text{Y}_2\text{LaxRu}_2\text{O}_7$ . <b>2003</b> , 38, 657-662	2
1513	Preparation of chalcopyrite-type $\text{CuInSe}_2$ by non-heating process. <b>2003</b> , 431-432, 11-15	38
1512	Magnetic properties of ternary sodium oxides $\text{NaLnO}_2$ ( $\text{Ln}=\text{rare earths}$ ). <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 176, 266-272	3-3 25
1511	High-temperature neutron powder diffraction study of the structural phase transition between $\beta$ and $\alpha$ phases in tricalcium phosphate $\text{Ca}_3(\text{PO}_4)_2$ . <b>2003</b> , 372, 779-783	48

1510	High-temperature neutron powder diffraction study of cerium dioxide CeO <sub>2</sub> up to 1770 K. <b>2003</b> , 372, 784-787		29
1509	Al substitution effects to the magnetic properties of the compounds in the SmBe system. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 171, 339-344	3.3	4
1508	Structure and magnetism of Eu <sub>1-x</sub> Dy <sub>x</sub> TiO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 171, 345-348	3.3	8
1507	Structural disorder along the lithium diffusion pathway in cubically stabilized lithium manganese spinel: I. Synchrotron X-ray studies. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 174, 167-174	3.3	11
1506	New ferromagnets of Sr <sub>8</sub> ARE <sub>3</sub> Cu <sub>4</sub> O <sub>24</sub> (A=Sr, Ca) with an ordered perovskite structure. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 175, 366-371	3.3	19
1505	Reaction between cerium trifluoride and elemental fluorine. <b>2003</b> , 120, 111-116		5
1504	Lithium iron thio-phosphate: a new 3 V sulfide cathode. <b>2003</b> , 159, 257-263		9
1503	Crystal structure and cathode performance dependence on oxygen content of LiMn <sub>1.5</sub> Ni <sub>0.5</sub> O <sub>4</sub> as a cathode material for secondary lithium batteries. <b>2003</b> , 119-121, 125-129		148
1502	Relation between crystal structures, electronic structures, and electrode performances of LiMn <sub>2-x</sub> M <sub>x</sub> O <sub>4</sub> (M = Ni, Zn) as a cathode active material for 4V secondary Li batteries. <b>2003</b> , 119-121, 733-737		28
1501	Lanthanoid substitution in Sr <sub>2</sub> YCu <sub>2</sub> FeO <sub>6+x</sub> system. <b>2003</b> , 388-389, 375-376		3
1500	K <sup>+</sup> ion distribution in zeolite ZK-48 with various Si/Al ratios and the contribution of K <sup>+</sup> ions to K cluster formation. <b>2003</b> , 57, 249-261		20
1499	Superconductivity in two-dimensional CoO <sub>2</sub> layers. <b>2003</b> , 422, 53-5		1588
1498	Atomic ordering in FeSr <sub>2</sub> LnCu <sub>2</sub> O <sub>6+x</sub> system (Ln=Nd, Y and Er). <b>2003</b> , 400, 43-52		24
1497	Doping effects of Ru in L <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> (L=La, Pr, Nd, Sm, and Eu). <b>2003</b> , 67,		31
1496	Ground State Properties of the A-site Ordered Manganites, RBaMn <sub>2</sub> O <sub>6</sub> (R= La, Pr and Nd). <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 3237-3242	1.5	75
1495	Doping-Dependent Magnetic Structure of Tb <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 193-194	1.5	1
1494	High-Pressure Structural Analysis of Mn <sub>3</sub> O <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 765-766	1.5	13
1493	Diffuse scattering due to Geometrical Frustration in Mn <sub>3</sub> O <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 458-459	1.5	11

- <sup>1492</sup> Valence and spin state of Co and Ni ions and their relation to metallicity and ferromagnetism in LaCo<sub>0.5</sub>Ni<sub>0.5</sub>O<sub>3</sub>. **2003**, 68, 31
- <sup>1491</sup> Neutron Diffraction Study on Lanthanum Gallate Perovskite Compound Series. *Chemistry of Materials*, **2003**, 15, 3468-3473 9.6 26
- <sup>1490</sup> Ferroelectric and Ionic-Conductive Properties of Nonlinear-Optical Vanadate, Ca<sub>9</sub>Bi(VO<sub>4</sub>)<sub>7</sub>. *Chemistry of Materials*, **2003**, 15, 3003-3010 9.6 53
- <sup>1489</sup> Particle-size effect on the III-IV phase transition in CsZnPO<sub>4</sub>. **2003**, 68, 8
- <sup>1488</sup> Kinetics and Thermodynamics of the Degree of Order of the B Cations in Double-Perovskite Sr<sub>2</sub>FeMoO<sub>6</sub>. *Chemistry of Materials*, **2003**, 15, 4494-4497 9.6 55
- <sup>1487</sup> Structure, magnetism and transport of La<sub>2</sub>NiRuO<sub>6</sub>. *Journal of Alloys and Compounds*, **2003**, 348, 236-240 5.7 13
- <sup>1486</sup> Structural investigation of hydrogen solubility in YyR<sub>1-x</sub> alloys (R=Tb and Gd). *Journal of Alloys and Compounds*, **2003**, 356-357, 105-108 5.7 2
- <sup>1485</sup> Power factors of Ca<sub>3</sub>Co<sub>2</sub>O<sub>6</sub> and Ca<sub>3</sub>Co<sub>2</sub>O<sub>6</sub>-based solid solutions. *Journal of Alloys and Compounds*, **2003**, 358, 210-215 5.7 41
- <sup>1484</sup> Phase relations and hydrogenation behavior of Sr(Al<sub>1-x</sub>Mg<sub>x</sub>)<sub>2</sub>. *Journal of Alloys and Compounds*, **2003**, 360, 143-150 5.7 9
- <sup>1483</sup> Large orbital magnetic moment and its quenching in the itinerant uranium intermetallic compounds UTGa<sub>5</sub>(T=Ni,Pd,Pt). **2003**, 68, 57
- <sup>1482</sup> Fluorescence Spectra for the Microcrystals and Thin Films of trans,trans,trans-1,6-Diphenyl-1,3,5-hexatrienes. **2003**, 107, 3376-3383 39
- <sup>1481</sup> . **2003**, 39, 2758-2760 7
- <sup>1480</sup> Stacking-fault-induced intermediate structure in bismuth titanate. *Applied Physics Letters*, **2003**, 83, 275-277 3.47 16
- <sup>1479</sup> Structural analysis and thermoelectric properties of Type-I clathrate compounds in the Ba-Ge-Ga system. **2003**, 793, 250
- <sup>1478</sup> High-density electron anions in a nanoporous single crystal: [Ca<sub>24</sub>Al<sub>28</sub>O<sub>64</sub>]<sub>4+</sub>(4e<sup>-</sup>). **2003**, 301, 626-9 638
- <sup>1477</sup> Magnetic properties of Cu<sub>6</sub>Ge<sub>6</sub>O<sub>18</sub>·xH<sub>2</sub>O (x=0-8): A compound of S=1/2 Heisenberg competing antiferromagnetic chains coupled by interchain interaction. **2003**, 68, 10
- <sup>1476</sup> Physical pressure effect on the charge-ordering transition of BaSmFe<sub>2</sub>O<sub>5.0</sub>. **2003**, 68, 8
- <sup>1475</sup> Crystal structure, magnetic ordering, and magnetic excitation in the 4f-localized ferromagnet CeAgSb<sub>2</sub>. **2003**, 68, 32



- 1474 Magnetic property and electronic structure of itinerant  $\text{PdxCo}_y\text{O}_2$  magnets. **2003**, 93, 7258-7260 10
- 1473 Order-disorder mechanism of the I-II phase transition in  $\text{CsZnPO}_4$ . **2003**, 67, 9
- 1472 Crystal structure, electric and magnetic properties in  $\text{Na}_{x/2}\text{CoO}_{2/2}$ .
- 1471 Pressure- and photoinduced transformation into a metastable phase in  $\text{RbMn}[\text{Fe}(\text{CN})_6]$ . **2003**, 68, 81
- 1470 Neutron Structural analysis of  $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$  Variation of One-Electron Bandwidth  $W$  with Hole Doping  $\square$  *Journal of the Physical Society of Japan*, **2003**, 72, 709-712 1.5 21
- 1469 Single Crystal Growth and Structural and Magnetic Properties of the Uranium Ternary Intermetallic Compound  $\text{UCr}_2\text{Si}_2$ . *Journal of the Physical Society of Japan*, **2003**, 72, 122-130 1.5 10
- 1468 Magnetic Phase Diagrams and Lattice Structure of  $\text{Nd}_{1/2}\text{Ca}_{1/2}(\text{Mn}_{1-y}\text{My})\text{O}_3$  ( $\text{M} = \text{Ru, Cr and Sc}$ ). *Journal of the Physical Society of Japan*, **2003**, 72, 922-929 1.5 7
- 1467 Synthesis and powder diffraction analysis of tri-rubidium penta-tantalum oxide,  $\text{Rb}_3\text{Ta}_5\text{O}_{14}$ , with novel three-dimensionally nanostructured Rb-bearing channels. **2003**, 18, 2-6
- 1466 Update in a Rietveld analysis program for x-ray powder spectro-diffractometry. **2003**, 18, 32-35 2
- 1465 Ferromagnetic Spin-Ordering in Photo-active  $\text{RbMn}[\text{Fe}(\text{CN})_6]$ . *Journal of the Physical Society of Japan*, **2003**, 72, 456-457 1.5 29
- 1464 Development and Applications of the Pioneering Technology of Structure Refinement from Powder Diffraction Data. **2003**, 111, 617-623 12
- 1463 Structural Change of  $\text{Li}_{1-x}\text{Ni}_{0.5}\text{Mn}_{0.5}\text{O}_2$  Cathode Materials for Lithium-ion Batteries by Synchrotron Radiation. **2003**, 32, 60-61 52
- 1462 Addenda to Structural Transition Induced by Charge-Transfer in  $\text{RbMn}[\text{Fe}(\text{CN})_6]$   $\square$  *Journal of the Physical Society of Japan*, **2003**, 72, 2698-2698 1.5 10
- 1461 Temperature and Magnetic Field Dependence of the Coexistent Phases in  $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$  ( $x=0.47, 0.49$ ). *Journal of the Physical Society of Japan*, **2003**, 72, 817-821 1.5 4
- 1460 Li Content Dependence of Crystal Structure and Electronic Structure for Chemical Delithiation of  $\text{Li}_x\text{Mn}_{2-y}\text{MyO}_4$  ( $\text{M} = \text{Mg, Al, Cr, Mn, Co, Zn, Ni}$ ) as a Cathode Active Material for Li Secondary Battery. **2004**, 72, 755-762 4
- 1459 Effect of geometrical frustration on the magnetic properties of the triangular-layer system  $\text{Tb}_2\text{C}_2\text{I}_2$ : a neutron diffraction investigation. **2004**, 16, S875-S881 3
- 1458 Crystal structures and magnetic properties of novel rare-earth copper sulfides,  $\text{EuRCuS}_3$  ( $\text{R} = \text{Y, Gd, Lu}$ ). **2004**, 16, 5503-5518 23
- 1457 The crystal structure and electronic properties of a new metastable non-stoichiometric  $\text{BaAl}_4$ -type compound crystallized from amorphous  $\text{La}_6\text{Ni}_{34}\text{Ge}_{60}$  alloy. **2004**, 16, 7917-7930 5



1456	Rapid preparation of MgB <sub>2</sub> superconductor using hybrid microwave synthesis. <b>2004</b> , 17, L55-L57	22
1455	The structural and magnetic characterization of 6H-perovskite-type oxides Ba <sub>3</sub> LnIr <sub>2</sub> O <sub>9</sub> (Ln = Y, lanthanides). <b>2004</b> , 16, 2849-2860	36
1454	BaCu <sub>2</sub> V <sub>2</sub> O <sub>8</sub> : Quasi-one-dimensional alternating chain compound with a large spin gap. <b>2004</b> , 69,	55
1453	Structural and magnetoelectric properties of Ga <sub>2</sub> Fe <sub>x</sub> O <sub>3</sub> single crystals grown by a floating-zone method. <b>2004</b> , 70,	218
1452	Antiferroelectric phase transition in Sr <sub>9</sub> In(PO <sub>4</sub> ) <sub>7</sub> . <b>2004</b> , 70,	22
1451	High-pressure structural investigation of ferromagnetic Nd <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> . <b>2004</b> , 70,	12
1450	Isovalent-substitution effect on the Verwey-type transition in the A-site-ordered double perovskite (Ba,Sr)RFe <sub>2</sub> O <sub>5</sub> . <b>2004</b> , 70,	5
1449	Chemical pressure effect on magnetic properties in electron-doped perovskite manganites (Gd <sub>0.08</sub> CaySr <sub>0.92</sub> )MnO <sub>3</sub> (0. <b>2004</b> , 70,	18
1448	Pressure effects on the charge-ordering transition of BaYCo <sub>2</sub> O <sub>5.0</sub> . <b>2004</b> , 69,	5
1447	Study of the Capacity Fading Mechanism for Fe-Substituted LiCoO <sub>2</sub> Positive Electrode. <b>2004</b> , 151, A672	28
1446	Time-resolved investigation of photoinduced structural change in Co-Fe cyanides. <b>2004</b> , 69,	10
1445	Spin-glass behavior in the ordered ribbon borate Cu <sub>2</sub> CoB <sub>2</sub> O <sub>6</sub> . <b>2004</b> , 70,	3
1444	Anisotropy field distribution of partially ordered FePt nanoparticles. <b>2004</b> , 95, 7261-7263	15
1443	Two-Dimensional Electronic Structures in Layered Oxychalcogenide Semiconductors, LaCuOCh (Ch=S, Se, Te) and La <sub>2</sub> CdO <sub>2</sub> Se <sub>2</sub> . <b>2004</b> , 811, 134	2
1442	Lattice Deformation in Thermally Degraded Barium Magnesium Aluminate Phosphor. <b>2004</b> , 151, E349	14
1441	High-Luminance Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> Phosphor Synthesis by High Temperature and Alkali Metal Ion-Added Spray Pyrolysis. <b>2004</b> , 151, H86	54
1440	Structural and magnetic properties of pseudo-two-dimensional triangular antiferromagnets Ba <sub>3</sub> MSb <sub>2</sub> O <sub>9</sub> (M = Mn, Co, and Ni). <b>2004</b> , 16, 8923-8935	54
1439	Effects of Ga- and In-doping on the Thermoelectric Properties in Ba-Ge Clathrate Compounds. <b>2004</b> , 842, 215	

1438	Transport and Magnetic Studies on the Spin State Transition of $\text{Pr}_{1-x}\text{Ca}_x\text{CoO}_3$ up to High Pressure. <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 1987-1997	1.5	73
1437	Compositional Dependence of X-Ray Absorption Spectra on Magnetic Circular Dichroism and Near-Edge Structure at CoKEdge in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ (0.0-0.6). <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 4171-4178	1.4	13
1436	Crystal structures and magnetic properties of rare earth tantalates $\text{RE}_3\text{TaO}_7$ (RE = rare earths). <b>2004</b> , 16, 4103-4120		70
1435	Crystallographic Studies on High-Speed Phase-Change Materials Used for Rewritable Optical Recording Disks. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 4704-4712	1.4	48
1434	In Situ Observations of Phase Transition Using High-Temperature Neutron and Synchrotron X-ray Powder Diffractometry. <b>2004</b> , 85, 2925-2930		51
1433	Ferroelectric phase transition in the whitlockite-type $\text{Ca}_9\text{Fe}(\text{PO}_4)_7$ ; crystal structure of the paraelectric phase at 923 K. <b>2004</b> , 6, 185-195		43
1432	Ferroelectric Property and Crystal Structure of $\text{KNbO}_3$ Based Ceramics. <b>2004</b> , 13, 555-559		11
1431	Two dimensional fluoride ion conductor $\text{RbSn}(\text{F})_2$ studied by impedance spectroscopy and $^{19}\text{F}$ , $^{119}\text{Sn}$ , and $^{87}\text{Rb}$ NMR. <b>2004</b> , 40, 167-176		17
1430	Temperature Dependence of Structures and Order Parameters in Antiferroelectric $\text{PbHfO}_3$ . <b>2004</b> , 301, 139-143		4
1429	Impurity-induced ferromagnetism and impurity states in $\text{Nd}_{1-x}\text{Ca}_x(\text{Mn}_{0.95}\text{M}_{0.05})\text{O}_3$ . <b>2004</b> , 69,		24
1428	Phase transitions in Sr-containing phosphates and vanadates with $\text{Ca}_3(\text{PO}_4)_2$ -related structures. <b>2004</b> , 172, 533-537		9
1427	Structure and magnetic properties of a new ordered perovskite $\text{Sr}_2\text{Cu}(\text{Re}_{0.69}\text{Ca}_{0.31})\text{O}_y$ system. <b>2004</b> , 272-276, E623-E624		5
1426	Magnetic properties of a three-dimensional antiferromagnet formed by three bonds, $\text{Cu}_6\text{Ge}_6\text{O}_{18} \cdot x\text{H}_2\text{O}$ ( $x=0.6$ ). <b>2004</b> , 272-276, 869-871		3
1425	Anomalous octahedral distortion and multiple phase transitions in the metal-ordered manganite $\text{YBaMn}_2\text{O}_6$ . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 987-999	3.3	42
1424	Synthesis, crystal structure, and magnetic properties of new layered hexagonal perovskite $\text{Ba}_8\text{Ta}_4\text{Ru}_{8/3}\text{Co}_{2/3}\text{O}_{24}$ . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3499-3504	3.3	2
1423	Effect of partial La filling on high-temperature thermoelectric properties of $\text{IrSb}_3$ -based skutterudite compounds. <b>2004</b> , 33, 1156-1160		11
1422	Structural difference between a superconducting sodium cobalt oxide and its related phase. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 372-376	3.3	53
1421	A New Superconducting Phase of Sodium Cobalt Oxide. <b>2004</b> , 16, 1901-1905		32

1420	X-ray diffraction study of the structural phase transition in MnAs under high magnetic fields. <b>2004</b> , 346-347, 408-412	9
1419	Superconductivity at 38 K in the single layer oxychloride without cation substitution. <b>2004</b> , 412-414, 27-30	2
1418	Influences of interlayer distance and cobalt oxidation state on superconductivity of Na <sub>x</sub> CoO <sub>2</sub> . <b>2004</b> , 412-414, 14-20	12
1417	Iron and molybdenum valences in double-perovskite (Sr,Nd) <sub>2</sub> FeMoO <sub>6</sub> : electron-doping effect. <b>2004</b> , 129, 129-133	37
1416	Crystal structure and structural transition caused by charge-transfer phase transition for iron mixed-valence complex (n-C <sub>3</sub> H <sub>7</sub> ) <sub>4</sub> N[FeIIFeIII(dto) <sub>3</sub> ] (dto=C <sub>2</sub> O <sub>2</sub> S <sub>2</sub> ). <b>2004</b> , 130, 415-420	38
1415	In situ XRD study on oxygen-excess LaMnO <sub>3</sub> . <b>2004</b> , 175, 383-386	15
1414	Neutron diffraction and X-ray absorption study of CaMn <sub>0.6</sub> Ru <sub>0.4</sub> O <sub>3</sub> . <b>2004</b> , 272-276, E609-E611	4
1413	Magnetic properties of Y <sub>1</sub> Dy Mn <sub>6</sub> Sn <sub>6</sub> alloys. <b>2004</b> , 272-276, E433-E434	3
1412	Antiferromagnetic transition and electrical conductivity in Gd <sub>2</sub> S <sub>3</sub> . <b>2004</b> , 65, 1113-1120	21
1411	Changes in microstructure and physico-chemical properties of hydroxyapatite/silk fibroin nanocomposite with varying silk fibroin content. <b>2004</b> , 24, 2707-2715	53
1410	Superconductivity of a hydrous sodium cobalt oxide. <b>2004</b> , 408-410, 165-168	1
1409	Crystallisation behaviour of Cu <sub>60</sub> Zr <sub>30</sub> Ti <sub>10</sub> bulk glassy alloy. <b>2004</b> , 375-377, 744-748	17
1408	Structural properties of Fe-doped lanthanum gallate. <b>2004</b> , 352, 147-155	7
1407	Li- and Mg-doping into icosahedral boron crystals, $\beta$ - and $\eta$ -rhombohedral boron, targeting high-temperature superconductivity: structure and electronic states. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 498-506	3-3 49
1406	Crystal structure of an open-tunnel oxide $\beta$ -MnO <sub>2</sub> analyzed by Rietveld refinements and MEM-based pattern fitting. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 1258-1267	3-3 54
1405	The crystal structure and electric conductivity of new quaternary chalcogenide halide CuHgSI. <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 1401-1404	3-3 3
1404	Magnetic properties and <sup>151</sup> Eu Mössbauer effects of mixed valence europium copper sulfide, Eu <sub>2</sub> CuS <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 3853-3858	3-3 21
1403	Structure of Nanocrystalline Alkali Metal Manganese Oxides by the Atomic Pair Distribution Function Technique. <b>2004</b> , 108, 14956-14963	24

1402	A-site Randomness Effect on Structural and Physical Properties of Ba-based Perovskite Manganites. <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 2283-2291	1.5	77
1401	Oxysulfides Ln <sub>2</sub> Ti <sub>2</sub> S <sub>2</sub> O <sub>5</sub> as Stable Photocatalysts for Water Oxidation and Reduction under Visible-Light Irradiation. <b>2004</b> , 108, 2637-2642		148
1400	Novel Structural Behavior of Strontium Aluminate Doped with Europium. <b>2004</b> , 151, H97		25
1399	SrFe <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> : Ab Initio Structure Determination with X-ray Powder Diffraction Data and Unusual Magnetic Properties. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 4311-4318	9.6	19
1398	Electrical Properties of Na <sub>0.5</sub> Bi <sub>2.5</sub> Ta <sub>2</sub> O <sub>9</sub> -Sr <sub>1-x</sub> Bi <sub>2+y</sub> Ta <sub>2</sub> O <sub>9</sub> Solid Solution Ceramics. <b>2004</b> , 264-268, 1241-1244		
1397	Positional disorder of oxygen ions in ceria at high temperatures. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 526-528	3.4	31
1396	Calcium Zincate Synthesized by Ballmilling as a Negative Material for Secondary Alkaline Batteries. <b>2004</b> , 151, A2126		18
1395	Simple and Efficient Route to Prepare Homogeneous Samples of Sr <sub>2</sub> FeMoO <sub>6</sub> with a High Degree of Fe/Mo Order. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 4337-4342	9.6	51
1394	Charge-orbital ordering near the multicritical point in A-site ordered perovskites SmBaMn <sub>2</sub> O <sub>6</sub> and NdBaMn <sub>2</sub> O <sub>6</sub> . <b>2004</b> , 70,		44
1393	Lattice distortion and magnetolattice coupling in CuO. <b>2004</b> , 69,		38
1392	High thermoelectric performance at low temperature of p-Bi <sub>1.8</sub> Sb <sub>0.2</sub> Te <sub>3.0</sub> grown by the gradient freeze method from Te-rich melt. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 368, 44-50	5.7	24
1391	Multi-component TiNi-based hydrogen storage alloys with the secondary Laves phase. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 368, 362-366	5.7	8
1390	Effects of rapid solidification on the phase structures and electrochemical properties of a V <sub>3</sub> TiNi <sub>0.56</sub> Co <sub>0.14</sub> Nb <sub>0.047</sub> Ta <sub>0.047</sub> alloy. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 370, 321-325	5.7	4
1389	Polarization properties of praseodymium-modified SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> ceramics and thin films prepared by sol-gel method. <b>2004</b> , 58, 1815-1818		18
1388	Structure of the Al <sub>65</sub> Rh <sub>27</sub> Si <sub>8</sub> 2/1 $\sqrt{3}$ /1 $\sqrt{3}$ /1 approximant. <b>2004</b> , 334-335, 161-166		3
1387	Synthesis, Structure, and Properties of New Perovskite PbVO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2004</b> , 16, 3267-3278	3.8	151
1386	The Magnetic Susceptibilities and Electron Paramagnetic Resonance Spectra of 6H-Perovskites Ba <sub>3</sub> PrM <sub>2</sub> O <sub>9</sub> (M = Ir, Ru). <b>2004</b> , 77, 1479-1483		6
1385	The Synthesis, Crystal Structure, and Magnetic Properties of Perovskites Ba <sub>3</sub> Ln <sub>2</sub> MO <sub>9</sub> (Ln = Lanthanides; M = Mo, W). <b>2004</b> , 77, 1359-1366		16

1384	High Oxide Ion Conductivity in Mg-Doped La <sub>10</sub> Si <sub>6</sub> O <sub>27</sub> with Apatite-type Structure. <b>2004</b> , 33, 392-393		45
1383	Crystal Structure and Ionic Conduction Mechanism of AgHgSX (X = Br, I). <b>2004</b> , 77, 975-980		0
1382	Crystal Structure of Ce <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> and .BETA.-Ce <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> .5. <b>2004</b> , 112, 440-444		53
1381	High Pressure Synthesis of Novel Compounds in Mg-TM Systems (TM = Ti&sim;Zn). <i>Materials Transactions</i> , <b>2004</b> , 45, 1350-1354	1.3	21
1380	Orbitally Ordered State in Y <sub>1-x</sub> CaxTiO <sub>3</sub> (0. <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 2620-2623	1.5	11
1379	Coupling between Orbital and Lattice Degrees of Freedom in Y <sub>1-x</sub> CaxTiO <sub>3</sub> (0 <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 3259-3266	1.5	15
1378	HYDROTHERMAL PREPARATION OF HYDROXYAPATITE SOLID SOLUTIONS WITH VARIOUS METAL IONS. <b>2005</b> , 19, 99-105		
1377	Crystal Structures of La&ndash;Mg&ndash;Nix (x=3&ndash;4) System Hydrogen Storage Alloys. <i>Materials Transactions</i> , <b>2005</b> , 46, 1393-1401	1.3	49
1376	Estimation of Distribution of Magnetic Ions in Co <sub>2</sub> Z-type Barium Ferrite by XAFS, Neutron Diffraction and Anomalous X-ray Scattering. <b>2005</b> , 52, 691-699		
1375	Europium nitride synthesized by direct nitridation with ammonia. <b>2005</b> , 20, 40-42		6
1374	Phase Separation and Hydrothermal Degradation of 3 mol% Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Ceramics. <b>2005</b> , 113, 530-533		22
1373	XPS study of the phase transition in pure zirconium oxide nanocrystallites. <b>2005</b> , 252, 1651-1656		83
1372	Electrode performance of layered LiNi <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>2</sub> prepared by ion exchange. <b>2005</b> , 144, 183-190		18
1371	The effects of preparation condition and dopant on the electrochemical property for Fe-substituted Li <sub>2</sub> MnO <sub>3</sub> . <b>2005</b> , 146, 287-293		33
1370	Investigation on lithium de-intercalation mechanism for Li <sub>1/3</sub> Ni <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> O <sub>2</sub> . <b>2005</b> , 146, 640-644		54
1369	Preparation of dense LiFePO <sub>4</sub> /C composite positive electrodes using spark-plasma-sintering process. <b>2005</b> , 146, 575-579		31
1368	Crystal structure of cobalt molybdate hydrate CoMoO <sub>4</sub> ·nH <sub>2</sub> O. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 2791-2797	3.3	47
1367	Lithium ion insertion and extraction reactions with Hollandite-type manganese dioxide free from any stabilizing cations in its tunnel cavity. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 2741-2750	3.3	48

- 1366 Compounds and subsolidus phase relations in the  $\text{CaO}-\text{Co}_3\text{O}_4-\text{CuO}$  system. *Journal of Solid State Chemistry*, **2005**, 178, 2973-2979 3:3 8
- 1365 Structure, magnetism and transport of the perovskite manganites  $\text{Ln}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$  ( $\text{Ln}=\text{Ho}, \text{Er}, \text{Tm}, \text{Yb}$  and  $\text{Lu}$ ). *Journal of Solid State Chemistry*, **2005**, 178, 3615-3623 3:3 24
- 1364 Structural disorder in  $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{Al}_2\text{O}_4$ . *Journal of Solid State Chemistry*, **2005**, 178, 3662-3666 3:3 17
- 1363 Realization of anisotropic nanocomposite magnet in  $\text{Nd}_2\text{Fe}_{14}\text{B}/\text{Fe}$  thin films. **2005**, 290-291, 1221-1225 16
- 1362 Synthesis and crystallographic studies of garnet-type  $\text{AgCa}_2\text{Co}_2\text{V}_3\text{O}_{12}$  and  $\text{AgCa}_2\text{Ni}_2\text{V}_3\text{O}_{12}$ . **2005**, 66, 103-107 11
- 1361 Formation and growth of ice XI: A powder neutron diffraction study. **2005**, 282, 251-259 22
- 1360 Solubility and superconductivity of  $\text{Gd}_{1+x}\text{Ba}_{2-x}\text{Cu}_3\text{O}_{7-\delta}$  compounds ( $x=0.1, 0, 0.05, 0.1, 0.15$  and  $0.2$ ). **2005**, 417, 77-84 14
- 1359 Characterization of superconductivity in  $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$ . **2005**, 426-431, 225-229 3
- 1358 Superconductivity in  $\text{Pr}_2\text{Ba}_4\text{Cu}_7\text{O}_{15}$ . **2005**, 426-431, 213-219 22
- 1357 Structural and hydriding studies of  $\text{Ca}(\text{Al}_{1-x}\text{Ni}_x)_2$  alloys. **2005**, 397, 113-116 3
- 1356 Synthesis and electrode performance of layered nickel dioxide containing alkaline ions. **2005**, 50, 1821-1828 3
- 1355 Structural and magnetic properties of the phase transition in absorbed and non-absorbed copper(II) trans-1,4-cyclohexanedicarboxylate. **2005**, 134, 303-306 13
- 1354 Crystal structure and magnetic ordering of novel perovskite-related barium osmate  $\text{Ba}_{11}\text{Os}_4\text{O}_{24}$ . **2005**, 136, 499-503 20
- 1353 Crystal structural change during charge/discharge process of  $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$  as cathode material for 5 V class lithium secondary battery. **2005**, 176, 299-306 32
- 1352 Conduction path of the sodium ion in  $\text{Na}_3\text{InCl}_6$  studied by X-ray diffraction and  $^{23}\text{Na}$  and  $^{115}\text{In}$  NMR. **2005**, 176, 823-829 19
- 1351 Magnesium doped lanthanum silicate with apatite-type structure as an electrolyte for intermediate temperature solid oxide fuel cells. **2005**, 176, 2395-2398 112
- 1350 Crystal structure and optical properties of  $(\text{Ga}_{1-x}\text{Zn}_x)(\text{N}_{1-x}\text{O}_x)$  oxynitride photocatalyst ( $x=0.13$ ). **2005**, 416, 225-228 78
- 1349 Rietveld analysis of a new high-pressure strontium silicate  $\text{SrSi}_2\text{O}_5$ . **2005**, 32, 290-294 21

1348	The formation mechanism of a textured ceramic of thermoelectric $[\text{Ca}_2\text{CoO}_3](0.62)[\text{CoO}_2]$ on $\beta\text{-Co}(\text{OH})_2$ templates through in situ topotactic conversion. <b>2005</b> , 127, 6367-73		52
1347	A Study of Structures and Order Parameters in Antiferroelectric $\text{PbHfO}_3$ by Synchrotron Radiation. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 2743-2747	1.5	13
1346	Structure and Mössbauer Studies of Fe Ordering in Antiferromagnetic Perovskite $\text{PbFeO}_2\text{F}$ . <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1386-1390	9.6	56
1345	Synthesis of Ordered Zirconium Titanate $(\text{Zr,Ti})_2\text{O}_4$ from the Oxides Using Fluxes. <b>2005</b> , 87, 2058-2063		21
1344	Temperature Dependence of Lattice Parameters and Anisotropic Thermal Expansion of Bismuth Oxide. <b>2005</b> , 88, 2332-2335		17
1343	Hydriding behavior of $\text{Mg}_{17}\text{Al}_{12}$ compound. <b>2005</b> , 94, 69-72		41
1342	Hydrogen-induced phase decomposition of $\text{Ca}_8\text{Al}_3$ intermetallic compound. <b>2005</b> , 59, 701-704		3
1341	Lattice expansion of clathrate hydrates of methane mixtures and natural gas. <b>2005</b> , 44, 6928-31		33
1340	Lattice Expansion of Clathrate Hydrates of Methane Mixtures and Natural Gas. <b>2005</b> , 117, 7088-7091		7
1339	Low-temperature synthetic route based on the amorphous nature of giant species for preparation of lower valence oxides. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 1471-1477	3.3	4
1338	Space group and crystal structure of the Perovskite $\text{CaTiO}_3$ from 296 to 1720 K. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 2867-2872	3.3	147
1337	Structural powder diffraction characterization of organometallic species: the role of complementary information. <b>2005</b> , 8, 1617-1630		11
1336	Pressure-induced charge ordering of. <b>2005</b> , 359-361, 1312-1314		20
1335	Structure and Ionic Conductivity of Halocomplexes of Main Group Metallic Elements Studied by NMR and NQR. <b>2005</b> , 159, 95-102		1
1334	Li Content Dependence of Thermodynamic Stability and the Crystal Structure of $\text{Li}_x\text{Mn}_{1-y}\text{MyO}_2$ ( $\text{M} = \text{Mn, Al, Cu}$ ) as a Cathode Active Material for Li Secondary Battery. <b>2005</b> , 73, 823-829		7
1333	Novel high-silica zeolite CDS-1 converted from layered silicate PLS-1 by dehydration-condensation. <b>2005</b> , 223-230		2
1332	In situ observation of 2212 intergrowths in the early stages of $(\text{Bi, Pb})_{2223}$ phase formation using the synchrotron XRD technique. <b>2005</b> , 18, 513-520		8
1331	Crystal Structure and Optical Properties of Defect-Chalcopyrite-Type $\text{MnGa}_2\text{S}_4$ . <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 725-728	1.4	8



- 1330 Anomalous X-ray Scattering Study on Site Preference of Co and Fe Ions in Hexagonal Z-Type Barium Ferrite. *Japanese Journal of Applied Physics*, **2005**, 44, 994-998 1.4 7
- 1329 Structure and magnetic properties of the two-dimensional antiferromagnet Na<sub>2</sub>TbO<sub>3</sub>. **2005**, 17, 4393-4401 11
- 1328 Phase evolution and the mechanism of J<sub>c</sub> increase during post-annealing in Ag/(Bi, Pb)<sub>2</sub>223 tapes. **2005**, 18, S290-S296 4
- 1327 Visualization of the diffusion path in the fast oxide-ion conductor Bi<sub>1.4</sub>Yb<sub>0.6</sub>O<sub>3</sub>. *Applied Physics Letters*, **2005**, 87, 221909 3.4 31
- 1326 Phase formation from liquid phase under various post-annealing conditions. **2005**, 15, 2450-2453
- 1325 Superconductivity in the ternary germanide La<sub>3</sub>Pd<sub>4</sub>Ge<sub>4</sub>. **2005**, 72, 20
- 1324 Lattice effects in multiferroic RMn<sub>2</sub>O<sub>5</sub> (R=Sm, Dy, Y). **2005**, 72, 37
- 1323 Large low-field magnetoresistance effect in Sr<sub>2</sub>FeMoO<sub>6</sub> homocomposites. *Applied Physics Letters*, **2005**, 86, 072510 3.4 11
- 1322 Crystal structure of the high-temperature paraelectric phase in barium titanate BaTi<sub>2</sub>O<sub>5</sub>. *Applied Physics Letters*, **2005**, 87, 101909 3.4 33
- 1321 Crystal and magnetic structure of Ca<sub>3</sub>Ru<sub>2</sub>O<sub>7</sub>. **2005**, 72, 102
- 1320 Suppression of the metal-insulator transition in the spinel Cu<sub>1-x</sub>In<sub>x</sub>Ir<sub>2</sub>S<sub>4</sub> system. **2005**, 72, 5
- 1319 Strongly correlated behavior in magnetoresistive Fe<sub>1-x</sub>Cu<sub>x</sub>Cr<sub>2</sub>S<sub>4</sub> spinels. **2005**, 71, 4
- 1318 New helical chain structure for scandium at 240 GPa. **2005**, 94, 195503 41
- 1317 Magnetic Structure of Sr<sub>2</sub>MnO<sub>3.5</sub>. *Journal of the Physical Society of Japan*, **2005**, 74, 1026-1029 1.5 4
- 1316 Electric State and Chemical Bonding of (Mg<sub>4-x</sub>Mn<sub>x</sub>)Nb<sub>2</sub>O<sub>9</sub> Microwave Dielectric Ceramics. **2005**, 20, 2456-2461 3
- 1315 Splitting of Guest Atom Sites and Lattice Thermal Conductivity in Ba-Ga-Ge Clathrate Compounds. **2005**, 886, 1
- 1314 Temperature Dependence of Magnetic Moment Orientation in Co<sub>2</sub>Z-Type Hexaferrite Estimated by High-Temperature Neutron Diffraction. *Japanese Journal of Applied Physics*, **2005**, 44, 3151-3156 1.4 3
- 1313 Crystallographic Features and Tetragonal Phase Stability of PbVO<sub>3</sub>, a New Member of PbTiO<sub>3</sub> Family. *Chemistry of Materials*, **2005**, 17, 269-273 9.6 142

1312	Reorientation Phenomenon in a Magnetic Phase of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Nanocrystal. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 1946-1949	1.5	63
1311	Crystallographic superstructure of Ti-doped hexagonal YMnO <sub>3</sub> . <b>2005</b> , 71,		34
1310	Redox Reactions in Strontium Iron Phosphates: Synthesis, Structures, and Characterization of Sr <sub>9</sub> Fe(PO <sub>4</sub> ) <sub>7</sub> and Sr <sub>9</sub> FeD(PO <sub>4</sub> ) <sub>7</sub> . <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5455-5464	9.6	10
1309	Whole powder pattern decomposition methods and applications: A retrospection. <b>2005</b> , 20, 316-326		500
1308	Reduction of thermal conductivity and origin of carrier in alkaline-earth hexaborides. <b>2005</b> ,		
1307	Revised Crystal Structure Model of Li <sub>2</sub> NH by Neutron Powder Diffraction. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 483-487	1.5	87
1306	RMA-3: synthesis and structure of a novel Rb-aluminosilicate zeolite. <b>2005</b> , 2753-5		8
1305	New Noncentrosymmetric Vanadates Sr <sub>9</sub> R(VO <sub>4</sub> ) <sub>7</sub> (R = Tm, Yb, and Lu): Synthesis, Structure Analysis, and Characterization. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 122-129	9.6	15
1304	Investigation on the arrangement of lithium ions in Li <sub>x</sub> La(1/3)NbO <sub>3</sub> with perovskite structure. <b>2005</b> , 109, 14648-53		8
1303	Antiferromagnetic transitions in polymorphous minerals of the natural cuprates atacamite and botallackite Cu <sub>2</sub> Cl(OH) <sub>3</sub> . <b>2005</b> , 71,		57
1302	Preparation and Alkali Metal Ion Exchange Properties of Protonated Rb <sub>8</sub> Nb <sub>22</sub> O <sub>59</sub> Compound. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5420-5427	9.6	7
1301	In Situ Neutron Diffraction Study on Fast Oxide Ion Conductor LaGaO <sub>3</sub> -Based Perovskite Compounds. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4235-4243	9.6	36
1300	Investigation of the crystal structure and the structural and magnetic properties of SrCu <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 6632-40	5.1	48
1299	Crystal Structure and Microwave Dielectric Properties of Aeschynite-Type R(W <sub>0.5</sub> Ti <sub>1.5</sub> )O <sub>6</sub> (R = Nd, Sm, Eu, Gd and Dy) Ceramics. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 7103-7106	1.4	7
1298	Antiferromagnetic Order in Disorder-Induced Insulating Phase of SrRu <sub>1-x</sub> MnxO <sub>3</sub> (0.4 ≤ x ≤ 0.6). <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 1706-1709	1.5	22
1297	Size effect on the crystal structure of barium titanate nanoparticles. <b>2005</b> , 98, 014313		144
1296	Structural and electrical properties of stoichiometric FeS compounds under high pressure at low temperature. <b>2005</b> , 71,		8
1295	Metal/insulator transition and large thermoelectric power of a layered palladium oxide: PbPdO <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 388, 1-5	5.7	33

1294	The study on binary Mg <sub>10</sub> hydrogen storage alloys with BCC phase. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 393, 147-153	5.7	61
1293	The hydrogen absorption-desorption performances of Mg <sub>10</sub> ternary alloys with BCC structure. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 393, 185-193	5.7	26
1292	Synthesis of Sr <sub>2</sub> AlH <sub>7</sub> by ball milling followed by hydrogenation. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 394, 308-311	5.7	11
1291	Synthesis and crystal structure of a new ternary compound Ca <sub>4</sub> Al <sub>3</sub> Mg. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 398, 123-126	5.7	2
1290	Crystal structures and hydrogenation characteristics of Ca <sub>8</sub> (Al <sub>1-x</sub> Ni <sub>x</sub> ) <sub>3</sub> alloys. <i>Intermetallics</i> , <b>2005</b> , 13, 796-799	3.5	2
1289	Solid-State Chemistry and Electrochemistry of LiCo <sub>1/3</sub> Ni <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> for Advanced Lithium-Ion Batteries. <b>2005</b> , 152, A1434		169
1288	New A-site Ordered Perovskite Cobaltite LaBaCo <sub>2</sub> O <sub>6</sub> : Synthesis, Structure, Physical Property and Cation Order-Disorder Effect. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 1572-1577	1.5	76
1287	R-Dependence of Spin Exchange Interactions in RMnO <sub>3</sub> (R= Rare-Earth Ions). <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 2430-2433	1.5	33
1286	X-ray absorption spectroscopic study on the electronic structure of Li(1- $\alpha$ )(x)CoPO <sub>4</sub> electrodes as 4.8 V positive electrodes for rechargeable lithium ion batteries. <b>2005</b> , 109, 11197-203		34
1285	Structural properties and phase transition of hole-orbital-ordered (C <sub>2</sub> H <sub>5</sub> NH <sub>3</sub> ) <sub>2</sub> CuCl <sub>4</sub> studied by resonant and non-resonant x-ray scatterings under high pressure. <b>2005</b> , 72,		24
1284	Physics and Chemistry of the Cobalt Oxide Hydrate Superconductor. <b>2005</b> , 651-682		
1283	Crystal Growth and Magnetic Properties of BaCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> . <i>Chemistry of Materials</i> , <b>2005</b> , 17, 2924-2926	9.6	66
1282	Powder Synthesis of Ca-BiAlON as a Host Material for Phosphors. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 308-314	9.6	118
1281	Characterization of Sodium Cobalt Oxides Related to P3-Phase Superconductor. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 2034-2040	9.6	27
1280	Overall water splitting on (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) solid solution photocatalyst: relationship between physical properties and photocatalytic activity. <b>2005</b> , 109, 20504-10		360
1279	Single structure widely distributed in a GeTe-Sb <sub>2</sub> Te <sub>3</sub> pseudobinary system: a rock salt structure is retained by intrinsically containing an enormous number of vacancies within its crystal. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 2235-41	5.1	94
1278	Crystal structure, electron density and diffusion path of the fast-ion conductor copper iodide CuI. <b>2006</b> , 16, 4393		40
1277	BiInO <sub>3</sub> : A Polar Oxide with GdFeO <sub>3</sub> -Type Perovskite Structure. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1964-1968		69

1276	Structural and Surface Modifications of LiFePO <sub>4</sub> Olivine Particles and Their Electrochemical Properties. <b>2006</b> , 153, A1108	146
1275	Properties, Crystal Structure, and Performance of o-LiMnO <sub>2</sub> as Cathode Material for Li Secondary Batteries. <b>2006</b> , 153, A418	14
1274	O8 cluster structure of the epsilon phase of solid oxygen. <b>2006</b> , 97, 085503	95
1273	Crystal lattice size and stability of type H clathrate hydrates with various large-molecule guest substances. <b>2006</b> , 110, 12943-7	34
1272	Thermoelectric properties of layered perovskite-type Nb-doped SrO(SrTiO <sub>3</sub> ) <sub>n</sub> (n = 1,2) Ruddlesden-Popper phases. <b>2006</b> ,	
1271	Crystal and magnetic structures and their temperature dependence of Co <sub>2</sub> Z-type hexaferrite (Ba,Sr) <sub>3</sub> Co <sub>2</sub> Fe <sub>24</sub> O <sub>41</sub> by high-temperature neutron diffraction. <b>2006</b> , 100, 043904	60
1270	Spontaneous formation of vanadium "molecules" in a geometrically frustrated crystal: AlV <sub>2</sub> O <sub>4</sub> . <b>2006</b> , 96, 086406	89
1269	An analytical approach to determine the pore shape and size of MCM-41 materials from X-ray diffraction data. <b>2006</b> , 110, 10630-5	20
1268	Phase Diagram of the (Na <sub>0.5</sub> K <sub>0.5</sub> )NbO <sub>3</sub> -ATiO <sub>3</sub> Solid Solution. <b>2006</b> , 336, 39-46	23
1267	Crystal structure refinement of a type-I clathrate compound BaGe with an ordered arrangement of germanium vacancies. <b>2006</b> , 54, 173-178	26
1266	Structure and superconductivity of the ternary intermetallics of La <sub>3</sub> Ni <sub>4</sub> Si <sub>4</sub> , La <sub>3</sub> Ni <sub>4</sub> Ge <sub>4</sub> , and La <sub>3</sub> Pd <sub>4</sub> Si <sub>4</sub> . <b>2006</b> , 18, 8037-8047	13
1265	Urea coordinated titanium trichloride Ti(III)[OC(NH) <sub>2</sub> ] <sub>6</sub> Cl <sub>3</sub> : a single molecular precursor yielding highly visible light responsive TiO <sub>2</sub> nanocrystallites. <b>2006</b> , 110, 14611-8	24
1264	Superconductivity in ternary chalcogenides Bi <sub>2</sub> (Ni <sub>3</sub> )X <sub>2</sub> (X = S, Se). <b>2006</b> , 18, 4417-26	23
1263	The pseudogap and anisotropic thermal expansion in RMn <sub>4</sub> Al <sub>8</sub> (R = La,Y,Lu and Sc). <b>2006</b> , 18, 3931-6	7
1262	Neutron Diffraction Study of Distorted-Triangular-Lattice Ising-like Antiferromagnet TlCoCl <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 034707	1.5 10
1261	Magnetic and Transport Properties of Gd <sub>3</sub> Ir <sub>4</sub> Sn <sub>13</sub> with Unique Crystal Structure. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 044710	1.5 11
1260	Ruddlesden-Popper phases as thermoelectric oxides: Nb-doped SrO(SrTiO <sub>3</sub> ) <sub>n</sub> (n=1,2). <b>2006</b> , 100, 063717	82
1259	Local structure of relaxor Pb(In <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> ferroelectrics. <b>2006</b> , 100, 093521	10

1258	Neutron Powder Diffraction Study on the Crystal and Magnetic Structures of BiCoO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2006</b> , 18, 798-803	9.6	261
1257	Ferrimagnetic long-range order caused by periodicity of exchange interactions in the spin-1 trimer chain compounds ANi <sub>3</sub> P <sub>4</sub> O <sub>14</sub> (A=Ca,Sr,Pb,Ba). <b>2006</b> , 74,		14
1256	Crystal structures and magnetic properties of magnetically frustrated systems BaLn <sub>2</sub> O <sub>4</sub> and Ba <sub>3</sub> Ln <sub>4</sub> O <sub>9</sub> (Ln = lanthanide). <b>2006</b> , 18, 333-344		41
1255	Optimization of synthesis conditions for CoSb <sub>3</sub> compounds prepared by Sb self-flux method. <b>2006</b> ,		
1254	Crystal structure and properties of phosphate PbCu <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> with spin-singlet ground state. <b>2006</b> , 73,		26
1253	Thermodynamical stability of calcium borohydride Ca(BH <sub>4</sub> ) <sub>2</sub> . <b>2006</b> , 74,		153
1252	A Low-Temperature Synthetic Route and Electrochemical Properties of Micrometer-Sized LiNi[ <sub>sub 0.5</sub> ]Mn[ <sub>sub 1.5</sub> ]O[ <sub>sub 4</sub> ] Single Crystals. <b>2006</b> , 9, A203		14
1251	Tetrahedral Co(II) coordination in alpha-type cobalt hydroxide: Rietveld refinement and X-ray absorption spectroscopy. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 3964-9	5.1	162
1250	Solvothermal treatment of rare earth chloride hydrates. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 529-532	5.7	9
1249	Crystal structures and magnetic properties of double perovskite compounds Ca <sub>2</sub> LnRuO <sub>6</sub> (Ln=Y, La, Lu). <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 608-612	5.7	18
1248	Synthesis of rare-earth orthoaluminates by a polymer complex method. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 1190-1192	5.7	10
1247	Structural phase transition of La <sub>2</sub> NdxNiO <sub>4</sub> +[(0.00-0.02). <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 1196-1199	5.7	17
1246	Oxide ionic conductivity of apatite-type lanthanum silicates. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 649-652	5.7	75
1245	Structural phase transition of Nd <sub>2</sub> NiO <sub>4</sub> +[(0.106-0.224). <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 1200-1204	5.7	21
1244	Luminescent properties of red long persistence phosphors, BaMg <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> :Eu <sup>2+</sup> , Mn <sup>2+</sup> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 911-914	5.7	23
1243	Single-crystal growth of layered Ce-Ni-Te ternary compounds. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 84-87	5.7	9
1242	Heavy fermion like behavior in layered Ce-based oxysulfides. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 101-103	5.7	4
1241	Crystal structure and physical properties of R(Ba <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> (R, Pr) prepared under reducing atmosphere. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 215-218	5.7	1

1240	Fabrication of SmFe <sub>12</sub> /Fe thin films as anisotropic nanocomposite magnet. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 1368-1372	5-7	7
1239	Magnetic properties of clathrate-like compound Pr <sub>3</sub> Pd <sub>20</sub> Ge <sub>6</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 107-109	5-7	5
1238	Crystal structure and magnetic state of U <sub>2</sub> XSi <sub>3</sub> (X=Fe, Pt). <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 1324-1328	5-7	11
1237	Phase structures and electrochemical properties of the laser sintered LaNi <sub>5</sub> wt.% Mg <sub>2</sub> Ni composites. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 414, 317-321	5-7	11
1236	Characterization of Al <sub>3</sub> Si phases in cycled TiF <sub>3</sub> -enhanced Na <sub>2</sub> LiAlH <sub>6</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 416, 274-278	5-7	18
1235	Crystal structures and magnetic properties of alkali-metal lanthanide oxides A <sub>2</sub> LnO <sub>3</sub> (A=Li, Na; Ln=Ce, Pr, Tb). <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 418, 155-160	5-7	13
1234	Crystal structures and hydrogen-induced decomposition of La(Mg <sub>1-x</sub> Al <sub>x</sub> ) <sub>3</sub> alloys. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 417, 100-103	5-7	10
1233	Crystal growth and magnetic property of a new compound CeAu <sub>4</sub> Si <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 424, 7-12	5-7	5
1232	Enhancement of Thermoelectric Figure of Merit through Nanostructural Control on Intermetallic Semiconductors toward High-Temperature Applications. <b>2006</b> , 383-418		12
1231	Synthesis and Structure of Novel Zeolite Obtained by Topotactic Condensation Using Nano-precursors. <b>2006</b> , 49, 219-224		
1230	Crystal structure of calcium cobalt orthophosphate, CaCo[Ca <sub>0.1</sub> Co <sub>0.9</sub> ](PO <sub>4</sub> ) <sub>2</sub> . <b>2006</b> , 21, 220-224		
1229	Rattling of Pr in Heavy-Fermion Superconductor PrOs <sub>4</sub> Sb <sub>12</sub> Revealed by Neutron Powder Diffraction. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 034701	1-5	36
1228	Basic Properties of All-Solid-State Lithium Polymer Secondary Batteries Using LiFePO <sub>4</sub> . <b>2006</b> , 74, 321-325		5
1227	Dependence of Properties, Crystal Structure and Electrode Characteristics on Li Content for Li <sub>x</sub> Co <sub>1/3</sub> Ni <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> +DELTA. as a Cathode Active Material for Li Secondary Battery. <b>2006</b> , 74, 752-757		1
1226	Dependence of Property, Crystal Structure and Electrode Characteristics on Heat Treatment for Li <sub>1.052</sub> Co <sub>1/3</sub> Ni <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>y</sub> as a Cathode Active Material for Li Secondary Battery. <b>2006</b> , 74, 959-963		1
1225	In-Situ Observation for Weld Solidification in Stainless Steels Using Time-Resolved X-ray Diffraction. <i>Materials Transactions</i> , <b>2006</b> , 47, 310-316	1-3	37
1224	Crystal Structure, Electronic Structure and Electrode Performance of o-LiMn <sub>1-x</sub> M <sub>x</sub> O <sub>2</sub> (M = Mn, Co, Ni) as a Cathode Material for Li Secondary Battery. <b>2006</b> , 74, 815-821		3
1223	Perovskite-Type Oxyfluoride Phases in the ABO <sub>3</sub> -BaLiF <sub>3</sub> Systems (A=Ba, Ca and B=Ti, Zr). <b>2006</b> , 114, 1160-1163		2

1222	Powder Neutron Diffraction Study of Layered Perovskite, $\text{KCa}_2\text{Nb}_3\text{O}_{10}$ . <b>2006</b> , 114, 795-797		14
1221	Possibility of Superconductivity in a Layered Perovskite Niobate, $\text{KCa}_2\text{Nb}_3\text{O}_{10}$ , Synthesized by an Ion Exchange Reaction. <b>2006</b> , 114, 861-865		2
1220	Two-Dimensional Time-Resolved X-ray Diffraction Study of Directional Solidification in Steels. <i>Materials Transactions</i> , <b>2006</b> , 47, 2292-2298	1.3	39
1219	Crystal Structure Analysis of $(\text{Ga}_{0.93}\text{Zn}_{0.07})(\text{N}_{0.90}\text{O}_{0.10})$ Oxynitride Photocatalyst. <i>Materials Transactions</i> , <b>2006</b> , 47, 295-297	1.3	24
1218	Magnetic and dielectric properties of the ruthenium double perovskites $\text{La}_2\text{MRuO}_6$ ( $\text{M} = \text{Mg}, \text{Co}, \text{Ni}$ , and $\text{Zn}$ ). <b>2006</b> , 203, 2812-2817		31
1217	Luminescence properties of $\text{YAl}_3(\text{BO}_3)_4$ substituted with $\text{Sc}^{3+}$ ions. <b>2006</b> , 203, 2701-2704		3
1216	A Compact Furnace for Synchrotron Powder Diffraction Experiments up to 1800 K. <b>2006</b> , 89, 1395-1399		23
1215	Effects of Bovine Serum Albumin on the Low Temperature Synthesis of Barium Titanate Microparticles via a Solid State Route. <b>2006</b> , 89, 1709-1712		21
1214	Phase Transition and Lattice Thermal Expansion of Cs-Deficient Pollucite, $\text{Cs}_{1-x}\text{Al}_2\text{Si}_2\text{O}_6$ ( $x=0.25$ ), Compounds. <b>2006</b> , 89, 3157-3161		22
1213	$\text{TiO}_2$ -Doped Zirconia: Crystal Structure, Monoclinic-Tetragonal Phase Transition, and the New Tetragonal Compound $\text{Zr}_3\text{TiO}_8$ . <b>2006</b> , 89, 3201-3210		25
1212	Synthesis of Various $\text{LaMO}_3$ Perovskites in Molten Carbonates. <b>2006</b> , 89, 3610-3616		27
1211	Neutron Powder Diffraction Study of a Phase Transition in $\text{La}_{0.68}(\text{Ti}_{0.95}\text{Al}_{0.05})\text{O}_3$ . <b>2006</b> , 89, 3805-3811		8
1210	Splitting of guest atom sites and lattice thermal conductivity of type-I and type-III clathrate compounds in the $\text{BaGaGe}$ system. <b>2006</b> , 54, 5519-5528		21
1209	Microstructural investigation of white etching layer on pearlite steel rail. <b>2006</b> , 421, 191-199		108
1208	Phase relations and electrochemical properties of $\text{Ca}_{1-x}\text{Mg}_x(\text{Ni}_{0.9}\text{Al}_{0.1})_2$ alloys. <i>International Journal of Hydrogen Energy</i> , <b>2006</b> , 31, 1182-1187	6.7	6
1207	Magnetic, specific heat and powder neutron diffraction studies of $\text{Ho}_2\text{In}$ . <b>2006</b> , 381, 132-138		7
1206	Structural analysis of the filled skutterudite at high pressure and low temperature. <b>2006</b> , 378-380, 199-200		
1205	X-ray study with synchrotron radiation for filled skutterudite $\text{YbFe}_4\text{P}_{12}$ at ambient and high pressures. <b>2006</b> , 382, 8-13		13



1204 Magnetic structure of  $Y_{1-x}Nd_xMn_6Sn_6$  alloys. **2006**, 385-386, 320-322

1203 A-site substitution effects on the magnetic and transport properties in  $La_{1.4}Y_{0.6}Ba_{1-x}Mn_2O_7$ . **2006**, 133, 66-69

2

1202 Comparison of the Sr substitution effect on  $Nd(Ba_{1-x}Sr_x)_2Cu_3O_{6+\delta}$  and  $Pr(Ba_{1-x}Sr_x)_2Cu_3O_{6+\delta}$  prepared under reducing atmosphere. **2006**, 434, 178-184

1201 Electron-doping through LaIII-for-SrII substitution in  $(Sr_{1-x}La_x)_2FeTaO_6$ : Effects on the valences and ordering of the B-site cations, Fe and Ta. *Journal of Solid State Chemistry*, **2006**, 179, 111-116

3-3

9

1200 Magnetic and vibrational properties and crystal structure of  $Sr_{0.2}Co_{1.3}(PO_4)_7$  with disordered arrangements of some strontium, cobalt, and phosphate ions. *Journal of Solid State Chemistry*, **2006**, 179, 161-168

3-3

7

1199 Synthesis and crystal structures of  $CaY_2Ge_3O_{10}$  and  $CaY_2Ge_4O_{12}$ . *Journal of Solid State Chemistry*, **2006**, 179, 289-295

3-3

24

1198 Structural change in a series of protonated layered perovskite compounds,  $HLnTiO_4$  ( $Ln=La, Nd$  and  $Y$ ). *Journal of Solid State Chemistry*, **2006**, 179, 1892-1897

3-3

14

1197 Magnetic susceptibility and specific heat of uranium double perovskite oxides  $Ba_2MUO_6$  ( $M=Co, Ni$ ). *Journal of Solid State Chemistry*, **2006**, 179, 2079-2085

3-3

21

1196 Crystal structures and magnetic properties of 6H-perovskite-type oxides  $Ba_3Ml_2O_9$  ( $M=Mg, Ca, Sc, Ti, Zn, Sr, Zr, Cd$  and  $In$ ). *Journal of Solid State Chemistry*, **2006**, 179, 2595-2601

3-3

42

1195 Crystal structures and phase transitions of  $SrZr(PO_4)_2BaZr(PO_4)_2$  solid solutions. *Journal of Solid State Chemistry*, **2006**, 179, 3870-3876

3-3

9

1194 Long-range antiferromagnetic ordering in  $Cu_2NiB_2O_6$ . *Journal of Solid State Chemistry*, **2006**, 179, 3937-3941

6

1193 Crystal growth and magnetic properties of  $SrCo_2V_2O_8$ . **2006**, 293, 458-461

9

1192 Preferential occupancy of metal ions in the hydroxyapatite solid solutions synthesized by hydrothermal method. **2006**, 26, 509-513

92

1191 Ni substitution effect on magnetic and transport properties in metallic ferromagnet. **2006**, 378-380, 1142-1143

29

1190 An anomalous thermal expansion in the perovskite system,  $Gd_{1-x}Sr_xMnO_3$  ( $0 \leq x \leq 0.3$ ). **2006**, 177, 749-755

12

1189 Structural investigations of migration pathways in lithium ion-conducting  $La_{2/3}Li_{1/3}TiO_3$  perovskites. **2006**, 177, 3037-3044

63

1188 Microstructure and properties of  $Fe_{1-x}Cr_xCu$  coating deposited by plasma transferred arc process. **2006**, 201, 3685-3690

14

1187 Iron-based layered superconductor:  $LaOFeP$ . **2006**, 128, 10012-3

1051

1186	High-Pressure Synthesis, Crystal Structures, and Properties of Perovskite-like BiAlO <sub>3</sub> and Pyroxene-like BiGaO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2006</b> , 18, 133-139	9.6	182
1185	Crystal structure analysis of novel complex hydrides formed by the combination of LiBH <sub>4</sub> and LiNH <sub>2</sub> . <b>2006</b> , 83, 277-279		73
1184	High-pressure behavior of MnGeO <sub>3</sub> and CdGeO <sub>3</sub> perovskites and the post-perovskite phase transition. <b>2006</b> , 32, 721-725		63
1183	Crystal structure and the structural disorder of ceria from 40 to 1497 °C. <b>2006</b> , 177, 211-215		54
1182	Structure and electron charge-density analysis of nano-sized BaTiO <sub>3</sub> powder prepared by solvothermal method. <b>2006</b> , 6, e266-e270		7
1181	Structure and thermal expansion of natural gas clathrate hydrates. <b>2006</b> , 61, 2670-2674		66
1180	Structure determination of n=1 Ruddlesden-Popper compound HLaTiO <sub>4</sub> by powder neutron diffraction. <b>2006</b> , 26, 725-729		12
1179	Reaction between LiF and MF <sub>5</sub> (M=Ta, Nb) in a fluorine atmosphere. <b>2006</b> , 127, 1054-1057		4
1178	High-pressure synthesis, crystal structures, and characterization of CdVO <sub>3</sub> and solid solutions CdVO <sub>3</sub> -NaVO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 1650-1658	3.3	10
1177	Neutron diffraction study on protonated and hydrated layered perovskite. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 3308-3313	3.3	4
1176	Crystal structure and phase transformations of calcium yttrium orthophosphate, Ca <sub>3</sub> Y(PO <sub>4</sub> ) <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 3420-3428	3.3	17
1175	Synthesis, crystal structure and catalytic activity for C <sub>3</sub> H <sub>6</sub> combustion of La <sub>0.8</sub> Br <sub>0.2</sub> Ti <sub>0.8</sub> Fe <sub>0.2</sub> with K <sub>2</sub> NiF <sub>4</sub> -type perovskite structure. <b>2006</b> , 238, 58-66		18
1174	Formation of perovskite-type hydrides and thermal desorption processes in Ca <sub>1-x</sub> Fe <sub>x</sub> (T = 3d transition metals). <b>2006</b> , 55, 827-830		15
1173	Analysis of atomic arrangement in magnetic FePt nanoparticles. <b>2006</b> , 300, 284-292		17
1172	Magnetic and transport properties of lanthanide rhenates Ln <sub>4</sub> Re <sub>6</sub> O <sub>19</sub> (Ln = La, Pr, Nd). <b>2006</b> , 18, 9031-9046		4
1171	Magnetic Structure of YBaCo <sub>4</sub> O <sub>7</sub> with Kagome and Triangular Lattices. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 054707	1.5	54
1170	Structural Studies of Pyrochlore-Related Spin-1/2 System Ag <sub>2</sub> Cu <sub>2</sub> O <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 124601	1.5	1
1169	Structure of Yttrium Aluminium Garnet Obtained by the Glycothermal Method. <b>2006</b> , 45, 691-696		3

1168	The hydrothermal preparation, crystal structure and photoluminescent properties of GdOOH nanorods. <b>2006</b> , 17, 1981-1985		40
1167	Crystal structure of lanthanum oxyorthosilicate, La <sub>2</sub> SiO <sub>5</sub> . <b>2006</b> , 21, 300-303		29
1166	Mechanical Properties of Dispersion-Hardened P/M Al-Mn-Cu-Mg-Zn Alloys at Elevated Temperature. <i>Materials Science Forum</i> , <b>2006</b> , 519-521, 419-424	0.4	
1165	Crystal Structure Analysis in the Dehydrogenation Process of Mg(NH <sub>2</sub> ) <sub>2</sub> -LiH System. <b>2006</b> , 971, 1		5
1164	Doping Effect on Crystal Structure of Fast Oxide Ion Conductor LaGaO <sub>3</sub> -Based Perovskite Compounds. <b>2006</b> , 320, 227-230		1
1163	Thermoelectric properties of Ba-Ge based Type-III Clathrate Compounds. <b>2006</b> , 980, 5		1
1162	Effects of Post Calcination Treatment on Photoluminescence and Structural Properties of Scheelite-type LiEuW <sub>2</sub> O <sub>8</sub> Nanocrystals Synthesized by Glycothermal Reaction. <b>2006</b> , 951, 29		
1161	X-Ray Absorption Fine Structure Study on Layered LiMO <sub>2</sub> (M=Ni, Mn, Co) Cathode Materials. <b>2006</b> , 153, A1120		7
1160	Structural Phase Transition of Rutile-Type MgH <sub>2</sub> at High Pressures. <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 074603	1.5	52
1159	Singlet Ground State and Magnetic Interactions in New Spin Dimer System Ba <sub>3</sub> Cr <sub>2</sub> O <sub>8</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 054706	1.5	48
1158	Coexisting ferromagnetic order and disorder in a uniform system of hydroxyhalide Co <sub>2</sub> (OH)Cl. <b>2006</b> , 97, 247204		45
1157	Bi and Sr substitution effects on the spin-gap system Pb <sub>2</sub> V <sub>3</sub> O <sub>9</sub> . <b>2006</b> , 73,		14
1156	Determining the structure of phosphorus in phase IV. <b>2006</b> , 96, 095502		32
1155	Crystal structure and thermoelectric properties of the type-I clathrate compound Ba <sub>8</sub> Ge <sub>43</sub> with an ordered arrangement of Ge vacancies. <b>2006</b> , 99, 033513		25
1154	Electronic properties of the metallic pyrochlore ruthenates Pb <sub>2</sub> Ru <sub>2</sub> O <sub>6.5</sub> and Bi <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> . <b>2006</b> , 73,		39
1153	Direct observation of the induced moment on nonmagnetic Ru: A magnetic Compton study of CaRu <sub>0.85</sub> Fe <sub>0.15</sub> O <sub>3</sub> . <b>2006</b> , 74,		9
1152	Magnetic properties of CaRu <sub>1-x</sub> FexO <sub>3</sub> . <b>2006</b> , 99, 08F703		9
1151	Thermoelectric properties of sintered clathrate compounds Sr <sub>8</sub> GaxGe <sub>46-x</sub> with various carrier concentrations. <b>2006</b> , 99, 093707		37

- 1150 Epitaxial growth and B-site cation ordering in layered double perovskite  $\text{La}_2\text{CuSnO}_6$  thin films. *Applied Physics Letters*, **2006**, 89, 211913 3-4 20
- 1149 Crystal structure and thermoelectric properties of type-I clathrate compounds in the  $\text{Ba}_x\text{Ga}_{1-x}\text{Te}$  system. **2006**, 100, 073504 47
- 1148 Semiconducting ferromagnetic states in  $\text{La}_{1-x}\text{Sr}_x\text{CoO}_4$ . **2006**, 73, 70
- 1147 Grazing-incidence x-ray diffraction study of pentacene thin films with the bulk phase structure. *Applied Physics Letters*, **2006**, 89, 101919 3-4 52
- 1146 Preparation and thermoelectric properties of sintered iodine-containing clathrate compounds  $\text{Ge}_{38}\text{Sb}_{818}$  and  $\text{Sn}_{38}\text{Sb}_{818}$ . *Applied Physics Letters*, **2006**, 88, 222115 3-4 23
- 1145 Systematic studies on effects of cationic ordering on structural and magnetic properties in  $\text{Sr}_2\text{FeMoO}_6$ . **2006**, 73, 53
- 1144 Synthesis and thermoelectric properties of type-I clathrate  $\text{Ge}_{30}\text{P}_{16}\text{Te}_8$ . *Applied Physics Letters*, **2006**, 89, 172106 3-4 21
- 1143 Preparation and Electrochemical Properties of the Layered Material of  $\text{Li}_{[x]} \text{V}_{[y]} \text{O}_{[2]}$  ( $x=0.86$  and  $y=0.8$ ). **2006**, 153, A117 11
- 1142 FABRICATION OF ZIRCONIUM OXIDE NANOCRYSTALLITES AND THE CRITICAL SIZE OF THE PHASE TRANSITION. **2006**, 05, 651-656 3
- 1141 Relation between zn content and thermoelectric properties of  $\text{zn}_{4+x}\text{sb}_3$  ( $-0.12 \leq x \leq 0.12$ ). **2006**, 12
- 1140 Neutron Powder Diffraction Study of the Phase Transition in  $\text{BaTi}_2\text{O}_5$ . **2007**, 346, 43-48 12
- 1139 Crystal structure and atomic vibration of Ba-Ge based type-III clathrate compounds. **2007**, 1
- 1138 Variation in the Einstein Temperature of Guest Atoms in Ba-Ge-X type-III Clathrate Compounds. **2007**, 1044, 1
- 1137 Synthesis and Thermoelectric Properties of Type-I Clathrate Compounds  $\text{Si}_{46-x}\text{P}_x\text{Te}_8$ . *Japanese Journal of Applied Physics*, **2007**, 46, L746-L748 1-4 21
- 1136 Synthesis and Crystal Structure/Microwave Dielectric Property Relations in Sn-Substituted  $\text{Ca}_3(\text{Zr}_{1-x}\text{Sn}_x)\text{Si}_2\text{O}_9$  Solid Solutions with Cuspidine Structure. *Japanese Journal of Applied Physics*, **2007**, 46, 7108-7111 1-4 22
- 1135 Optoelectronic properties and electronic structure of  $\text{YCuOSe}$ . **2007**, 102, 113714 18
- 1134 Successive Magnetic Transitions of the Kagomé Staircase Compound  $\text{Co}_3\text{V}_2\text{O}_8$  Studied in Various Magnetic Fields. *Journal of the Physical Society of Japan*, **2007**, 76, 034706 1-5 20
- 1133 Superconductivity in Boron-doped SiC. *Journal of the Physical Society of Japan*, **2007**, 76, 103710 1-5 80

1132	Difference between Local and Average Structures of La <sub>3</sub> Ga <sub>5</sub> SiO <sub>14</sub> Crystal. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 7163-7166	1.4	1
1131	Superconductivity in the ternary antimonide La <sub>6</sub> ZnSb <sub>15</sub> . <b>2007</b> , 19, 016218		1
1130	Crystal Structure of Sr <sub>0.35</sub> CoO <sub>2</sub> Compound Studied by High-Resolution Electron Microscopy. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 712-715	1.4	5
1129	Glycothermal Synthesis of Scheelite-Type LiEuW <sub>2</sub> O <sub>8</sub> Nanophosphors and Their Structural Characterization. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 5879-5884	1.4	3
1128	Magnetoresistance and electronic structure of the half-metallic ferrimagnet BiCu <sub>3</sub> Mn <sub>4</sub> O <sub>12</sub> . <b>2007</b> , 76,		63
1127	Crystal structure and thermoelectric properties of type-III clathrate compounds in the Ba <sub>1-x</sub> Al <sub>x</sub> Te system. <b>2007</b> , 102, 094506		16
1126	Long-period stacking structures in yttrium trihydride at high pressure. <b>2007</b> , 76,		35
1125	Thermoelectric properties and their relation to crystal structure of rare earth (RE = La, Nd, Sm and Gd)-doped SrO(SrTiO <sub>3</sub> ) <sub>2</sub> Ruddelsden-Popper phase. <b>2007</b> ,		
1124	Thermoelectric properties of layered perovskite-type (Sr <sub>1-x</sub> Cax) <sub>3</sub> (Ti <sub>1-y</sub> Nby) <sub>2</sub> O <sub>7</sub> . <b>2007</b> , 101, 083707		28
1123	Optimizing Chemical Composition and Preparation Conditions for Fe-Substituted Li[sub 2]MnO[sub 3] Positive Electrode Material. <b>2007</b> , 154, A638		28
1122	New-Type Phase Transition of Li <sub>2</sub> RuO <sub>3</sub> with Honeycomb Structure. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 033705	1.5	88
1121	Charge-density-wave superconductor Bi <sub>2</sub> Rh <sub>3</sub> Se <sub>2</sub> . <b>2007</b> , 75,		19
1120	Tuning of the in-plane strain in cuprate thin films using a solid-solution compound as a buffer layer. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 232503	3.4	2
1119	Thermoelectric properties and crystal structure of type-III clathrate compounds in the Ba <sub>1-x</sub> Al <sub>x</sub> Te system. <b>2007</b> , 102, 034510		11
1118	Spin-liquid state in the S=1/2 hyperkagome antiferromagnet Na <sub>4</sub> Ir <sub>3</sub> O <sub>8</sub> . <b>2007</b> , 99, 137207		385
1117	Electron density topology of high-pressure Ba <sub>8</sub> Si <sub>46</sub> from a combined Rietveld and maximum-entropy analysis. <b>2007</b> , 76,		20
1116	Chapter 12 Nano-particulate photocatalysts for overall water splitting under visible light. <b>2007</b> , 18, 301-315		4
1115	Photocatalytic Performance of Barium-Doped Strontium Tantalate. <i>Materials Science Forum</i> , <b>2007</b> , 534-536, 1481-1484	0.4	4

- 1114 Multiferroic Bi<sub>2</sub>NiMnO<sub>6</sub> with a Double-Perovskite Structure: High-Pressure Synthesized Bulk and Epitaxially Grown Thin Films. **2007**, 1034, 68
- 1113 Direct Observation of B-site Ordering in Multiferroic Bi<sub>2</sub>NiMnO<sub>6</sub> Thin Film. *Japanese Journal of Applied Physics*, **2007**, 46, L845-L847 1.4 15
- 1112 Crystal structures of high-pressure phases in the alumina-water system: II. Powder X-ray diffraction study of a new dense aluminum deuterioxide,  $\beta$ -Al(OD)<sub>3</sub>. **2007**, 222, 7
- 1111 Ultramarine colored: Solid-phase elution of Pt into perovskite oxides. **2007**, 22, 2647-2650 5
- 1110 Synthesis, crystal structure, and thermoelectric properties of a new layered carbide (ZrC)<sub>3</sub>[Al<sub>3.56</sub>Si<sub>0.44</sub>]C<sub>3</sub>. **2007**, 22, 2888-2894 34
- 1109 Property, Electronic and Crystal Structures, Thermodynamic Stability, and Cathode Performance of Li, (Mn, Co, Ni, M) O<sub>2</sub> (M=Al, Ti, Fe) as a Cathode Active Material for Li Secondary Battery. **2007**, 75, 791-799 15
- 1108 Hydrothermal Synthesis and Crystallographic Study of Sr-Pb Hydroxyapatite Solid Solutions. **2007**, 115, 873-876 5
- 1107 Magnetic Structures of Co<sub>2</sub>TeO<sub>3</sub>Cl<sub>2</sub>. *Journal of the Physical Society of Japan*, **2007**, 76, 084713 1.5 2
- 1106 Metal-Insulator Transition in a Pyrochlore-type Ruthenium Oxide, Hg<sub>2</sub>Ru<sub>2</sub>O<sub>7</sub>. *Journal of the Physical Society of Japan*, **2007**, 76, 043703 1.5 33
- 1105 Thermoelectric Properties of Delafossite-Type Oxide CuFe<sub>1-x</sub>Ni<sub>x</sub>O<sub>2</sub> (0 ≤ x ≤ 0.05). **2007**, 40, 1205-1209 32
- 1104 Synthesis and Characterization of Four-Layered Hexagonal (Sr<sub>1-x</sub>Ba<sub>x</sub>)MnO<sub>3</sub> (0.0 ≤ x ≤ 0.5). **2007**, 115, 77-80 4
- 1103 Neutron Diffraction Study on the Defect Structure of Ta-Substituted Zn<sub>2</sub>TiO<sub>4</sub> Oxide Ion Conductors. **2007**, 115, 780-785 7
- 1102 Preparation, Crystal Structure and High-Temperature Thermoelectric Properties of Double Perovskite-Type Rare-Earth Cobalt Ruthenium Oxides. **2007**, 115, 792-796 8
- 1101 Investigations of Electronic Structures and Photocatalytic Activities under Visible Light Irradiation of Lead Molybdate Replaced with Chromium(VI). **2007**, 80, 885-893 62
- 1100 Nanostructural evidence at the phase boundary of A- and C-type antiferromagnetic phases in Nd<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> crystals. **2007**, 19, 492201 5
- 1099 Synthesis of Double-Layer Perovskite Fluoride K<sub>3</sub>Cu<sub>2</sub>F<sub>7</sub> with Spin Gap and Orbital Order. *Journal of the Physical Society of Japan*, **2007**, 76, 044710 1.5 13
- 1098 Neutron-Scattering Study of the Localized Mode in  $\pi$ -Pyrochlore Superconductors AOs<sub>2</sub>O<sub>6</sub>. *Journal of the Physical Society of Japan*, **2007**, 76, 104603 1.5 27
- 1097 Non-Collinear Magnetic Structure of TbB<sub>4</sub>. *Journal of the Physical Society of Japan*, **2007**, 76, 015001 1.5 25

1096	Post-perovskite phase transition in CaRuO <sub>3</sub> . <b>2007</b> , 165, 127-134		63
1095	Dielectric relaxation properties of Pb <sub>1-x</sub> Sn <sub>x</sub> F <sub>2</sub> solid solutions prepared by mechanochemical milling. <b>2007</b> , 40, 6020-6025		19
1094	Crystal structure of a new compound (Sr <sub>0.47</sub> Ca <sub>0.53</sub> ) <sub>2</sub> Al. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 441, 115-118	5.7	2
1093	Stacking structures and electrode performances of rare earth-Mg-Ni-based alloys for advanced nickel-metal hydride battery. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 446-447, 620-624	5.7	95
1092	Thermodynamical stability and electronic structure of a perovskite-type hydride, NaMgH <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 446-447, 162-165	5.7	35
1091	Novel hydrides in Mg-TM systems synthesized by high pressure (TM=Zr, Nb, Hf and Ta). <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 446-447, 6-10	5.7	14
1090	Structure and properties of the CaFe <sub>2</sub> O <sub>4</sub> -type cobalt oxide CaCo <sub>2</sub> O <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 2550-2557	3.3	29
1089	Magnetic properties of bulk BiCrO <sub>3</sub> studied with dc and ac magnetization and specific heat. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 8746-51	5.1	32
1088	Apparent Diffusion Constant and Electrochemical Reaction in LiFe <sub>1-x</sub> Mn <sub>x</sub> PO <sub>4</sub> Olivine Cathodes. <b>2007</b> , 154, A1118		26
1087	Ferromagnetic cuprates CaCu <sub>3</sub> Ge <sub>4</sub> O <sub>12</sub> and CaCu <sub>3</sub> Sn <sub>4</sub> O <sub>12</sub> with A-site ordered perovskite structure. <b>2007</b> , 76,		61
1086	Low-temperature phase of the ZnSc approximant. <b>2007</b> , 87, 2887-2897		45
1085	High-Pressure Synthesis and Properties of Solid Solutions between BiMnO <sub>3</sub> and BiScO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2007</b> , 19, 1679-1689	9.6	27
1084	Zinc Germanium Oxynitride as a Photocatalyst for Overall Water Splitting under Visible Light. <b>2007</b> , 111, 1042-1048		239
1083	Neutron diffraction and BR study on the antiferromagnet BaCoO <sub>3</sub> . <b>2007</b> , 76,		21
1082	. <b>2007</b> ,		2
1081	Magnetic and Dielectric Properties of Tb <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 7171-7174	1.4	14
1080	Positional disorder and diffusion path of oxide ions in the yttria-doped ceria Ce <sub>0.93</sub> Y <sub>0.07</sub> O <sub>1.96</sub> . <b>2007</b> , 134, 369-76; discussion 399-419		33
1079	Crystal Structure of the High-Pressure IPhase of Mercury: A Novel Monoclinic Distortion of the Close-Packed Structure. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 023601	1.5	13



1078	Diffusion Path of Oxide Ions in an Oxide Ion Conductor $\text{La}_{0.64}(\text{Ti}_{0.92}\text{Nb}_{0.08})\text{O}_{2.99}$ with a Double Perovskite-Type Structure. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3260-3264	9.6	20
1077	Ln Dependence of the Large-Capacity Oxygen Storage/Release Property of Ln Oxyulfate/Oxyulfide Systems. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 954-960	9.6	57
1076	Reversible hydrogen storage property and structural analysis for face-centered cubic hydride $\text{Mg}_{0.82}\text{Zr}_{0.18}\text{H}_2$ prepared by gigapascal hydrogen pressure method. <b>2007</b> , 111, 14102-6		19
1075	New approximant crystals of decagonal $\text{BMgRu}$ quasicrystal. <b>2007</b> , 87, 2701-2706		4
1074	Magnetic and Ferroelectric Properties of $(\text{Bi}_{1-x}\text{La}_x)\text{FeO}_3$ . <b>2007</b> , 348, 33-37		11
1073	Effects of isovalent substitution in the manganese sublattice on magnetic, thermal, and structural properties of $\text{BiMnO}_3$ : $\text{BiMn}_{1-x}\text{M}_x\text{O}_3$ (M=Al, Sc, Cr, Fe, Ga; 0. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 5585-90	5.1	27
1072	Magnetic and dielectric properties of $\text{RFe}_2\text{O}_4$ , $\text{RFeMO}_4$ , and $\text{RGaCuO}_4$ (R=Yb and Lu, M=Co and Cu). <b>2007</b> , 76,		94
1071	Ab initio study of monoclinic iridium nitride as a high bulk modulus compound. <b>2007</b> , 75,		49
1070	Structural, Magnetic and Thermoelectric Properties of Delafossite-type Oxide, $\text{CuCr}_{1-x}\text{Mg}_x\text{O}_2$ (0 $\leq x$ $\leq$ 0.05). <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 1071-1075	1.4	78
1069	Structure and High Temperature Thermoelectric Properties of Delafossite-Type Oxide $\text{CuFe}_{1-x}\text{Ni}_x\text{O}_2$ (0 $\leq x$ $\leq$ 0.05). <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 5226-5229	1.4	45
1068	. <b>2007</b> ,		1
1067	Jahn-Teller distortion and magnetic transitions in perovskite $\text{RMnO}_3$ (R=Ho, Er, Tm, Yb, and Lu). <b>2007</b> , 75,		104
1066	PDF Analysis of $\text{Bi}_{0.9}\text{La}_{0.1}\text{TbxFeO}_3$ . <b>2007</b> , 355, 119-124		2
1065	High-Pressure Synthesis of Novel Hydride in Ca-TM Systems. <b>2007</b> , 26-28, 885-888		2
1064	Metal-Insulator Transition in Pyrochlore Iridates $\text{Ln}_2\text{Ir}_2\text{O}_7$ (Ln = Nd, Sm, and Eu). <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 043706	1.5	152
1063	Origin of the monoclinic-to-monoclinic phase transition and evidence for the centrosymmetric crystal structure of $\text{BiMnO}_3$ . <b>2007</b> , 129, 971-7		170
1062	Synthesis and Physical Property of Triangular Lattice Antiferromagnet $\text{InFe}_2\text{O}_4$ . <b>2007</b> , 54, 53-57		3
1061	Synthesis of Layered Compounds $\text{AFe}_6\text{-xMn}_x\text{O}_{11}$ (A=Ba,Sr) by High-Pressure Technique. <b>2007</b> , 54, 58-63		

1060	Lattice Distortion in the NiZnCu Ferrite Co-fired with Ag was Evaluated by the Synchrotron Radiation Source. <b>2007</b> , 54, 439-443		
1059	Nonmagnetic Ground State in Fully Filled PrxFe4Sb12 (x=1.0) Synthesized under High Pressure. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 103704	1.5	27
1058	Distribution of chromium among the octahedral sites in chromian epidote from Iratsu, central Shikoku, Japan. <b>2007</b> , 102, 240-254		5
1057	Diffuse Phase Transition and Anisotropic Evolution of Nanodomains in Nd0.2Sr0.8MnO3. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 103706	1.5	3
1056	A millimeter-wave absorber based on gallium-substituted epsilon-iron oxide nanomagnets. <b>2007</b> , 46, 8392-5		169
1055	A Millimeter-Wave Absorber Based on Gallium-Substituted Iron Oxide Nanomagnets. <b>2007</b> , 119, 8544-8547		11
1054	Synthesis, Crystal Structure, and Magnetic Properties of $\gamma$ -InxFe2-xO3 Nanorod-Shaped Magnets. <b>2007</b> , 17, 2278-2282		48
1053	Magnetic properties of the quasi-one-dimensional system BaMn2V 2O8. <b>2007</b> , 141, 22-24		27
1052	Pressure-induced phase transition of BaH2 : Post Ni2In phase. <b>2007</b> , 141, 69-72		34
1051	Characterization of the charge ordering state by maximum entropy method. <b>2007</b> , 141, 615-619		3
1050	Magnetic dilution in the frustrated ferromagnetic pyrochlore system, (Dy1-xLux)2Mn2O7. <b>2007</b> , 144, 98-102		3
1049	Carbide precipitation in austenitic stainless steel carburized at low temperature. <b>2007</b> , 55, 1895-1906		85
1048	Synthesis and characteristic properties of Rb-mordenite. <b>2007</b> , 101, 57-65		13
1047	Structural and electrochemical properties of Li0.44+xMn1-xTiO2 as a novel 4V positive electrode material. <b>2007</b> , 174, 1218-1223		15
1046	Structural modifications caused by electrochemical lithium extraction for two types of layered LiVO2 (R3m). <b>2007</b> , 174, 469-472		18
1045	Neutron diffraction and X-ray absorption study of Ag5Pb2O6. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 377-381	3.3	7
1044	Metal valences in electron-doped (Sr,Lu)2FeTaO6 double perovskite: A 57Fe Mössbauer spectroscopy study. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 440-445	3.3	4
1043	Structural modulation in K2V3O8. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 812-817	3.3	9

- <sup>1042</sup> Synthesis, structure and magnetic properties of new vanadate PbCo<sub>2</sub>V<sub>2</sub>O<sub>8</sub>. *Journal of Solid State Chemistry*, **2007**, 180, 1770-1774 3-3 13
- <sup>1041</sup> Characterization of Bi<sub>5</sub>Nb<sub>3</sub>O<sub>15</sub> by refinement of neutron diffraction pattern, acid treatment and reaction of the acid-treated product with n-alkylamines. *Journal of Solid State Chemistry*, **2007**, 180, 2517-2524 3-3 33
- <sup>1040</sup> Synthesis of zirconium titanate with an ordered M-fergusonite (beta) structure. *Journal of Solid State Chemistry*, **2007**, 180, 2885-2895 3-3 7
- <sup>1039</sup> Magnetic and Mössbauer studies of 5% Fe-doped BiMnO<sub>3</sub>. *Journal of Solid State Chemistry*, **2007**, 180, 3401-3407 3-3 11
- <sup>1038</sup> Is there 1/8-anomaly of T<sub>c</sub> in . **2007**, 463-465, 56-59 2
- <sup>1037</sup> Single crystal growth of A-site deficient superconductor Ca<sub>2-x</sub>CuO<sub>2</sub>Cl<sub>2</sub>. **2007**, 460-462, 420-421 3
- <sup>1036</sup> High-pressure synthesis and crystal structure of FeMo<sub>2</sub>N. **2007**, 460-462, 651-652 19
- <sup>1035</sup> Electrical and magnetic properties of Kondo semiconductor. **2007**, 310, 260-262 26
- <sup>1034</sup> Structural properties of a mixed valence compound. **2007**, 310, 793-795 9
- <sup>1033</sup> Structural studies of the pyrochlore-related spin-1/2 system Ag<sub>2</sub>Cu<sub>2</sub>O<sub>3</sub>. **2007**, 310, e387-e388
- <sup>1032</sup> Ferromagnetic exchange interaction and Curie temperature of Mg<sub>1+x</sub>Fe<sub>2-x</sub>Ti<sub>x</sub>O<sub>4</sub> (x=0-0.5) system. **2007**, 310, 1835-1837 8
- <sup>1031</sup> Crystal and magnetic structures of Y<sub>2</sub>CrS<sub>4</sub>. **2007**, 68, 2133-2137 8
- <sup>1030</sup> Antiferromagnetic spin structure in BaCoO<sub>3</sub> below 15 K determined by neutron and μSR. **2007**, 68, 2162-2165 2
- <sup>1029</sup> Crystal structure and microwave dielectric properties of SrTiO<sub>3</sub> doped LaAlO<sub>3</sub> single crystal grown by FZ. **2007**, 27, 2861-2864 7
- <sup>1028</sup> Effect of Ni substitution on the microwave dielectric properties of cordierite. **2007**, 27, 3045-3048 61
- <sup>1027</sup> Crystal structural refinement of corundum-structured A<sub>4</sub>M<sub>2</sub>O<sub>9</sub> (A = Co and Mg, M = Nb and Ta) microwave dielectric ceramics by high-temperature X-ray powder diffraction. **2007**, 27, 2977-2981 57
- <sup>1026</sup> Effects of Mn doping on the polarization and leakage current properties in Bi<sub>4</sub>Ti<sub>3</sub>O<sub>12</sub> single crystals. **2007**, 27, 4081-4084 21
- <sup>1025</sup> Preparation of COF<sub>2</sub> using CO<sub>2</sub> and F<sub>2</sub> in the electrochemical cell with PbSnF<sub>4</sub> as a solid electrolyte. **2007**, 128, 958-964 3

1024	Growth and characterization of millimeter-sized GaN crystals by carbothermal reduction and nitridation of Ga <sub>2</sub> O <sub>3</sub> . <b>2007</b> , 299, 22-27	16
1023	Synthesis of lanthanum oxyhydroxide single crystals using an electrochemical method. <b>2007</b> , 304, 448-451	16
1022	Infinite-layer iron oxide with a square-planar coordination. <b>2007</b> , 450, 1062-5	370
1021	Determination of Precise Unit-Cell Parameters of the Tricalcium Phosphate Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> Through High-Resolution Synchrotron Powder Diffraction. <b>2007</b> , 90, 272-274	14
1020	Structure Analysis of Molten BaTe Alloys Using Electrostatic Levitation Technique Combined With High-Energy X-Ray Diffraction. <b>2007</b> , 90, 738-741	8
1019	Structural Disorder and Intracrystalline Microtexture of $\text{Pb}(\text{Ba}_{0.24}\text{Ca}_{0.76})_2\text{SiO}_4$ . <b>2007</b> , 90, 925-931	2
1018	Preparation of 200 nm BaTiO <sub>3</sub> Particles with their Tetragonality 1.010 Via a Solid-State Reaction Preceded by Agglomeration-Free Mechanical Activation. <b>2007</b> , 90, 809-814	28
1017	Quaternary Compounds Prepared in a CaO $\cdot$ 2O <sub>3</sub> $\cdot$ SnO <sub>2</sub> System. <b>2007</b> , 90, 1917-1920	7
1016	Electrical Properties of Superlattice-Structured Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /PbBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> Single Crystals. <b>2007</b> , 90, 2814-2818	3
1015	Crystal Structure and Thermoelectric Properties of YAl <sub>3</sub> C <sub>3</sub> . <b>2007</b> , 90, 3299-3302	20
1014	Enhancement of Ionic Conductivity of Apatite-Type Lanthanum Silicates Doped With Cations. <b>2007</b> , 90, 3099-3105	86
1013	Thermoelectric Properties of Ruddlesden-Popper Phase n-Type Semiconducting Oxides: La-, Nd-, and Nb-Doped Sr <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub> . <b>2007</b> , 4, 326-331	18
1012	Effects of Mg content on the crystal structures and hydrogenation behavior of (Ca <sub>1-x</sub> Mg <sub>x</sub> )Al <sub>2</sub> alloys. <b>2007</b> , 104, 373-376	2
1011	Synthesis and characterization of K <sub>2</sub> NiF <sub>4</sub> -type CaLnCoO <sub>4</sub> (Ln = Sm and Gd). <b>2007</b> , 42, 649-656	14
1010	Effect of the Mn <sup>3+</sup> ion on electrical and magnetic properties of orthorhombic perovskite-type Ca(Mn <sub>1-x</sub> Ti <sub>x</sub> )O <sub>3</sub> . <b>2007</b> , 42, 1069-1076	16
1009	Composition range and hydrogen-induced decomposition of Ca <sub>4</sub> Al <sub>3</sub> Mg. <b>2007</b> , 61, 2707-2710	1
1008	High-pressure synthesis of a new copper thioborate, CuBS <sub>2</sub> . <b>2007</b> , 61, 2382-2384	8
1007	Hydrogen storage capability of MgNi <sub>2</sub> processed by high pressure torsion. <b>2007</b> , 57, 751-753	90

- 1006 Behavior of  $\text{Co}^{4+}$  ion in  $\text{K}_2\text{NiF}_4$ -type  $(\text{Ca}_{1-x}\text{Sm}_x)\text{CoO}_4$ . **2007**, 9, 869-873 5
- 1005 Oxygen-deficiency effect on properties for the ordered-perovskite cuprate,  $\text{Sr}_2\text{Cu}(\text{Re}_{0.69}\text{Ca}_{0.31})\text{O}_y$  ( $y=6.0\text{--}6.4$ ). **2007**, 312, 91-98 5
- 1004 Magnetic origin and oxydation states of cations in the TC~440K ferrimagnet  $\text{Sr}_2\text{Cu}(\text{Re}_{0.69}\text{Ca}_{0.31})\text{O}_6$ . **2007**, 312, 131-139 6
- 1003 Phase structures and electrochemical properties of . *International Journal of Hydrogen Energy*, **2007**, 32, 600-605 6.7 5
- 1002 Aluminum substitution mechanisms in perovskite-type  $\text{MgSiO}_3$ : an investigation by Rietveld analysis. **2007**, 34, 257-267 29
- 1001 High-affinity integration of hydroxyapatite nanoparticles with chemically modified silk fibroin. **2007**, 9, 919-929 19
- 1000 Location of deuterium atoms in  $\text{BaSn}_{0.5}\text{In}_{0.5}\text{O}_{2.75+\delta}$  at 77–73 K by neutron powder diffraction. **2007**, 178, 607-613 9
- 999 Doping effect on crystal structure and conduction property of fast oxide ion conductor  $\text{LaGaO}_3$ -based perovskite. **2007**, 68, 758-764 22
- 998 Neutron and X-ray diffraction studies on the  $\text{Tb}_2\text{Ni}_3\text{Si}_5$  single crystal. **2007**, 68, 2095-2098
- 997 Effect of Bi oxide surface treatment on 5V spinel  $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{Ti}_x\text{O}_4$ . **2007**, 174, 359-365 71
- 996 Improvement of rate capability in rechargeable lithium-ion batteries using oxide-based active materials/carbon composite cathodes. **2007**, 174, 1063-1068 7
- 995 Systematic study of photoluminescence upon band gap excitation in perovskite-type titanates  $\text{R}_1/2\text{Na}_1/2\text{TiO}_3\text{:Pr}$  ( $\text{R}=\text{La, Gd, Lu, and Y}$ ). *Journal of Solid State Chemistry*, **2007**, 180, 1678-1685 3.3 32
- 994 Crystal structure and structural disorder of  $(\text{Ba}_{0.65}\text{Ca}_{0.35})_2\text{SiO}_4$ . *Journal of Solid State Chemistry*, **2007**, 180, 2305-2309 3.3 24
- 993 Influence of molybdenum on the microstructure and wear resistance of nickel-based alloy coating obtained by plasma transferred arc process. **2007**, 28, 1982-1987 29
- 992 Synthesis and magnetic study on  $\text{Mg}^{2+}$ -substituted  $\text{LiMn}$  spinel oxides. **2008**, 69, 2349-2355 12
- 991 Preparation, crystal structure, and photoluminescence of  $\text{Ca}_2\text{SnO}_4\text{:Eu}^{3+}, \text{Y}^{3+}$ . *Journal of Solid State Chemistry*, **2008**, 181, 2559-2564 3.3 34
- 990 Structural phase evolution and superconductivity in the non-stoichiometric intermetallic compound niobium diboride. **2008**, 468, 411-416 17
- 989 High-pressure synthesis of novel compounds in an  $\text{MgNi}$  system. **2008**, 33, 221-225 45

988	Particle size effect on the new phase transition in a tridymite compound, CsCoPO <sub>4</sub> . <b>2008</b> , 92, 451-455	7
987	Low Temperature X-ray Diffraction Study of ZnCr <sub>2</sub> O <sub>4</sub> and Ni <sub>0.5</sub> Zn <sub>0.5</sub> Cr <sub>2</sub> O <sub>4</sub> . <b>2008</b> , 151, 1193-1204	9
986	Structure and Thermophysical Properties of Molten BaGe Using Electrostatic Levitation Technique. <b>2008</b> , 29, 2015-2024	3
985	Morphology and structure of rare earth borate (REBO <sub>3</sub> ) synthesized by glycothermal reaction. <b>2008</b> , 43, 2276-2285	30
984	Evaluation of additive effects and homogeneity of the starting mixture on the nuclei-growth processes of barium titanate via a solid state route. <b>2008</b> , 43, 6182-6192	9
983	CaPtO <sub>3</sub> as a novel post-perovskite oxide. <b>2008</b> , 35, 189-195	47
982	Porous LiFePO <sub>4</sub> /NiP Composite nanospheres as the cathode materials in rechargeable lithium-ion batteries. <b>2008</b> , 1, 242-248	28
981	Phase structure and electrochemical properties of laser sintered La <sub>2</sub> MgNi <sub>9</sub> hydrogen storage electrode alloys. <b>2008</b> , 26, 598-603	4
980	Dissociation behavior of clathrate hydrates to ice and dependence on guest molecules. <b>2008</b> , 47, 1276-9	114
979	A multi-dimensional microporous silicate that is isomorphous to zeolite MCM-68. <b>2008</b> , 47, 1042-6	30
978	Spin-ladder iron oxide: Sr <sub>3</sub> Fe <sub>2</sub> O <sub>5</sub> . <b>2008</b> , 47, 5740-5	92
977	A perovskite containing quadrivalent iron as a charge-disproportionated ferrimagnet. <b>2008</b> , 47, 7032-5	123
976	Dissociation Behavior of Clathrate Hydrates to Ice and Dependence on Guest Molecules. <b>2008</b> , 120, 1296-1299	20
975	A Multi-Dimensional Microporous Silicate That Is Isomorphous to Zeolite MCM-68. <b>2008</b> , 120, 1058-1062	5
974	Spin-Ladder Iron Oxide: Sr <sub>3</sub> Fe <sub>2</sub> O <sub>5</sub> . <b>2008</b> , 120, 5824-5829	14
973	A Perovskite Containing Quadrivalent Iron as a Charge-Disproportionated Ferrimagnet. <b>2008</b> , 120, 7140-7143	12
972	Neutron diffraction study of Nd-substituted FeSr <sub>2</sub> YCu <sub>2</sub> O <sub>6</sub> + $\delta$ magnetic superconductor. <b>2008</b> , 468, 1174-1177	2
971	Phase purity and superconductivity of ruthenocuprates Ru <sub>y</sub> Sr <sub>2</sub> Gd <sub>1.5</sub> Ce <sub>0.5</sub> Cu <sub>2</sub> O <sub>10</sub> - $\delta$ <b>2008</b> , 468, 2392-2398	8

- 970 Preparation and crystal structure of RUB-18 modified for synthesis of zeolite RWR by topotactic conversion. **2008**, 110, 488-500 45
- 969 Substitution of neodymium in the  $\text{FeSr}_2\text{YCu}_2\text{O}_{6+x}$  superconductor. **2008**, 403, 1154-1155
- 968 Crystal structure of  $\text{Ca}_{12}\text{Al}_{14}\text{O}_{32}\text{Cl}_2$  and luminescence properties of  $\text{Ca}_{12}\text{Al}_{14}\text{O}_{32}\text{Cl}_2:\text{Eu}^{2+}$ . *Journal of Solid State Chemistry*, **2008**, 181, 51-55 3:3 25
- 967 Syntheses, crystal structures and Si solubilities of new layered carbides  $\text{Zr}_2\text{Al}_4\text{C}_5$  and  $\text{Zr}_3\text{Al}_4\text{C}_6$ . *Journal of Solid State Chemistry*, **2008**, 181, 2864-2868 3:3 40
- 966 Effect of oxygen nonstoichiometry on electrical conduction property of  $\text{BaBiO}_3$ . **2008**, 69, 284-288 6
- 965 Synthesis and crystallographic studies of garnet-type  $\text{AgCa}_2\text{Mn}_2\text{V}_3\text{O}_{12}$  and  $\text{NaPb}_2\text{Mn}_2\text{V}_3\text{O}_{12}$ . **2008**, 69, 1740-1746 6
- 964 Crystal structure of  $\text{BaCa}_2\text{MgSi}_2\text{O}_8$  and the photoluminescent properties activated by  $\text{Eu}^{2+}$ . **2008**, 128, 1507-1514 35
- 963 Large coercive field in magnetic-field oriented  $\gamma\text{-Fe}_2\text{O}_3$  nanorods. **2008**, 458, 333-336 47
- 962 Fabrication and thermoelectric properties of heavily rare-earth metal-doped  $\text{SrO}(\text{SrTiO}_3)_n$  ( $n = 1, 2$ ) ceramics. **2008**, 34, 849-852 37
- 961 Spontaneous strain in high-temperature superconductor  $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ . **2008**, 145, 246-249 6
- 960 Magnetic properties of a structurally four-spin system  $\text{SrCo}_2(\text{PO}_4)_2$ . **2008**, 147, 24-26 11
- 959 Effect of Pb-Pb correlation in diffuse scattering of powder  $\text{PbF}_2$ . **2008**, 179, 776-779 3
- 958 Crystal structures, structural disorders and diffusion paths of ionic conductors from diffraction experiments. **2008**, 179, 797-803 46
- 957 Neutron diffraction study of the perovskite-type lanthanum cobaltite  $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$  at 1260 °C and 394 °C. **2008**, 178, 1939-1943 34
- 956 Electronic and magnetic nature of shandite-type  $\text{A}_2\text{Co}_3\text{S}_2$  ( $\text{A}=\text{Sn}, \text{In}$ ). **2008**, 403, 1356-1358 22
- 955 Crystal structure of NaCl-type transition metal monocarbides MC ( $\text{M}=\text{V}, \text{Ti}, \text{Nb}, \text{Ta}, \text{Hf}, \text{Zr}$ ), a neutron powder diffraction study. **2008**, 148, 69-72 75
- 954 Syntheses and structural properties of four Rb-aluminosilicate zeolites. **2008**, 114, 495-506 11
- 953 Degradation of  $\text{C}_2\text{H}_2$  with modified- $\text{TiO}_2$  photocatalysts under visible light irradiation. **2008**, 284, 127-133 32



952	Crystal structure of martensite and intermediate phases in Ni <sub>2</sub> MnGa studied by neutron diffraction. <b>2008</b> , 158, 87-92		17
951	Analysis of Structures and Order Parameters in Antiferroelectric PbHfO <sub>3</sub> Using Neutron Diffraction. <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 064601	1.5	12
950	Characteristics of a Nonstoichiometric Gd <sub>3</sub> +(Al,Ga) <sub>5</sub> O <sub>12</sub> :Ce Garnet Scintillator. <b>2008</b> , 91, 456-462		63
949	Synchrotron X-Ray Study of the Crystal Structure and Hydrothermal Degradation of Yttria-Stabilized Tetragonal Zirconia Polycrystal. <b>2008</b> , 91, 1634-1639		13
948	Synthesis and Crystal Structure of a New Layered Carbide [Zr <sub>1.97</sub> Y <sub>0.03</sub> ]Al <sub>4</sub> C <sub>5</sub> . <b>2008</b> , 91, 1342-1345		8
947	Giant magneto-elastic coupling in multiferroic hexagonal manganites. <b>2008</b> , 451, 805-8		314
946	Preparation of magnetic coatings from strontium hexaferrite on tin and cardboard by cold rolling. <b>2008</b> , 44, 1257-1260		1
945	Interstitial oxide ion conductivity in the layered tetrahedral network melilite structure. <b>2008</b> , 7, 498-504		211
944	Experimental visualization of lithium diffusion in Li <sub>x</sub> FePO <sub>4</sub> . <b>2008</b> , 7, 707-11		596
943	Giant negative thermal expansion in magnetic nanocrystals. <b>2008</b> , 3, 724-6		124
942	Crystal structure and superconductivity of rubidium tungsten bronzes Rb <sub>x</sub> WO <sub>3</sub> prepared by a hybrid microwave method. <b>2008</b> , 43, 779-786		10
941	Crystal structures and properties of BiMn <sub>1-x</sub> Al <sub>x</sub> O <sub>3</sub> with x = 0.03 and 0.1. <b>2008</b> , 43, 3179-3187		3
940	Coexistence of layered and cubic rocksalt structures with a common oxygen sublattice in Li <sub>1.2</sub> Mn <sub>0.4</sub> Fe <sub>0.4</sub> O <sub>2</sub> particles: A transmission electron microscopy study. <b>2008</b> , 103, 104911		36
939	Partial Disordered Phase of Ising Spin System in Distorted Triangular Lattice RbCoBr <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 104703	1.5	15
938	Highly Swollen Layered Nickel Oxide with a Trilayer Hydrate Structure. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 479-485	9.6	37
937	Crystal Structure and Magnetic Properties of CoZn(TeO <sub>3</sub> )Br <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 084707	1.5	2
936	Magnetic and dielectric properties of InFe <sub>2</sub> O <sub>4</sub> , InFeCuO <sub>4</sub> , and InGaCuO <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 6493-501	5.1	22
935	Effect of Structural Parameters on Superconductivity in Fluorine-Free LnFeAsO <sub>1-y</sub> (Ln = La, Nd). <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 083704	1.5	542

- 934 Alpha-CuV<sub>2</sub>O<sub>6</sub> nanowires: hydrothermal synthesis and primary lithium battery application. **2008**, 130, 5361-7 250
- 933 Solid State Syntheses of  $12\text{SrO} \cdot 7\text{Al}_2\text{O}_3$  and Formation of High Density Oxygen Radical Anions,  $\text{O}_2^-$  and  $\text{O}_2^{2-}$  *Chemistry of Materials*, **2008**, 20, 5987-5996 9.6 27
- 932 Crystal Structures, Optoelectronic Properties, and Electronic Structures of Layered Oxychalcogenides  $\text{MCuOCh}$  ( $\text{M} = \text{Bi, La; Ch} = \text{S, Se, Te}$ ): Effects of Electronic Configurations of  $\text{M}^{3+}$  Ions. *Chemistry of Materials*, **2008**, 20, 326-334 9.6 227
- 931 Structural and Physical Properties of Heavily Doped Yttrium Vanadate:  $\text{Y}_{0.6}\text{Cd}_{0.4}\text{VO}_3$ . *Chemistry of Materials*, **2008**, 20, 5246-5252 9.6 1
- 930 Phase Equilibrium and Crystallographic Structures of Clathrate Hydrates Formed in Methane + 2,2-Dimethylpentane + Water System. **2008**, 53, 2820-2823 8
- 929 Preparation of magneto-resistive  $\text{Sr}_2\text{FeMoO}_6$  through molybdic acid gelation. *Journal of Alloys and Compounds*, **2008**, 449, 93-95 5.7 1
- 928 Structure and magnetic properties of ternary potassium lanthanide oxides  $\text{KLnO}_2$  ( $\text{Ln} = \text{Y, Nd, Sm, Eu}$ ). *Journal of Alloys and Compounds*, **2008**, 453, 282-287 5.7 14
- 927 Synthesis and structural properties of  $n=1$  Ruddlesden-Popper manganites  $\text{Nd}_{1-x}\text{Ca}_{1+x}\text{MnO}_4$ . *Journal of Alloys and Compounds*, **2008**, 453, 247-252 5.7 6
- 926 Dehydrogenation reaction of  $\text{Li-Mg-Ni-H}$  systems studied by in situ synchrotron powder X-ray diffraction and powder neutron diffraction. *Journal of Alloys and Compounds*, **2008**, 457, 362-367 5.7 36
- 925 Defect structure of rare earth aluminium garnets obtained by the glycothermal method. *Journal of Alloys and Compounds*, **2008**, 451, 309-313 5.7 16
- 924 X-ray structural study on the different redox behavior of La and Pr oxysulfates/oxysulfides. *Journal of Alloys and Compounds*, **2008**, 451, 338-340 5.7 23
- 923 Effect of rare earth on lattice size and equilibrium hydrogen pressure for AB<sub>5</sub>-type  $\text{MmNi}_{3.55}\text{Co}_{0.75}\text{Al}_{0.30}\text{Mn}_{0.40}$ . *Journal of Alloys and Compounds*, **2008**, 459, 215-219 5.7 8
- 922 Reactions in the  $\text{SrH}_2\text{-AlH}_3$  system. *Journal of Alloys and Compounds*, **2008**, 460, 272-275 5.7 14
- 921 High-pressure synthesis and structure of new filled skutterudite compounds with Ge-substituted host network;  $\text{LnRh}_4\text{Sb}_9\text{Ge}_3$ ,  $\text{Ln} = \text{La, Ce, Pr, and Nd}$ . *Journal of Alloys and Compounds*, **2008**, 461, 547-550 5.7 2
- 920 Preparation and thermal conductivities of filled tetrahedral  $\text{Li}_x\text{In}_{1-x}\text{Zn}_x\text{Sb}$  and the related compounds. *Journal of Alloys and Compounds*, **2008**, 463, 89-91 5.7 3
- 919 Crystal structure and magnetic properties of the new ternary actinide compounds  $\text{AnPd}_5\text{Al}_2$  ( $\text{An} = \text{U, Np}$ ). *Journal of Alloys and Compounds*, **2008**, 464, 47-50 5.7 18
- 918 Giant Uniaxial Anisotropy in the Magnetic and Transport Properties of  $\text{CePd}_5\text{Al}_2$ . *Journal of the Physical Society of Japan*, **2008**, 77, 074708 1.5 19
- 917 LATTICE CONSTANTS AND PHASE TRANSITION OF  $\text{Pb}(\text{Hf}_x\text{Ti}_{1-x})\text{O}_3$ . **2008**, 100, 123-131 3

916	Structural and Magnetic Properties of A-Site-Ordered Perovskites $\text{ACu}_3\text{Sn}_4\text{O}_{12}$ with $\text{A} = \text{Ca}^{2+}$ , $\text{Sr}^{2+}$ , and $\text{Pb}^{2+}$ . <i>Chemistry of Materials</i> , <b>2008</b> , 20, 7077-7080	9.6	15
915	Neutron Powder Diffraction Study on the Crystal and Magnetic Structures of $\text{BiCrO}_3$ . <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3765-3769	9.6	56
914	Evolution of electronic states in $\text{RCoO}_3$ (R=rare earth): Heat capacity measurements. <b>2008</b> , 77,		58
913	Effect of Doping on Thermoelectric Properties of Delafossite-Type Oxide $\text{CuCrO}_2$ . <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 59-63	1.4	46
912	Microwave dielectric properties of $(\text{A}^{2+}(1/3)\text{B}^{5+}(2/3))_0.5\text{Ti}_0(0.5)\text{O}_2$ ( $\text{A}^{2+} = \text{Zn}$ , $\text{Mg}$ , $\text{B}^{5+} = \text{Nb}$ , $\text{Ta}$ ) ceramics. <b>2008</b> , 55, 1069-74		2
911	Structural disorder in the cubic $\text{Ce}_{0.5}\text{Zr}_{0.5}\text{O}_2$ catalyst: A possible factor of the high catalytic activity. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 101921	3.4	23
910	Pseudo-micropores formed by one-dimensional framework with hydrogen bonding in $\text{CsHSi}_2\text{O}_5$ observed by synchrotron powder diffraction and solid-state MAS NMR. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 2108	3.6	1
909	High-pressure synthesis, structure, and characterization of a post-perovskite $\text{CaPtO}_3$ with $\text{CaIrO}_3$ -type structure. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 1868-70	5.1	38
908	Synthesis, Crystal Structures, and Magnetic Properties of New 12L-Perovskites $\text{Ba}_4\text{LnRu}_3\text{O}_{12}$ (Ln = Lanthanides). <i>Chemistry of Materials</i> , <b>2008</b> , 20, 4512-4518	9.6	17
907	Stabilization of tetra- and pentavalent Fe ions in Fe-substituted $\text{Li}_2\text{MnO}_3$ with layered rock-salt structure. <b>2008</b> , 104, 043909		17
906	2-Phenylimidazole $\text{PdCl}_2$ and 2-Phenylimidazoline $\text{PdCl}_2$ Complexes: Single-Crystal and Powder X-ray Diffractometry, $^1\text{H}$ NMR Spectra, and Comparison of Catalytic Activities in Coupling Reactions <b>2008</b> , 27, 3748-3752		35
905	Structural Features of $\text{Ge}_1\text{Sb}_4\text{Te}_7$ , an Intermetallic Compound in the $\text{GeTe}$ - $\text{Sb}_2\text{Te}_3$ Homologous Series. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 5750-5755	9.6	20
904	Enhancement Effect of $\text{LiAlH}_4$ Addition on Reversible Hydrogen Storage Property for the Face-Centered Cubic Hydride $\text{Mg}_7\text{TiH}_{16}$ Prepared by a Gigapascal Hydrogen Pressure Method. <b>2008</b> , 112, 12540-12544		8
903	Rhombohedral $\leftrightarrow$ Tetragonal Phase Boundary with High Curie Temperature in $(1-x)\text{BiCoO}_3$ $\leftrightarrow$ $\text{BiFeO}_3$ Solid Solution. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 7579-7581	1.4	83
902	Crystal Structural Characterization and Microwave Dielectric Properties of $\text{Ca}(\text{Ta}_{2-x}\text{Nb}_x)\text{O}_6$ Ceramics. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 7716-7720	1.4	9
901	Phase Equilibrium for Structure II Hydrates Formed with Methylfluoride Coexisting with Cyclopentane, Fluorocyclopentane, Cyclopentene, or Tetrahydropyran. <b>2008</b> , 53, 531-534		17
900	Charge and Magnetic Orderings in the Triangular-Lattice Antiferromagnet $\text{InFe}_2\text{O}_4$ . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 064803	1.5	12
899	Structural Analysis by Synchrotron XRD and XAFS for Manganese-Substituted $\beta$ - and $\gamma$ -Type Nickel Hydroxide Electrode. <b>2008</b> , 155, A936		25

898	Two magnetic orderings and a spin-flop transition in spin-1 system $\text{SrNi}_2(\text{PO}_4)_2$ . <b>2008</b> , 78,	12
897	A polar oxide $\text{ZnSnO}_3$ with a $\text{LiNbO}_3$ -type structure. <b>2008</b> , 130, 6704-5	236
896	Defect Control and Lithium-Ion Conducting Properties of Layered Perovskite Oxides $\text{Li}_2\text{SrTa}_2\text{O}_7$ . <b>2008</b> , 388, 69-72	6
895	Synthesis and Thermoelectric Properties of Silicon Clathrates $\text{Sr}_8\text{Al}_x\text{Ga}_{16-x}\text{Si}_{30}$ with the Type-I and Type-VIII Structures. <i>Applied Physics Express</i> , <b>2008</b> , 1, 031201	2.4 37
894	Local structure analysis of Ca in $\text{Ba}_{1-x}\text{Ca}_x\text{TiO}_3$ ceramics. <b>2008</b> ,	1
893	Competition of Magnetic and Quadrupolar Order Parameters in $\text{HoB}_4$ . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 044709	1.5 18
892	Preparation of $\text{NiS}_2$ Using Spark-Plasma-Sintering Process and Its Electrochemical Properties. <b>2008</b> , 155, A679	34
891	Metallic Behavior in A-Site-Ordered Perovskites $\text{ACu}_3\text{V}_4\text{O}_{12}$ with $A = \text{Na}^+$ , $\text{Ca}^{2+}$ , and $\text{Y}^{3+}$ . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 064705	1.5 36
890	Electron density topology of cubic structure I Xe clathrate hydrate at high pressure. <b>2008</b> , 129, 244507	10
889	Neutron Diffraction and Isotropic Volume Expansion Caused by Deuterium Absorption into $\text{La}(\text{Fe}_{0.88}\text{Si}_{0.12})_3$ . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 074722	1.5 26
888	Local Structure of $\text{BiFeO}_3/\text{BaTiO}_3$ Mixture. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 7590-7594	1.4 22
887	Unusual Ferromagnetic-to-Antiferromagnetic-to-Ferromagnetic Transitions in $\text{Cu}^{2+}$ ( $S = 1/2$ ) Cubic Spin Lattice of A-Site Ordered Perovskites. <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 113702	1.5 33
886	Perovskite-type hydrides Synthesis, structures and properties. <b>2008</b> , 99, 471-479	17
885	Preparation of Tb-Doped $\text{Y}_2\text{SiO}_5$ Phosphor by Spray Pyrolysis Using Two-Fluid Nozzle Spray Generator. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 167-172	1.4 2
884	Magnetic and Dielectric Properties of $\text{HoFe}_2\text{O}_4$ and $\text{R}_{1-x}\text{R}'_x\text{Fe}_2\text{O}_4$ (R, R': Rare Earths). <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 7599-7602	1.4 7
883	Pressure-induced melting of charge order in $\text{Eu}_4\text{As}_3$ without structural change. <b>2008</b> , 20, 415217	
882	Transport properties in normal-metal $\text{Bi}_2\text{Pd}_3\text{S}_2$ and superconducting $\text{Bi}_2\text{Pd}_3\text{Se}_2$ . <b>2008</b> , 78,	14
881	Pressure-induced unconventional superconductivity in the heavy-fermion antiferromagnet $\text{CeIn}_3$ : An $^{115}\text{NQR}$ study under pressure. <b>2008</b> , 77,	28

880	Anisotropic lattice behavior in elasticoluminescent material SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> . <i>Applied Physics Letters</i> , <b>2008</b> , 92, 101909	3.4	20
879	Structural characteristics of GeTe-rich GeTe <sub>1-x</sub> B <sub>2</sub> Te <sub>3</sub> pseudobinary metastable crystals. <b>2008</b> , 103, 093511		91
878	Ferromagnetism of Ca <sub>1-x</sub> Sr <sub>x</sub> Ru <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> . <b>2008</b> , 103, 07C906		5
877	Structure and electronic properties of Mg-doped $\beta$ -rhombohedral boron constructed from icosahedral clusters. <b>2008</b> , 77,		31
876	Giant strain in lead-free (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -based single crystals. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 182905	3.4	111
875	Defect structure of Ta- and Al- doped Zn <sub>2</sub> TiO <sub>4</sub> showing oxide ion conduction via cation vacancy. <b>2008</b> , 116, 525-529		5
874	Dielectric properties of MgB <sub>2</sub> O <sub>6</sub> (B <sup>5+</sup> =Nb, Ta, Sb) at microwave frequencies. <b>2008</b> , 116, 545-549		10
873	Reversible Single Crystal-to-Amorphous Phase Transition upon Dehydration/Rehydration and Associated Magnetism in [MnII(enH)(H <sub>2</sub> O)][CrIII(CN) <sub>6</sub> ]-H <sub>2</sub> O. <b>2008</b> , 37, 504-505		10
872	Magnetic Field Influence on the Crystal Structure of 2,2',6,6'-Terpyridine. <b>2008</b> , 34, 383-387		9
871	Thermoelectric properties of double-perovskite oxide Sr <sub>2-x</sub> M <sub>x</sub> FeMoO <sub>6</sub> (M = Ba, La). <b>2008</b> , 116, 1278-1282		36
870	Microwave dielectric properties of (Zn <sub>1/3</sub> Ta <sub>2/3</sub> ) <sub>0.5</sub> (Ti <sub>1-x</sub> Sn <sub>x</sub> ) <sub>0.5</sub> O <sub>2</sub> ceramics. <b>2008</b> , 116, 619-623		2
869	Phase Transformation in the Charge-Discharge Process and the Structural Analysis by Synchrotron XAFS and XRD for Nickel Hydroxide Electrode. <b>2008</b> , 76, 802-807		7
868	Temperature Dependence of Crystal Structure of the T <sub>c</sub> = 51 K Superconductor NdFeAsO <sub>1-y</sub> (1-y= 0.85). <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 134-135	1.5	2
867	Relationship Between Crystal Structure and Superconductivity in LnFeAsO <sub>1-y</sub> (Ln = Lanthanide). <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 44-46	1.5	25
866	Rare-Earth-Dependent Magnetic Anisotropy in REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> . <i>Applied Physics Express</i> , <b>2008</b> , 1, 031701	2.4	21
865	Crystal structure of sibirskite (CaHBO <sub>3</sub> ) by Monte Carlo simulation and Rietveld refinement. <b>2008</b> , 103, 156-160		2
864	Search of Long-Range Magnetic Ordering in Superconducting Five-Layered Cuprate. <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 073706	1.5	4
863	Sm-B bond Length in Mixed-Valence System of SmOs <sub>4</sub> Sb <sub>12</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2008</b> , 77, 073601	1.5	18

862	Experimental Visualization of Lithium Diffusion in $\text{LiFePO}_4$ . <i>Nihon Kessho Gakkaishi</i> , <b>2009</b> , 51, 175-181	o	3
861	Impact of orbital degrees of freedom on geometrical frustration in the kagome-like magnet $\text{SrVxGa}_{12-x}\text{O}_{19}$ . <b>2009</b> , 79,		9
860	Thermoelectric properties of electron doped $\text{SrO}(\text{SrTiO}_3)_n$ ( $n=1,2$ ) ceramics. <b>2009</b> , 105, 103701		65
859	Continuous metal-insulator transition of the antiferromagnetic perovskite $\text{NaOsO}_3$ . <b>2009</b> , 80,		87
858	Superconducting properties of the oxygen-deficient iron oxyarsenide $\text{TbFeAsO}_{1-x}$ from underdoped to overdoped compositions. <b>2009</b> , 80,		11
857	High-pressure phase transitions in $\text{BiMO}_3$ ( $M=\text{Al, Ga, and In}$ ): In situ x-ray diffraction and Raman scattering experiments. <b>2009</b> , 80,		31
856	Structure, ionic conduction, and giant dielectric properties of mechanochemically synthesized $\text{BaSnF}_4$ . <b>2009</b> , 106, 074106		36
855	Structural Characteristics and Microwave Dielectric Properties of $(\text{Al}_{0.5}\text{B}_{0.5}) \times \text{Ti}_{1-x}\text{O}_2$ ( $B = \text{Nb}^{5+}, \text{Sb}^{5+}, \text{Ta}^{5+}$ ) Solid Solutions. <b>2009</b> , 387, 54-62		1
854	Suppression of spin-density-wave transition and emergence of ferromagnetic ordering of $\text{Eu}^{2+}$ moments in $\text{EuFe}_2\text{NixAs}_2$ . <b>2009</b> , 79,		43
853	Diffuse and doubly split atom occupation in hexagonal $\text{LiBH}_4$ . <i>Applied Physics Letters</i> , <b>2009</b> , 95, 221901	3-4	41
852	$\text{YD}$ hybridization in the ferroelectric transition of $\text{YMnO}_3$ . <i>Applied Physics Letters</i> , <b>2009</b> , 95, 132901	3-4	38
851	Formation and Disappearance of Spinel Nanograins in $\text{Li}_{1.2-x}\text{Mn}_{0.4}\text{Fe}_{0.4}\text{O}_2$ ( $0 \leq x \leq 0.99$ ) during Extraction and Insertion of Li Ions. <b>2009</b> , 156, A839		18
850	Dense Composition with High Q on the Complex Perovskite Compounds. <b>2009</b> , 387, 28-35		5
849	Magnetic orientation and magnetic anisotropy in paramagnetic layered oxides containing rare-earth ions. <b>2009</b> , 10, 014604		33
848	$\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ Current Collectors via Ag Infiltration for Microtubular Solid Oxide Fuel Cells with Intermediate Temperature Operation. <b>2009</b> , 156, B1182		17
847	Structural analysis of homologous series of $\text{Zn}_k\text{In}_{2k+3}\text{O}_{k+3}$ ( $k=3, 5, 7$ ) and $\text{Zn}_k\text{InGaO}_{k+3}$ ( $k=1, 3, 5$ ) as thermoelectric materials. <b>2009</b> , 13, 348-351		8
846	Thermoelectric properties of $\text{LaRh}_{1-x}\text{Ni}_x\text{O}_3$ . <b>2009</b> , 21, 115501		9
845	Effect of Sintering Temperature on the Microwave Dielectric Properties of $\text{MgB}_2\text{O}_6$ ( $B = \text{Nb}^{5+}, \text{Ta}^{5+}$ ) Ceramics. <b>2009</b> , 388, 93-100		5

844	Thermoelectric properties of Ba <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> (CO <sub>3</sub> ) <sub>0.7</sub> containing one-dimensional CoO <sub>6</sub> octahedral columns. <b>2009</b> , 106, 034905		7
843	Microwave Dielectric Properties of $x\text{MgO}[(1-x)\text{B}_2\text{O}_3]$ Ceramics. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 09KE03	1.4	13
842	Crossover from Metallic to Semiconducting in Pb <sub>2-x</sub> Ln <sub>x</sub> Ru <sub>2</sub> O <sub>7</sub> - $\delta$ (Ln = Eu, Sm) Compounds with Pyrochlore Structure. <i>Materials Science Forum</i> , <b>2009</b> , 631-632, 483-488	0.4	1
841	Relationship between Structure and Superconductivity in FeSe <sub>1-x</sub> Tex. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 074718	1.5	85
840	Synthesis and Luminescence Properties of Non-Doped Long Persistent Phosphors : Mg <sub>2</sub> SnO <sub>4</sub> . <b>2009</b> , 421-422, 352-355		1
839	Superconductivity up to 30 K in the vicinity of the quantum critical point in BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> )( <sub>2</sub> ). <b>2009</b> , 21, 382203		226
838	Modification of Nickel Sulfide by Surface Coating with TiO <sub>2</sub> and ZrO <sub>2</sub> for Improvement of Cycle Capability. <b>2009</b> , 156, A958		14
837	Hopping conductivity of distorted K <sub>2</sub> NiF <sub>4</sub> -type (Ca <sub>1+x</sub> Nd <sub>1-x</sub> )CrO <sub>4</sub> . <b>2009</b> , 11, 1222-1225		3
836	Low temperature sintering and color of a new compound Sn <sub>1.24</sub> Ti <sub>1.94</sub> O <sub>3.66</sub> (OH) <sub>1.50</sub> F <sub>1.42</sub> . <b>2009</b> , 11, 1703-1708		13
835	Crystal and electronic band structures of homologous compounds ZnIn <sub>2</sub> O <sub>4</sub> + <sub>3</sub> by Rietveld analysis and first-principle calculation. <b>2009</b> , 44, 432-436		25
834	Structural phase transition in the perovskite-type tantalum oxynitrides, Ca <sub>1-x</sub> Eu <sub>x</sub> Ta(O,N) <sub>3</sub> . <b>2009</b> , 44, 1899-1905		17
833	Development of porous ceramic layers through sublimation of metal phases in multiphase alloys. <b>2009</b> , 27, 907-911		4
832	Indium-Based Perovskites: A New Class of Near-Room-Temperature Multiferroics. <b>2009</b> , 121, 6233-6236		14
831	Indium-based perovskites: a new class of near-room-temperature multiferroics. <b>2009</b> , 48, 6117-20		51
830	Crystal structures and magnetic properties of fluorite-related oxides Ln <sub>3</sub> NbO <sub>7</sub> (Ln=lanthanides). <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 709-715	3.3	54
829	[Zr <sub>0.72</sub> Y <sub>0.28</sub> ]Al <sub>4</sub> C <sub>4</sub> : A new member of the homologous series (MC) <sub>l</sub> (T <sub>4</sub> C <sub>3</sub> ) <sub>m</sub> (M=Zr, Y and Hf, T=Al, Si and Ge). <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 1619-1623	3.3	4
828	Powder neutron diffraction of La-apatite under low temperature. <b>2009</b> , 600, 319-321		19
827	Crystal structure and methane oxidation on perovskite-type (La <sub>1-x</sub> Nd <sub>x</sub> )CoO <sub>3</sub> synthesized using citric acid. <b>2009</b> , 44, 5732-5736		11



826	Function of glycine during solid-state reaction toward well-crystallized fine particulate barium titanate. <b>2009</b> , 20, 844-850	3
825	A Chemical Potential Diagram and an In-situ X-ray Diffraction Analysis of a VMgO Catalyst Used in the Oxidative Dehydrogenation of n-Butane. <b>2009</b> , 127, 63-69	13
824	Hydrothermal conversion of FAU zeolite into aluminous MTN zeolite. <b>2009</b> , 16, 465-471	35
823	Cracking and phase stability in reaction layers between Sn-Cu-Ni solders and Cu substrates. <b>2009</b> , 61, 45-51	100
822	Structure and High-Temperature Thermoelectric Properties of the n-Type Layered Oxide $\text{Ca}_{2-x}\text{Bi}_x\text{MnO}_4$ <b>2009</b> , 38, 1159-1162	15
821	Thermoelectric Properties of the One-Dimensional Cobalt Oxide $\text{CaCo}_2\text{O}_4$ . <b>2009</b> , 38, 1166-1170	8
820	Microstructures and Thermoelectric Properties of an Annealed $\text{Ti}_{0.5}(\text{Hf}_{0.5}\text{Zr}_{0.5})_{0.5}\text{NiSn}_{0.998}\text{Sb}_{0.002}$ Ribbon. <b>2009</b> , 38, 1154-1158	6
819	Magnesium microspheres and nanospheres: Morphology-controlled synthesis and application in Mg/MnO <sub>2</sub> batteries. <b>2009</b> , 2, 713-721	28
818	High-pressure phase transitions of $\text{CaRhO}_3$ perovskite. <b>2009</b> , 36, 455-462	38
817	The local structure of $\text{FeSi}_2$ under high pressure. <b>2009</b> , 246, 541-543	1
816	Synthesis of Cs $\beta$ -aluminosilicate zeolites and thermal phase transformation from BIK to CAS frameworks. <b>2009</b> , 117, 551-560	13
815	Sol-gel synthesis and spectrometric structural evaluation of strontium substituted hydroxyapatite. <b>2009</b> , 29, 1006-1009	28
814	Syntheses, structures and magnetic properties of zig-zag chains of transition metals with $\text{O}^{2-}$ bridges. <b>2009</b> , 362, 1428-1434	16
813	Re-examination of the crystal structure of the $\gamma$ -pyrochlore oxide superconductor $\text{KOs}_2\text{O}_6$ by X-ray and convergent-beam electron diffraction analyses. <b>2009</b> , 149, 31-34	11
812	Magnetic properties of a two-dimensional spin-1/2 system $\text{BaCuB}_2\text{O}_5$ . <b>2009</b> , 149, 236-238	3
811	Structural phase transition and octahedral tilting in the calcium titanate perovskite $\text{CaTiO}_3$ . <b>2009</b> , 180, 120-126	93
810	Effect of $\text{Ti}_5\text{Si}_3$ on wear properties of $\text{Ti}_3\text{Si}(\text{Al})\text{C}_2$ . <b>2009</b> , 29, 3379-3385	25
809	Cation distribution in K,H-L zeolite prepared through ion-exchange with TMA ion. <b>2009</b> , 117, 472-477	7

808	Electrochemical crystal growth of perovskite ruthenates. <b>2009</b> , 311, 623-626		6
807	Recycling process for 123-type bulk superconductors. <b>2009</b> , 469, 1153-1156		9
806	Effects of molybdenum on the microstructure and wear resistance of nickel-based hardfacing alloys investigated using Rietveld method. <b>2009</b> , 209, 2767-2772		33
805	Bulk and surface structure investigation for the positive electrodes of degraded lithium-ion cell after storage test using X-ray absorption near-edge structure measurement. <b>2009</b> , 189, 676-680		41
804	Dependence of property, crystal structure and electrode characteristics on Li content for $\text{Li}_x\text{Ni}_{0.8}\text{Co}_{0.2}\text{O}_2$ as a cathode active material for Li secondary battery. <b>2009</b> , 189, 269-278		11
803	Improvement of cathode performance of $\text{LiMn}_2\text{O}_4$ as a cathode active material for Li ion battery by step-by-step supersonic-wave treatments. <b>2009</b> , 189, 114-120		15
802	Structural analysis by synchrotron X-ray diffraction, X-ray absorption fine structure and transmission electron microscopy for aluminum-substituted $\beta$ -type nickel hydroxide electrode. <b>2009</b> , 193, 871-877		17
801	Structural and magnetic properties of the quaternary oxides $\text{Ba}_6\text{Ln}_2\text{Fe}_4\text{O}_{15}$ (Ln=Pr and Nd). <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 273-279	3-3	2
800	High-pressure transitions in $\text{MgAl}_2\text{O}_4$ and a new high-pressure phase of $\text{Mg}_2\text{Al}_2\text{O}_5$ . <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 389-395	3-3	30
799	Crystal structure of $\text{Eu}^{2+}$ -doped $\text{M}_3\text{MgSi}_2\text{O}_8$ (M: Ba, Sr, Ca) compounds and their emission properties. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 547-554	3-3	69
798	Evolution of structural distortions in solid solutions between $\text{BiMnO}_3$ and $\text{BiScO}_3$ . <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 685-689	3-3	9
797	Magnetic and charge transport properties of the Na-based Os oxide pyrochlore. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 881-887	3-3	5
796	Magnetic and dielectric properties of $\text{YbFe}_2\text{Mn}_x\text{O}_4$ ( $0 \leq x \leq 1$ ). <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 1611-1618	3-3	13
795	Synthesis and structure analysis of tetragonal $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ with the garnet-related type structure. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2046-2052	3-3	506
794	Orthorhombic-orthorhombic phase transitions in $\text{Nd}_2\text{NiO}_4 + x$ (0.067 $\leq x \leq$ 0.224). <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2096-2103	3-3	17
793	First discovery and structural characterization of a new compound in $\text{AlSiDCl}$ system. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2252-2260	3-3	13
792	Magnetic properties of $\text{Co}_2\text{V}_2\text{O}_7$ single crystals grown by flux method. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2526-2529	3-3	20
791	Crystal structure and electron density in the apatite-type ionic conductor $\text{La}_{9.71}(\text{Si}_{5.81}\text{Mg}_{0.18})\text{O}_{26.37}$ . <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2846-2851	3-3	28

790	Synthesis and magnetic properties of 12L-perovskites Ba <sub>4</sub> LnIr <sub>3</sub> O <sub>12</sub> (Ln=lanthanides). <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2873-2879	3.3	13
789	Crystal structures and magnetic properties of two-dimensional antiferromagnets Co <sub>1-x</sub> Zn <sub>x</sub> TeMoO <sub>6</sub> . <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 3232-3237	3.3	8
788	Crystal structure and hydrogen absorption-desorption properties of Ca <sub>3</sub> Mg <sub>2</sub> Ni <sub>13</sub> . <b>2009</b> , 57, 2002-2009		17
787	Selective steam reforming of methanol over silica-supported copper catalyst prepared by sol-gel method. <b>2009</b> , 86, 114-120		45
786	Tuning the orthorhombic-rhombohedral phase transition temperature in sodium potassium niobate by incorporating barium zirconate. <b>2009</b> , 3, 142-144		117
785	Pressure hysteresis in the TiMn <sub>1.5</sub> V <sub>x</sub> -H <sub>2</sub> (x = 0.10.5) system. <b>2009</b> , 24, 2886-2891		4
784	Structural Properties of Multiferroic BiFeO <sub>3</sub> under Hydrostatic Pressure. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 3400-3405	9.6	60
783	Structural Disorder, Diffusion Pathway of Mobile Oxide Ions, and Crystal Structure in Perovskite-Type Oxides and Related Materials. <b>2009</b> , 117-145		7
782	Peculiar high-pressure behavior of BiMnO <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 1000-4	5.1	43
781	Direct Synthesis of Powdery Inorganic Electride [Ca <sub>24</sub> Al <sub>28</sub> O <sub>64</sub> ] <sub>4+</sub> (e) <sub>4</sub> and Determination of Oxygen Stoichiometry. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2589-2591	9.6	49
780	Nanosheet Seed-Layer Assists Oriented Growth of Highly Luminescent Perovskite Films. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 21-26	9.6	41
779	Structural Study of La <sub>4</sub> MgNi <sub>19</sub> Hydride by In Situ X-ray and Neutron Powder Diffraction. <b>2009</b> , 113, 5853-5859		65
778	New iron-based arsenide oxides (Fe <sub>2</sub> As <sub>2</sub> )(Sr <sub>4</sub> M <sub>2</sub> O <sub>6</sub> )(M = Sc, Cr). <b>2009</b> , 22, 085001		69
777	On the nature of the reversibility of hydration-dehydration on the crystal structure and magnetism of the ferrimagnet [MnII(enH)(H <sub>2</sub> O)][CrIII(CN) <sub>6</sub> ].H <sub>2</sub> O. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 267-76	5.1	39
776	Characterization of the Clathrate Hydrate Formed with Methane and Propan-1-ol. <b>2009</b> , 48, 9335-9337		18
775	Influence of sintering temperature on microwave dielectric property and crystal structure of corundum-structured Mg <sub>4</sub> NbSbO <sub>9</sub> ceramic. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 468, 338-342	5.7	9
774	Synthesis, crystal structures and high-temperature thermoelectric properties of spinel-type cobalt ruthenium oxides. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 468, 447-451	5.7	8
773	Synthesis and characterization of neodymium oxyhydroxide crystals. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 468, 566-570	5.7	11

772	Crystal structure and luminescence properties of $\text{Sr}_x\text{Ca}_{1-x}\text{AlSiN}_3\text{:Eu}^{2+}$ mixed nitride phosphors. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 475, 434-439	5.7	147
771	Effects of stacking fault on the diffraction intensities of $\text{FeSi}_2$ . <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 476, 282-287	5.7	18
770	Synthesis of the $(\text{Sr,Ca})_2\text{AlH}_7$ hydride. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 477, 337-340	5.7	4
769	Structural investigation and electrochemical properties of $\text{La}_{5-x}\text{Ca}_x\text{Mg}_2\text{Ni}_{23}$ ( $x=0, 1, 2$ and $3$ ) hydrogen storage alloys. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 480, 756-760	5.7	2
768	Influence of the cationic ordering in the dielectric properties of the $\text{La}_2\text{MnCoO}_6$ perovskite. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 485, 82-87	5.7	37
767	Synthesis of Mn-Substituted Titania Nanosheets and Ferromagnetic Thin Films with Controlled Doping. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 4366-4373	9.6	54
766	Studies of Multiferroic System $\text{LiCu}_2\text{O}_2$ : I. Sample Characterization and Relationship between Magnetic Properties and Multiferroic Nature. <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 084720	1.5	34
765	Phase equilibria in the $\text{BaO-MgO-Ta}_2\text{O}_5$ system. <b>2009</b> , 19, 8212		16
764	Atomic displacement parameters and structural disorder of oxygen ions in the $\text{Ce}_x\text{Zr}_{1-x}\text{O}_2$ solid solutions ( $0.12 \leq x \leq 1.0$ ): Possible factors of high catalytic activity of ceria-zirconia catalysts. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 171902	3.4	22
763	Magnetic and Dielectric Properties of $\text{R}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ ( $\text{R} = \text{Eu-Lu}$ ). <b>2009</b> , 379, 183-190		7
762	Synthesis and properties of oxygen non-stoichiometric $\text{BiMnO}_3$ . <b>2009</b> , 19, 1593		32
761	Probing local structure in the yellow phosphor $\text{LaSr}_2\text{AlO}_5\text{:Ce}^{3+}$ , by the maximum entropy method and pair distribution function analysis. <b>2009</b> , 19, 8761		34
760	$\text{Bi}_3\text{Mn}_3\text{O}_{11}$ : a new $\text{KSbO}_3$ -type random ferrimagnet with high $T(\text{C})$ . <b>2009</b> , 131, 9504-5		16
759	Binary Ethanol/Methane Clathrate Hydrate Formation in the System $\text{CH}_4\text{-C}_2\text{H}_5\text{OH-H}_2\text{O}$ : Confirmation of Structure II Hydrate Formation. <b>2009</b> , 113, 12598-12601		44
758	Antiferromagnetic bipolar semiconductor $\text{LaMnPO}$ with $\text{ZrCuSiAs}$ -type structure. <b>2009</b> , 105, 093916		44
757	Magnetic and dielectric properties of hexagonal $\text{InMnO}_3$ . <b>2009</b> , 79,		36
756	Structural Analysis Using Synchrotron XRD and XAFS for Cobalt Oxyhydroxides Heat-Treated under Sodium Hydroxide Solution for Nickel Hydroxide Electrode. <b>2009</b> , 156, A366		10
755	Magnetic and neutron diffraction study on quaternary oxides $\text{MTeMoO}_6$ ( $\text{M} = \text{Mn}$ and $\text{Zn}$ ). <b>2009</b> , 21, 046006		14

754	Superconductivity induced by phosphorus doping and its coexistence with ferromagnetism in EuFe <sub>2</sub> (As <sub>0.7</sub> P <sub>0.3</sub> )(2). <b>2009</b> , 102, 137002	224
753	Jahn-Teller transition of Fe <sub>2</sub> TiO <sub>4</sub> observed by maximum entropy method at high pressure and low temperature. <b>2009</b> , 80,	20
752	CaFeO <sub>2</sub> : a new type of layered structure with iron in a distorted square planar coordination. <b>2009</b> , 131, 221-9	80
751	Selective synthesis of manganese oxide nanostructures for electrocatalytic oxygen reduction. <b>2009</b> , 1, 460-6	142
750	New phosphors for white LEDs:Material Design Concepts. <b>2009</b> , 1, 012002	45
749	Superconductivity at 17 K in (Fe <sub>2</sub> P <sub>2</sub> )(Sr <sub>4</sub> Sc <sub>2</sub> O <sub>6</sub> ): a new superconducting layered pnictide oxide with a thick perovskite oxide layer. <b>2009</b> , 22, 075008	204
748	Hydrogen-bonding-assisted self-doping in tetrathiafulvalene (TTF) conductor. <b>2009</b> , 131, 9995-10002	67
747	Correlation between structural and low-temperature thermoelectric properties of Zn <sub>13+x</sub> Sb <sub>10</sub> compounds. <b>2009</b> , 105, 013713	4
746	Effect of Gd <sub>2</sub> O <sub>3</sub> Dispersion on the Thermal Conductivity of UO <sub>2</sub> . <b>2009</b> , 46, 673-676	18
745	Effect of alkaline earth and transition metals doping on the properties and crystalline perfection of potassium hydrogen phthalate (KHP) crystals. <b>2009</b> , 11, 1635	20
744	Application of Rietveld refinement to investigate the high chromium white cast iron austempered at different temperatures. <b>2009</b> , 16, 33-38	8
743	Consecutive irreversible single-crystal to single-crystal and reversible single-crystal to glass transformations and associated magnetism of the coordination polymer, [Mn(II)(rac-pnH)(H <sub>2</sub> O)Cr(III)(CN) <sub>6</sub> ].H <sub>2</sub> O. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 10726-36	5.1 29
742	Pressure-Induced Modification of Crystal Structure in NdFeAsO <sub>1-y</sub> (1-y=0.85), Accompanied by Remarkable Suppression of T <sub>c</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 013705	1.5 19
741	Magnetic and Structural Phase Transitions in Ferromagnetic MnBi. <b>2009</b> , 73, 40-45	6
740	Study of Mechanism of Mixed Conduction Due to Electrons and Oxygen Ions in (La <sub>0.75</sub> Sr <sub>0.25</sub> )MnO <sub>3.00</sub> and (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )(Co <sub>0.8</sub> Fe <sub>0.2</sub> )O <sub>2.33</sub> through Rietveld Refinement and MEM Analysis. <b>2009</b> , 77, 161-168	5
739	Dependence of Property, Crystal Structure and Electrode Characteristics on Heat Treatment Condition of Li <sub>1.041</sub> Ni <sub>0.8</sub> Co <sub>0.2</sub> O <sub>y</sub> as a Cathode Active Material for Li Secondary Battery. <b>2009</b> , 77, 945-950	
738	High-pressure synthesis and characterization of a novel perovskite PbFe <sub>1/2</sub> V <sub>1/2</sub> O <sub>3</sub> . <b>2009</b> , 117, 102-105	8
737	Formation of C-type rare earth structures in the Ce <sub>1-x</sub> Nd <sub>x</sub> O <sub>2</sub> -DELTA. system: a factor in the decrease in oxide-ion conductivity. <b>2009</b> , 117, 1306-1310	12

736	Syntheses and crystal structures of Si-bearing layered carbides ZrAl <sub>8</sub> C <sub>7</sub> and ZrAl <sub>4</sub> C <sub>4</sub> . <b>2009</b> , 117, 37-41		6
735	An analysis of crystal structure of Ca-deficient oxonitridoaluminosilicate, Ca <sub>0.88</sub> Al <sub>0.91</sub> Si <sub>1.09</sub> N <sub>2.85</sub> O <sub>0.15</sub> . <b>2009</b> , 117, 94-98		13
734	Stabilization of lithium superionic conduction phase and enhancement of conductivity of LiBH <sub>4</sub> by LiCl addition. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 084103	3-4	83
733	Superconductor-insulator transition of cuprate thin films driven by tuning of in-plane epitaxial strain with a buffer layer. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 052066	0-3	
732	Crystal structure and physical properties of new boride Ca <sub>1+x</sub> Co <sub>4</sub> B <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 176, 012016	0-3	
731	Reinvestigation of crystal structure and structural disorder of Ba <sub>3</sub> MgSi <sub>2</sub> O <sub>8</sub> . <b>2009</b> , 24, 180-184		6
730	Anomalous correlation between cage size and valence state in SmOs <sub>4</sub> Sb <sub>12</sub> . <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042220	0-3	6
729	Incommensurate structures of intermediate phase and martensite phase in Ni <sub>2</sub> MnGa. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 165, 012054	0-3	3
728	Magnetic tri-axial orientation in rare-earth-based cuprate superconductors. <b>2009</b> , 1, 012015		1
727	Effect of heat treatment on local structure and photocatalytic water splitting activity of Ni-loaded LiCa <sub>2</sub> Ta <sub>3</sub> O <sub>10</sub> . <b>2009</b> , 117, 1161-1165		4
726	Syntheses and crystal structures of Ge-bearing layered carbides Zr <sub>2</sub> Al <sub>4</sub> C <sub>5</sub> and Zr <sub>3</sub> Al <sub>4</sub> C <sub>6</sub> . <b>2009</b> , 117, 22-26		4
725	Synthesis, crystal structure and physical properties of layered cobalt oxide Ca <sub>x</sub> CoO <sub>2</sub> (x= 0.47). <b>2009</b> , 117, 42-46		15
724	MnGa <sub>2</sub> Sb <sub>2</sub> , a new ferromagnetic compound synthesized under high pressure. <b>2009</b> , 117, 72-75		8
723	Crystal structures and magnetic properties of ternary sulfides BaLn <sub>2</sub> S <sub>4</sub> (Ln = Sm, Gd-Lu). <b>2009</b> , 117, 85-88		1
722	Synthesis of Sr <sub>0.99</sub> Eu <sub>0.01</sub> AlSiN <sub>3</sub> from intermetallic precursor. <b>2009</b> , 117, 115-119		22
721	Substitution effect in FeSr <sub>2</sub> YCu <sub>2</sub> O <sub>6</sub> + $\delta$ magnetic superconductor. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 052166	0-3	
720	New structure and spin state of iron-rich (Mg,Fe)SiO <sub>3</sub> post-perovskite. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 215, 012100	0-3	4
719	Magnetic properties and phase stability of Co <sub>2</sub> (Ti <sub>1-x</sub> Mn <sub>x</sub> )Ga Heusler alloys. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 062018	0-3	2

718	High-pressure high-temperature phase relations in MgAl <sub>2</sub> O <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 215, 012098	0.3	4
717	X-ray diffraction study of B <sub>4</sub> C under high pressure. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 215, 012001	0.3	18
716	Effect of Mn doping on the leakage current and polarization properties in K <sub>0.14</sub> Na <sub>0.86</sub> NbO <sub>3</sub> ferroelectric single crystals. <b>2010</b> , 118, 711-716		23
715	Observation of Reverse Transformation in Metamagnetic Shape Memory Alloy Ni <sub>40</sub> Co <sub>10</sub> Mn <sub>34</sub> Al <sub>16</sub> by High-Field X-Ray Diffraction Measurements. <i>Materials Transactions</i> , <b>2010</b> , 51, 1648-1650	1.3	10
714	Electronic Structure and Thermoelectric Properties of Si <sub>2</sub> Ti-Type Al-(Mn, X)-Si (X=Cr, Fe) Alloys. <b>2010</b> , 74, 605-609		2
713	Magnetic Properties and Phase Stability of the Half-metal-type Co-based Heusler Alloys. <b>2010</b> , 49, 462-470		1
712	Effect of Li Content on Electronic Structure by First-Principle Calculation for Li <sub>1+x</sub> Ni <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> Cathode Active Material of Lithium-Ion Battery. <b>2010</b> , 78, 367-369		4
711	Lithium-Ion Conductivity in Lithium Lanthanum Titanates as Different Local Distortion Model Compounds. <b>2010</b> , 78, 457-459		
710	High Symmetry Brings High Q Instead of Ordering in Ba(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> : A Hrtem Study. <i>Ceramic Transactions</i> , <b>2010</b> , 129-136	0.1	2
709	Diffuse Scattering of EPbF <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 29-32	1.5	
708	Estimation of purity of chrysotile asbestos by X-ray diffractometry/Rietveld refinement. <b>2010</b> , 26, 1295-300		5
707	Oxide Thermoelectric Materials: A Nanostructuring Approach. <b>2010</b> , 40, 363-394		350
706	Direct space methods for powder X-ray diffraction for guest-host materials: applications to cage occupancies and guest distributions in clathrate hydrates. <b>2010</b> , 132, 524-31		146
705	Synthesis and characterization of clathrate hydrates containing carbon dioxide and ethanol. <b>2010</b> , 12, 9927-32		34
704	New sign of vacuum ultraviolet driven crystal growth in ternary oxide Zn <sub>3</sub> V <sub>2</sub> O <sub>8</sub> films. <b>2010</b> , 98, 885-888		4
703	Thermoelectric properties of n-type Sr <sub>x</sub> M <sub>y</sub> Co <sub>4</sub> Sb <sub>12</sub> (M=Yb, Ba) double-filled skutterudites. <b>2010</b> , 100, 1109-1114		24
702	Study of quantum effects on atomic displacements in quartz. <b>2010</b> , 71, 1285-1289		3
701	Fe content effects on electrochemical properties of Fe-substituted Li <sub>2</sub> MnO <sub>3</sub> positive electrode material. <b>2010</b> , 195, 834-844		74



700	Magnetic and electrical properties of quadruple perovskites with 12 layer structures $\text{Ba}_4\text{LnM}_3\text{O}_{12}$ (Ln=rare earths; M=Ru, Ir): The role of metal-metal bonding in perovskite-related oxides. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1962-1969	3-3	14
699	Quantitative determination of site occupancy of multi-rare-earth elements doped into $\text{Ca}_2\text{SnO}_4$ phosphor by electron channeling microanalysis. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 2127-2132	3-3	9
698	Microstructures of Annealed TiNiSn-Based Alloy Ribbons. <b>2010</b> , 39, 2149-2153		2
697	Mn-Substitution Effect on Thermal Conductivity of Delafossite-Type Oxide $\text{CuFeO}_2$ . <b>2010</b> , 39, 1798-1802		34
696	Enhancement of thermoelectric performance in rare earth-doped $\text{Sr}_3\text{Ti}_2\text{O}_7$ by symmetry restoration of $\text{TiO}_6$ octahedra. <b>2010</b> , 24, 76-82		25
695	Crystal structure refinement of A-type carbonate apatite by X-ray powder diffraction. <b>2010</b> , 45, 2419-2426		32
694	Oscillatory diffuse X-ray scattering from lead chalcogenides. <b>2010</b> , 99, 65-69		
693	Optical properties of transparent barium titanate nanoparticle/polymer hybrid synthesized from metal alkoxides. <b>2010</b> , 12, 1933-1943		12
692	Synthesis, thermal stability, and oxygen intake/release characteristics of $\text{YBa}(\text{Co}_{1-x}\text{Al}_x)\text{O}_{7+\delta}$ <b>2010</b> , 45, 1527-1532		24
691	Preparation of nanocrystalline perovskite $\text{KNbO}_3$ by peroxo-precursor decomposition method. <b>2010</b> , 45, 1899-1902		8
690	Crystal structures of Cr-based magnetic pyroxenes. <b>2010</b> , 12, 676-679		3
689	Structural and magnetic properties of metal telluromolybdates $\text{M}_x\text{M}_{2-x}\text{TeMo}_6$ (M, $\text{M}'=\text{Mn}$ , Co, Cd). <b>2010</b> , 12, 227-231		1
688	$(\text{In}_{1-y}\text{Mn}_y)\text{MnO}_3$ (1/900/3): Unusual Perovskites with Unusual Properties. <b>2010</b> , 122, 7889-7893		4
687	$(\text{In}_{1-y}\text{Mn}_y)\text{MnO}_3$ (1/900/3): unusual perovskites with unusual properties. <b>2010</b> , 49, 7723-7		33
686	Origin of improvement of Q based on high symmetry accompanying $\text{Si}^{4+}$ disordering in cordierite millimeter-wave ceramics. <b>2010</b> , 30, 315-318		29
685	Dependence of dielectric properties on structural characteristics of $(\text{Zn}_{1/3}\text{A}_{2/3})_{0.5}(\text{Ti}_{1-x}\text{B}_x)_{0.5}\text{O}_2$ (A = $\text{Nb}^{5+}$ , $\text{Ta}^{5+}$ , B = $\text{Ge}^{4+}$ , $\text{Sn}^{4+}$ ) ceramics at microwave frequencies. <b>2010</b> , 30, 319-323		10
684	Microwave dielectric properties of $\text{ATiO}_3$ (A = Ni, Mg, Co, Mn) ceramics. <b>2010</b> , 30, 341-346		63
683	Synthesis and structure analysis of RUB-50, an LEV-type aluminosilicate zeolite. <b>2010</b> , 128, 150-157		17

682	Hydrogen-bonding tetrathiafulvalene (TTF) conductors: Carrier generation by self-doping. <b>2010</b> , 405, S23-S26		2
681	Study of oxygen ion diffusion in (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )(Co <sub>0.8</sub> Fe <sub>0.2</sub> )O <sub>2.33</sub> through in-situ neutron diffractions at 300 and 720K. <b>2010</b> , 405, 2091-2096		14
680	Preparation of electrochemically active lithium sulfide/carbon composites using spark-plasma-sintering process. <b>2010</b> , 195, 2928-2934		64
679	Ionic conductivity of apatite-type solid electrolyte material, La <sub>10</sub> XBa <sub>2</sub> Si <sub>6</sub> O <sub>27</sub> X/2 (X=O <sup>2+</sup> ), and its fuel cell performance. <b>2010</b> , 195, 4059-4064		39
678	Open-circuit voltage study on LiFePO <sub>4</sub> olivine cathode. <b>2010</b> , 195, 6879-6883		27
677	Magnetic properties of quadruple perovskites Ba <sub>4</sub> LnRu <sub>3</sub> O <sub>12</sub> (Ln=La, Nd, Sm, Dy). <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 33-40	3-3	10
676	Neutron powder diffraction study of tetragonal Li <sub>7</sub> La <sub>3</sub> Hf <sub>2</sub> O <sub>12</sub> with the garnet-related type structure. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 180-185	3-3	56
675	Synthesis, crystal structure, and structural conversion of Ni molybdate hydrate NiMoO <sub>4</sub> ·nH <sub>2</sub> O. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1334-1339	3-3	39
674	Crystal structure and superconductive characteristics of Nb <sub>0.89</sub> Al <sub>0.11</sub> oxynitrides. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 1710-1714	3-3	12
673	Spontaneous strain in Ba <sub>0.6</sub> K <sub>0.4</sub> BiO <sub>3</sub> . <b>2010</b> , 470, S770-S771		1
672	Crystal structure and superconductivity of FeSr <sub>2</sub> YCu <sub>2</sub> O <sub>6+y</sub> superconductor. <b>2010</b> , 470, S92-S93		2
671	Low temperature structure of FeSr <sub>2</sub> YCu <sub>2</sub> O <sub>6+</sub> magnetic superconductor. <b>2010</b> , 470, S158-S159		2
670	Pressure induced phase transformation of semiconductor clathrates. <b>2010</b> , 71, 583-586		3
669	Spin-glass and novel magnetic behavior in the spinel-type. <b>2010</b> , 405, 1881-1889		4
668	Annealing effects on hydrogen ordering in KOD-doped ice observed using neutron diffraction. <b>2010</b> , 972, 111-114		8
667	Pressure-induced ferromagnetic to antiferromagnetic phase transition in Ce <sub>2</sub> Ni <sub>5</sub> C <sub>3</sub> . <b>2010</b> , 150, 725-728		5
666	X-ray diffraction study of spontaneous strain in superconducting. <b>2010</b> , 150, 711-714		3
665	Influence of CeO <sub>2</sub> on the microstructure and wear resistance of iron-based alloy coating studied by Rietveld refinement method. <b>2010</b> , 204, 2677-2682		8

664	Guest disorder and high pressure behavior of argon hydrates. <b>2010</b> , 485, 104-109		13
663	Spray-drying synthesized lithium-excess $\text{Li}_{4+x}\text{Ti}_5\text{O}_{12}$ and its electrochemical property as negative electrode material for Li-ion batteries. <b>2010</b> , 55, 1872-1879		52
662	Observations on online educational materials for powder diffraction crystallography software. <i>Journal of Applied Crystallography</i> , <b>2010</b> , 43, 1271-1275	3.8	4
661	Structural investigation of $\text{GeSb}_6\text{Te}_{10}$ and $\text{GeBi}_6\text{Te}_{10}$ intermetallic compounds in the chalcogenide homologous series. <b>2010</b> , 66, 407-11		15
660	Doping and Atomic Site Substitution in the Dielectric Ceramics $\text{Ti}(\text{Al})\text{O}_2$ Rutile and $(1-x)\text{Ca}_{2/5}\text{Sm}_{2/5}\text{TiO}_3-x\text{Li}_{1/2}\text{Sm}_{1/2}\text{TiO}_3$ Perovskite. <b>2010</b> , 93, 251-255		5
659	Coexistence of A- and B-Site Vacancy Compensation in La-Doped $\text{Sr}_{1-x}\text{Ba}_x\text{TiO}_3$ . <b>2010</b> , 93, 2903-2908		13
658	Synthesis of Gallium-Aluminum Dawsonites and their Crystal Structures. <b>2010</b> , 93, 3908-3915		5
657	Crystal structure of parasibirskite ( $\text{CaHBO}_3$ ) and polymorphism in sibirskite and parasibirskite. <b>2010</b> , 105, 70-73		3
656	Analyses of Magnetic Structures and Nuclear-Density Distribution by the Structure-Refinement and Three-Dimensional Visualization Systems RIETAN-FP-VENUS. <b>2010</b> , 53, 706-712		3
655	Effect of Strontium and Europium Substitutions on Thermoelectric Properties in Silicon-Based Clathrate Compounds. <b>2010</b> , 74, 26-31		7
654	Thermoelectric Iron Oxides. <b>2010</b> , 74, 66-71		7
653	Electronic and magnetic phase diagram of superconductors, $\text{SmFeAsO}_{1-x}\text{F}_x$ . <b>2010</b> , 12, 033005		74
652	Structural and electrical properties of new filled skutterudite compound $\text{BaRu}_4\text{As}_{12}$ prepared at high pressure. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 215, 012130	0.3	2
651	Preparation of Lithium Sulfide-Carbon Composites Using Spark-Plasma-Sintering Process and their Electrochemical Properties. <i>Materials Science Forum</i> , <b>2010</b> , 638-642, 2184-2188	0.4	1
650	Crystal Structure of High-Temperature Phase of Lithium Ionic Conductor, $\text{Li}_3\text{PS}_4$ . <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 90-93	1.5	21
649	Symmetry-mode analysis of the ferroelectric transition in $\text{YMnO}_3$ . <i>Applied Physics Letters</i> , <b>2010</b> , 97, 092902	3.4	13
648	Incommensurate spin-density-wave order in quasi-one-dimensional metallic antiferromagnet $\text{NaV}_2\text{O}_4$ . <b>2010</b> , 81,		19
647	Antiferromagnetic magnetic transition and spin fluctuations in the deformed pyrochlore compound $\text{Fe}_2(\text{OH})_3\text{Cl}$ . <b>2010</b> , 82,		17

646	Morphology and particle size analysis of hydroxyapatite micro- and nano-particles. <b>2010</b> ,		4
645	Large decrease in the critical temperature of superconducting LaFeAsO <sub>0.85</sub> compounds doped with 3% atomic weight of nonmagnetic Zn impurities. <b>2010</b> , 82,		56
644	Formation of a three-dimensional network of V trimers in A <sub>2</sub> V <sub>13</sub> O <sub>22</sub> (A=Ba, Sr). <b>2010</b> , 104, 207201		15
643	Phase transformation of MgBe alloys. <b>2010</b> , 107, 093505		2
642	Phase transitions and the role of vanadium t <sub>2g</sub> states in AV <sub>13</sub> O <sub>18</sub> (A=Sr,Ba). <b>2010</b> , 82,		10
641	Pressure-induced phase transition, metallization, and superconductivity in boron triiodide. <b>2010</b> , 82,		15
640	Relaxation of geometrical frustration in NbSe <sub>3</sub> topological crystals. <b>2010</b> , 82,		6
639	Successive antiferromagnetic transitions with multi-k and noncoplanar spin order, spin fluctuations, and field-induced phases in deformed pyrochlore compound Co <sub>2</sub> (OH) <sub>3</sub> Br. <b>2010</b> , 82,		9
638	Opening of a charge gap with V trimerization in BaV <sub>10</sub> O <sub>15</sub> . <b>2010</b> , 81,		44
637	Synthesis of LiFePO <sub>4</sub> /C Composite Particles by Gas-Solid Phase Reaction and Their Electrochemical Properties. <b>2010</b> , 157, A544		15
636	High-pressure synthesis of novel lithium niobate-type oxides. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 215, 012131	0.3	25
635	Polarization System and Phase Transition on (Li,Na,K)NbO <sub>3</sub> Ceramics. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 09MD11	1.4	22
634	Multiple ferromagnetic structures in an off-center rattling system Eu <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> . <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 022044	0.3	7
633	Site random superconductivity of A15 compound Nb <sub>3</sub> Sn induced by mechanical milling. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 032073	0.3	0
632	Effects of oxygen content on Bi <sub>3</sub> Mn <sub>3</sub> O <sub>(11+δ)</sub> : from 45 K antiferromagnetism to room-temperature true ferromagnetism. <b>2010</b> , 132, 12426-32		13
631	Local Structure of Li-Substituted (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 09ME02.4	0.4	10
630	Pressure induced phase transformation of Ba <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> clathrate studied by x-ray diffraction and Raman spectroscopy. <b>2010</b> , 107, 013517		12
629	The influence of Ni additions on the relative stability of $\alpha$ and $\beta$ Cu <sub>6</sub> Sn <sub>5</sub> . <i>Applied Physics Letters</i> , <b>2010</b> , 96, 061908	3.4	47

628	Powder Synthesis of Y-BiAlON and Its Potential as a Phosphor Host. <b>2010</b> , 114, 1337-1342		30
627	Crystal and magnetic structures and properties of BiMnO(3+delta). <b>2010</b> , 132, 8137-44		46
626	Synthesis, Structure, and Physical Properties of A-site Ordered Perovskites ACu <sub>3</sub> Co <sub>4</sub> O <sub>12</sub> (A= Ca and Y). <i>Chemistry of Materials</i> , <b>2010</b> , 22, 5328-5332	9.6	27
625	Gas-phase synthesis and characterization of CH <sub>4</sub> -loaded hydroquinone clathrates. <b>2010</b> , 114, 3254-8		33
624	La <sub>2</sub> Co <sub>2</sub> Se <sub>2</sub> O <sub>3</sub> : a quasi-two-dimensional mott insulator with unusual cobalt spin state and possible orbital ordering. <b>2010</b> , 132, 7069-73		49
623	La <sub>4</sub> LiAuO <sub>8</sub> and La <sub>2</sub> BaPdO <sub>5</sub> : comparing two highly stable d <sup>8</sup> square-planar oxides. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 4670-80	5.1	16
622	High-Pressure Synthesis, Structure, and Electrical Property of Iodine-Filled Skutterudite IO.9Rh <sub>4</sub> Sb <sub>12</sub> First Anion-Filled Skutterudite. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 47-51	9.6	27
621	Phase Stability and Superconducting Properties of AlB <sub>2</sub> -Type YbGa <sub>x</sub> Si <sub>2-<math>\frac{x}{2}</math></sub> (1.12 $\leq$ x $\leq$ 1.49). <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4690-4699	9.6	11
620	Clathrate hydrates for ozone preservation. <b>2010</b> , 114, 11430-5		25
619	Antiferromagnetic interaction between A'-site Mn spins in A-site-ordered perovskite YMn <sub>3</sub> Al <sub>4</sub> O <sub>12</sub> . <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 2492-5	5.1	25
618	Phase Stability, Structural Transition, and Hydrogen Absorption/Desorption Features of the Polymorphic La <sub>4</sub> MgNi <sub>19</sub> Compound. <b>2010</b> , 114, 11686-11692		69
617	Stabilisation of Cu <sub>6</sub> Sn <sub>5</sub> by Ni in Sn-0.7Cu-0.05Ni lead-free solder alloys. <i>Intermetallics</i> , <b>2010</b> , 18, 145-149	3.5	142
616	Synthesis, crystal structure and luminescent properties of titanium(IV)-doped calcium borostannates, CaSn <sub>1-x</sub> Ti <sub>x</sub> (BO <sub>3</sub> ) <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 490, 443-447	5.7	14
615	Study of charge density and crystal structure of (La <sub>0.75</sub> Sr <sub>0.25</sub> )MnO <sub>3.00</sub> and (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )(Co <sub>0.8</sub> Fe <sub>0.2</sub> )O <sub>2.33</sub> at 500/100K by in situ synchrotron X-ray diffraction. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 491, 527-535	5.7	31
614	Crystal structure and charge density analysis of Ca(BH <sub>4</sub> ) <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 491, 57-62	5.7	25
613	High-pressure synthesis of novel hydrides Mg <sub>7-x</sub> AlTiH <sub>16-x</sub> (A = Li, Na, K; x = 0/1.0) and their reversible hydrogen storage properties. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 494, 439-445	5.7	9
612	Concentration effect of cerium in (Y <sub>0.9-x</sub> Gd <sub>0.1</sub> Ce <sub>x</sub> ) <sub>2</sub> SiO <sub>5</sub> blue phosphor. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 495, 162-166	5.7	15
611	High-pressure synthesis of a new ferromagnetic compound, CrGa <sub>2</sub> Sb <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 496, L14-L17	5.7	8

- 610 Synthesis and crystal structure of a novel nitride hydride  $\text{Sr}_2\text{LiNH}_2$ . *Journal of Alloys and Compounds*, **2010**, 495, 272-274 5.7 7
- 609 Powder neutron diffraction studies for the L21 phase of  $\text{Co}_2\text{YGa}$  (Y = Ti, V, Cr, Mn and Fe) Heusler alloys. *Journal of Alloys and Compounds*, **2010**, 499, 1-6 5.7 52
- 608 The crystal structure of La-doped  $\text{Co}_{40}\text{V}_{60}$  compound. *Journal of Alloys and Compounds*, **2010**, 503, 281-285 3.7 1
- 607 Effects of Fe substitution on structural and magnetic properties of the  $\text{Nd}_2\text{Co}_{7-x}\text{Fex}$  compounds. *Journal of Alloys and Compounds*, **2010**, 506, 766-771 5.7 7
- 606 Hydrogen storage properties of the supersaturated  $\text{Mg}_{12}\text{YNi}$  solid solution. *Journal of Alloys and Compounds*, **2010**, 507, 489-493 5.7 19
- 605 Unusual low-temperature phase in  $\text{VO}_2$  nanoparticles. **2010**, 82, 5
- 604 Hematin-hematin self-association states involved in the formation and reactivity of the malaria parasite pigment, hemozoin. **2010**, 49, 6804-11 50
- 603 Nanosized Tetragonal  $\text{BaTiO}_3$  Powders Synthesized by a New Peroxo-Precursor Decomposition Method. *Chemistry of Materials*, **2010**, 22, 3015-3020 9.6 18
- 602 Magnetic ordering and dense Kondo behavior in  $\text{EuFe}_2\text{P}_2$ . **2010**, 82, 42
- 601 Hume-Rothery electron concentration rule across a whole solid solution range in a series of gamma-brasses in  $\text{Cu}_x\text{Zn}$ ,  $\text{Cu}_{1-x}\text{Cd}$ ,  $\text{Cu}_{1-x}\text{Al}$ ,  $\text{Cu}_{1-x}\text{Ga}$ ,  $\text{Ni}_x\text{Zn}$  and  $\text{Co}_x\text{Zn}$  alloy systems. **2010**, 90, 1985-2008 16
- 600 Thermal Expansion Properties of  $\text{Sr}_{1-x}\text{La}_x\text{TiO}_3$  (0.0-0.3) Perovskites in Oxidizing and Reducing Atmospheres. **2010**, 157, B1783 23
- 599 Two-Dimensional  $S = 1$  Quantum Antiferromagnet  $(\text{NiCl})\text{Sr}_2\text{Ta}_3\text{O}_{10}$ . *Chemistry of Materials*, **2010**, 22, 4625-4631 9.6 14
- 598 Synthesis, Crystal Structure, and Thermal Decomposition of Strontium Amidoborane. **2010**, 114, 1709-1714 91
- 597 Phase Equilibrium for Structure H Hydrates Formed with Methane plus Cycloheptane, Cycloheptanone, or Oxacycloheptane. **2010**, 55, 3059-3062 10
- 596 Crossover behavior of the crystal structure and the relation to magnetism in perovskite  $\text{RTiO}_3$ . **2010**, 82, 9
- 595 Synthesis and thermal stability of the solid solution  $\text{AFeO}_2$  (A = Ba, Sr, Ca). *Inorganic Chemistry*, **2010**, 49, 5957-62 5.1 23
- 594 All-Solid-State Lithium Secondary Battery with  $\text{Li}_2\text{S}/\text{Sn}$  Composite Positive Electrode Prepared by Spark-Plasma-Sintering Process. **2010**, 157, A1196 83
- 593 Fabrication of cuprate superconducting  $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$  nanofibers by electrospinning and subsequent calcination in oxygen. **2011**, 13, 6964 29

- 592 One-Step Preparation of Blue-Emitting (La,Ca)Si<sub>3</sub>(O,N)5:Ce<sup>3+</sup>+Phosphors for High-Color Rendering White Light-Emitting Diodes. *Applied Physics Express*, **2011**, 4, 022101 2.4 8
- 591 Crystal structure of 1/0-2/1-1/0 CuAlSc approximant. **2011**, 91, 2594-2602 7
- 590 Selective reduction of layers at low temperature in artificial superlattice thin films. **2011**, 1, 27 13
- 589 Low-temperature vacuum reduction of BiMnO<sub>3</sub>. *Inorganic Chemistry*, **2011**, 50, 7685-9 5.1 10
- 588 Perovskite, LiNbO<sub>3</sub>, corundum, and hexagonal polymorphs of (In(1-x)M(x))MO<sub>3</sub>. **2011**, 133, 9405-12 37
- 587 Effect of average and local structures on lithium ion conductivity in La<sub>2/3</sub>Li<sub>3</sub>TiO<sub>3</sub>. **2011**, 21, 10195 18
- 586 The effect of Co substitution on the magnetic properties of the Heusler alloy Ni<sub>50</sub>Mn<sub>33</sub>Sn<sub>17</sub>. *Applied Physics Letters*, **2011**, 98, 042507 3.4 53
- 585 Structural Studies of Hydrogen Storage Alloys using X-ray/Neutron Diffraction and Total Scattering. **2011**, 1334, 20601
- 584 Crystal Structure and Hydrogen Storage Properties of novel Mg-Zr-(Li, Na, K) Hydrides Prepared by Gigapascal Hydrogen Pressure Method. **2011**, 1334, 32401
- 583 Porous LiMn<sub>2</sub>O<sub>4</sub> nanorods with durable high-rate capability for rechargeable Li-ion batteries. **2011**, 4, 3668 238
- 582 Effects of A-Site Ions on the Phase Transition Temperatures and Dielectric Properties of (1-x)(Na<sub>0.5</sub>K<sub>0.5</sub>)NbO<sub>3</sub>-xAZrO<sub>3</sub> Solid Solutions. *Japanese Journal of Applied Physics*, **2011**, 50, 09ND10 1.4 10
- 581 High-pressure synthesis and superconductivity of a new binary lanthanum germanide LaGe<sub>3</sub> with triangular Ge<sub>3</sub> cluster units. *Inorganic Chemistry*, **2011**, 50, 3901-6 5.1 21
- 580 Multiferroic Compounds with Double-Perovskite Structures. **2011**, 4, 153-168 83
- 579 Structural evolution and properties of solid solutions of hexagonal InMnO<sub>3</sub> and InGaO<sub>3</sub>. *Inorganic Chemistry*, **2011**, 50, 3559-66 5.1 23
- 578 Structure of Hydrated Sodium Ions and Water Molecules Adsorbed on the Mica/Water Interface. **2011**, 115, 15959-15964 36
- 577 Preservation of Carbon Dioxide Clathrate Hydrate at Temperatures below the Water Freezing Point under Atmospheric Pressure. **2011**, 50, 13854-13858 32
- 576 Structural study of a series of layered rare-earth hydroxide sulfates. *Inorganic Chemistry*, **2011**, 50, 6667-72 28
- 575 Topochemical synthesis of Co-Fe layered double hydroxides at varied Fe/Co ratios: unique intercalation of triiodide and its profound effect. **2011**, 133, 613-20 164



- 574 Controllable synthesis and characterization of porous FeVO<sub>4</sub> nanorods and nanoparticles. **2011**, 13, 897-901 34
- 573 Crystal structure and X-ray diffraction data of a new hexagonal perovskite compound, Ba<sub>4</sub>CuNb<sub>3</sub>O<sub>12</sub>. **2011**, 26, 244-247
- 572 Substitution effect on metal-insulator transition in Cu(Ir<sub>1-x</sub>M<sub>x</sub>)<sub>2</sub>S<sub>4</sub> (M=Sn, Hf). *Journal of Alloys and Compounds*, **2011**, 509, 568-570 5:7 3
- 571 Cathodoluminescence of Ce-doped Gd<sub>2</sub>SiO<sub>5</sub> and Gd<sub>9.33</sub>(SiO<sub>4</sub>)<sub>6</sub>O<sub>2</sub> phosphor under continuous electron irradiation. *Journal of Alloys and Compounds*, **2011**, 509, 800-804 5:7 24
- 570 Hydrogenation properties of Ti<sub>1-x</sub>Mn alloys with a BCC structure containing high and low oxygen concentrations. *Journal of Alloys and Compounds*, **2011**, 509, 1841-1847 5:7 23
- 569 Crystal structure change in the dehydrogenation process of the LiMgNiH system. *Journal of Alloys and Compounds*, **2011**, 509, 7553-7558 5:7 6
- 568 Icosahedral quasicrystal and 1/1 cubic approximant in AuAl<sub>10</sub>Bi alloys. **2011**, 91, 4218-4229 59
- 567 Crystal structure and magnetic properties of 6H-SrMnO<sub>3</sub>. **2011**, 84, 45
- 566 Analysis of lattice site occupancy in kesterite structure of Cu<sub>2</sub>ZnSnS<sub>4</sub> films using synchrotron radiation x-ray diffraction. **2011**, 110, 074511 58
- 565 Magnetic ordering in relation to the room-temperature magnetoelectric effect of Sr<sub>3</sub>Co<sub>2</sub>Fe<sub>24</sub>O<sub>41</sub>. **2011**, 106, 087201 127
- 564 Structural Analysis on Iron-Based Superconductor Pr<sub>1111</sub> System with Oxygen Deficiency and Fluorine Substitution. *Journal of the Physical Society of Japan*, **2011**, 80, 034601 1:5 12
- 563 Nonmagnetic impurity effect on equilateral triangle spin tubes CsCrF<sub>4</sub>. *Journal of Physics: Conference Series*, **2011**, 320, 012044 0:3 2
- 562 Exotic ground state in triangle spin tubes. *Journal of Physics: Conference Series*, **2011**, 320, 012043 0:3 1
- 561 Structural and thermoelectric properties of sintered silicon clathrates: Ba<sub>6</sub>Eu<sub>2</sub>Ga<sub>16</sub>Si<sub>30</sub>nominal composition. **2011**, 18, 142008
- 560 Effects of Geometrical Spin Frustration on Triangular Spin Tubes Formed in CsCrF<sub>4</sub> and KCrF<sub>4</sub>. *Journal of the Physical Society of Japan*, **2011**, 80, 084714 1:5 17
- 559 Local anionic ordering and anisotropic displacement in dielectric perovskite SrTaO<sub>2</sub>N. **2011**, 119, 581-586 66
- 558 Enhanced Electrical Conductivities of Complex Hydrides Li<sub>2</sub>(BH<sub>4</sub>)(NH<sub>2</sub>) and Li<sub>4</sub>(BH<sub>4</sub>)(NH<sub>2</sub>)<sub>3</sub> by Melting. *Materials Transactions*, **2011**, 52, 654-657 1:3 13
- 557 Preparation and evaluation of a chrysotile asbestos-containing standard material for validating x-ray diffractometric quantitation. **2011**, 27, 1217-21 9

556	EFFECTS OF THE MINERAL COMPOSITION OF CEMENT ON THE TEMPERATURE DEPENDENCY OF STRENGTH DEVELOPMENT. <b>2011</b> , 76, 443-448		3
555	X-ray Diffraction Study of the Ordered Structures and Phase Relation in Pd-Mn Alloy System. <i>Materials Transactions</i> , <b>2011</b> , 52, 374-379	1,3	2
554	Phase Transformation and Lattice-Strain Formation in Ti1.0V1.1Mn0.9 during First Absorption and Desorption. <i>Materials Transactions</i> , <b>2011</b> , 52, 586-590	1,3	4
553	PREDICTION METHOD OF COMPRESSIVE STRENGTH OF CONCRETE USING EQUIVALENT AGE. <b>2011</b> , 76, 1745-1753		
552	Pore Formation during Sintering of (Sr0.9La0.1)1-xTiO3+.DELTA. Perovskites (x=0,0.04) Synthesized by the Pechini Method. <b>2011</b> , 79, 688-695		3
551	In-field Jc improvement by oxygen-free pyrene gas diffusion into highly dense MgB2 superconductor. <b>2011</b> , 109, 023904		18
550	Electron Transport Under Magnetic Field in Insulating Hematite Composites with Spinel Ferrite. <b>2011</b> , 94, 765-770		1
549	Oxygen Potentials of Pyrochlore-Type Am2Zr2O7+y. <b>2011</b> , 94, 3596-3599		2
548	Rapid room-temperature synthesis of nanocrystalline spinels as oxygen reduction and evolution electrocatalysts. <b>2011</b> , 3, 79-84		1061
547	Magnetite/maghemite mixture prepared in benzyl alcohol for the preparation of $\gamma$ -Fe16N2 with $\gamma$ -Fe. <b>2011</b> , 31, 2471-2474		19
546	Synthesis of CeO2 $\gamma$ -rO2 solid solution by glycothermal method and its oxygen release capacity. <b>2011</b> , 31, 2463-2470		12
545	Crystal structure of Eu-doped magnetoplumbite-type lanthanum aluminum oxynitride with emission site splitting. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2533-2537	3,3	11
544	Low-temperature structural phase transition in synthetic libethenite Cu2PO4OH. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 3128-3133	3,3	16
543	Influence of hydrogen-containing argon gas on the structural parameters and superconducting properties of malic acid-doped MgB2 wires. <b>2011</b> , 64, 1059-1062		7
542	Superior hydrogen storage kinetics of Mg12YNi alloy with a long-period stacking ordered phase. <b>2011</b> , 65, 233-236		85
541	Synthesis and electronic structure of proton-type partially substituted birnessite by period-four transition metal. <b>2011</b> , 46, 1896-1901		5
540	Nondestructive Imaging of Anomalously Preserved Methane Clathrate Hydrate by Phase Contrast X-ray Imaging. <b>2011</b> , 115, 16193-16199		70
539	Local distortions in multiferroic BiMnO as a function of doping. <b>2011</b> , 12, 044610		8

538	Distribution of extraframework cations and water molecules in the structure of synthetic paulingite. <b>2011</b> , 37, 72-77		4
537	Structural Evolution of the BiFeO <sub>3</sub> /LaFeO <sub>3</sub> System. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 285-292	9.6	148
536	Composition dependences of T <sub>c</sub> , J <sub>c</sub> , physical property and crystal structure of Bi <sub>1.8</sub> Pb <sub>0.3</sub> Sr <sub>2.0</sub> Ca <sub>0.9</sub> Y <sub>0.1</sub> Cu <sub>2.0</sub> MxO <sub>y</sub> (M=Zr, Zn) superconducting oxide. <b>2011</b> , 471, 205-212		2
535	Lithium ion conduction mechanism in LiInI <sub>4</sub> studied by single crystal <sup>7</sup> Li NMR. <b>2011</b> , 189, 7-12		3
534	Thermoelectric Properties of Si <sub>2</sub> Ti-Type Al-(Mn,Cr,Fe)-Si Alloys. <b>2011</b> , 40, 1052-1056		7
533	Molecular Storage of Ozone in a Clathrate Hydrate Formed from an O <sub>3</sub> +O <sub>2</sub> +CO <sub>2</sub> Gas Mixture. <b>2011</b> , 123, 10524-10527		5
532	BaFeO <sub>3</sub> : A Ferromagnetic Iron Oxide. <b>2011</b> , 123, 12755-12758		19
531	Molecular storage of ozone in a clathrate hydrate formed from an O <sub>3</sub> +O <sub>2</sub> +CO <sub>2</sub> gas mixture. <b>2011</b> , 50, 10340-3		31
530	BaFeO <sub>3</sub> : a ferromagnetic iron oxide. <b>2011</b> , 50, 12547-50		127
529	Mixed conductivity, nonstoichiometric oxygen, and oxygen permeation properties in Co-Doped Sr <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub> . <b>2011</b> , 17, 11324-31		5
528	Enclathration of hydrogen by organic-compound clathrate hydrates. <b>2011</b> , 66, 2417-2420		10
527	Structure and electrode reactions of layered rocksalt LiFeO <sub>2</sub> nanoparticles for lithium battery cathode. <b>2011</b> , 196, 6809-6814		39
526	Changes in electronic structure of Li <sub>2</sub> CuO <sub>2</sub> . <b>2011</b> , 196, 6939-6942		11
525	Crystalline CoB: Solid state reaction synthesis and electrochemical properties. <b>2011</b> , 196, 5731-5736		25
524	Preparation, crystal structure, and superconductive characteristics of new oxynitrides (Nb <sub>1-x</sub> M <sub>x</sub> )(N <sub>1-y</sub> O <sub>y</sub> ) where M=Mg, Si, and x, y. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2061-2065	3.3	15
523	Influence of nano-Al <sub>2</sub> O <sub>3</sub> particles on the microstructure and wear resistance of the nickel-based alloy coating deposited by plasma transferred arc overlay welding. <b>2011</b> , 205, 2806-2812		33
522	Magnetic and Electronic Properties of Double Perovskite Sr <sub>2-x</sub> La <sub>x</sub> VMoO <sub>6</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 103004	1.4	1
521	Local Structure Analysis of Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> Grown by High Pressure Synthesis. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 09NE06	1.4	10

520	Preparation of Thin Crystals of $\text{FeTe}_{1-x}\text{SS}_x$ Using the Scotch-Tape Method. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 088003	1.4	2
519	Competition between vanadium tetramerization and trimerization in $\text{Ba}_{1-x}\text{Sr}_x\text{V}_2\text{O}_8$ . <b>2011</b> , 83,		9
518	The covalent bonding interaction in the ferroelectric $\text{LuMnO}_3$ . <b>2011</b> , 110, 084112		7
517	Crystal and magnetic structures of the superconductor $\text{CeNi}_{0.8}\text{Bi}_2$ . <b>2011</b> , 83,		18
516	Participation of Oxygen in Charge/Discharge Reactions in $\text{Li}_{1.2}\text{Mn}_{0.4}\text{Fe}_{0.4}\text{O}_2$ : Evidence of Removal/Reinsertion of Oxide Ions. <b>2011</b> , 158, A760		48
515	Structure and magnetism of the postlayered perovskite $\text{Sr}_3\text{Co}_2\text{O}_6$ : A possible frustrated spin-chain material. <b>2011</b> , 83,		20
514	Superconductivity in Li-doped $\bar{R}$ hombohedral boron. <b>2011</b> , 83,		21
513	Superconducting phase at 7.7 K in the $\text{Hg}_x\text{ReO}_3$ compound with a hexagonal bronze structure. <b>2011</b> , 106, 017001		6
512	Characterization of Carbon Composite $\text{LiMn}_{1-x}\text{Fe}_x\text{PO}_4$ Cathodes. <b>2011</b> , 18, 122002		3
511	Thermal Expansion of Oxyarsenides $(\text{LaO})\text{TAs}$ ; T = Transition Metal. <b>2011</b> , 170, 131-134		1
510	Structural and Magnetic Properties of $\text{Fe}_2\text{P}$ under Pressure at Low Temperature. <i>Journal of the Physical Society of Japan</i> , <b>2011</b> , 80, 084719	1.5	5
509	Sintering Mechanisms of Cobalt-Doped Ceria and Zirconia Electrolytes in Intermediate-Temperature Solid Oxide Fuel Cells. <b>2011</b> , 8,		4
508	Transport properties of single- and three-core $\text{FeSe}$ wires fabricated by a novel chemical-transformation PIT process. <b>2011</b> , 24, 125003		37
507	Synthesis Method of the Li-Ion Battery Cathode Material $\text{Li}_2\text{FeSiO}_4$ Using a Molten Carbonate Flux. <b>2011</b> , 158, A1340		30
506	Structural Study of $\bar{R}$ hombohedral Boron at High Pressures. <i>Journal of the Physical Society of Japan</i> , <b>2011</b> , 80, 084601	1.5	18
505	Effects of anisotropic strain on perovskite $\text{LaMnO}_3$ +nanoparticles embedded in mesoporous silica. <b>2011</b> , 110, 044307		10
504	Structures and Phase Transitions in $\text{Rb}_2\text{MoO}_4$ and $\text{Rb}_2\text{WO}_4$ . <b>2011</b> , 414, 195-200		11
503	Wide band gap tunability of bulk $\text{Cd}_{1-x}\text{CaxO}$ . <b>2011</b> , 109, 013510		26

502	Crystallization of Nd-Co-B nanocomposite ribbons in high magnetic fields. <b>2011</b> , 109, 07A726		6
501	Improvement of Cycle Capability of FeS <sub>2</sub> Positive Electrode by Forming Composites with Li <sub>2</sub> S for Ambient Temperature Lithium Batteries. <b>2011</b> , 159, A75-A84		44
500	Approximant of dodecagonal quasicrystal formed in MnSi alloy. <b>2011</b> , 91, 2624-2633		11
499	Fracture Characteristic of a Mg-Gd-Y Alloy Compressed at High Strain Rate and Sub-Zero Temperature. <b>2012</b> , 476-478, 38-41		
498	Partial Nitridation of Sr <sub>3</sub> Al <sub>10</sub> SiO <sub>20</sub> :Eu and Its Effect on Photoluminescence Properties. <b>2012</b> , 159, J176-J181	1	
497	Evolution of the Plastic Deformation Mechanisms in a Compressed Mg-10Gd-2Y-0.5Zr Alloy. <b>2012</b> , 510, 628-633		
496	Fine particle preparation and electrode property of layered-type LiNi <sub>0.4</sub> Co <sub>0.6-x</sub> Ti <sub>x</sub> O <sub>2</sub> . <b>2012</b> , 1425, 65		
495	Crystal structures of (Mg <sub>1-x</sub> Fe <sub>x</sub> )SiO <sub>3</sub> postperovskite at high pressures. <b>2012</b> , 109, 1035-40		15
494	Superconductivity in Novel BiS <sub>2</sub> -Based Layered Superconductor LaO <sub>1-x</sub> F <sub>x</sub> BiS <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 114725	1.5	344
493	Size Effect on Crystal Structure and Phase Transition of Potassium Niobate. <b>2012</b> , 433, 45-52		3
492	Observation of persistent centrosymmetry in the hexagonal manganite family. <b>2012</b> , 85,		50
491	Resistive switching phenomenon driven by antiferromagnetic phase separation in an antiperovskite nitride Mn <sub>3</sub> ZnN. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 161907	3.4	22
490	Abrupt enhancement of noncentrosymmetry and appearance of a spin-triplet superconducting state in Li <sub>2</sub> (Pd <sub>1-x</sub> Pt <sub>x</sub> ) <sub>3</sub> B beyond x=0.8. <b>2012</b> , 86,		34
489	Spontaneous uniaxial strain and disappearance of the metal-insulator transition in monodisperse V <sub>2</sub> O <sub>3</sub> nanocrystals. <b>2012</b> , 86,		14
488	Improvement of Stability at Low Potential and Structure of Cobalt Oxyhydroxide/CeO <sub>2</sub> Composite as Additive for Nickel Hydroxide Electrode. <b>2012</b> , 159, A2069-A2075		2
487	An enhancement of a thermoelectric power factor in a Ga-doped ZnO system: A chemical compression by enlarged Ga solubility. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 253902	3.4	48
486	Identification of superlattice structure c16 in the P-VI phase of phosphorus at 340 GPa and room temperature via x-ray diffraction. <b>2012</b> , 86,		16
485	Metal-insulator transition sustained by Cr-doping in V <sub>2</sub> O <sub>3</sub> nanocrystals. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 043103	3.4	4

484	Hydrogen-induced modification of the electronic structure and magnetic states in Fe, Co, and Ni monohydrides. <b>2012</b> , 86,		23
483	Continuous critical temperature enhancement with gradual hydrogen doping in LaFeAsO <sub>0.85</sub> H <sub>x</sub> (x=0–0.85). <b>2012</b> , 86,		3
482	Magnetic and transport properties of layered Li <sub>x</sub> Co <sub>0.5</sub> RhO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2012</b> , 101, 102409	3.4	1
481	Direct observation by neutron diffraction of antiferromagnetic ordering in s electrons confined in regular nanospace of sodalite. <b>2012</b> , 109, 167208		16
480	Crystal Structure and Electrochemical Performance of a New Lithium Trivalent Iron Silicate. <b>2012</b> , 159, A725-A729		11
479	Defect Control and Properties in Bismuth Layer Structured Ferroelectric Single Crystals. <b>2012</b> , 405-459		3
478	Residual strain dependence on the matrix structure in RHQ-Nb <sub>3</sub> Al wires by neutron diffraction measurement. <b>2012</b> , 25, 065021		10
477	Evolution of Tetragonal Phase in the FeSe Wire Fabricated by a Novel Chemical-Transformation Powder-in-Tube Process. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 010101	1.4	2
476	Crystal Structure and Anomalous Sintering Behavior of (Sr <sub>0.7</sub> La <sub>0.3</sub> ) <sub>1-x</sub> TiO <sub>3</sub> +P Perovskites (0 ≤ x ≤ 0.12) Synthesized by the Pechini Method. <b>2012</b> , 9,		13
475	Superior MgB <sub>2</sub> Superconducting Wire Performance through Oxygen-Free Pyrene Additive. <i>Applied Physics Express</i> , <b>2012</b> , 5, 013101	2.4	6
474	Studies of Crystal Structure and Spin State in Diluted Triangular Spin Tube KCr <sub>1-x</sub> Al <sub>x</sub> F <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 400, 032057	0.3	2
473	Ion Distributions and the Electrochemical Properties of LiNi <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>2</sub> Prepared by Ion-Exchange for Positive Electrode. <b>2012</b> , 80, 829-833		0
472	Electron Spin Resonance in Triangular Spin Tubes. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 400, 032049	0.3	2
471	Nonmagnetic doublet ground state in a caged compound PrRh <sub>2</sub> Zn <sub>20</sub> . <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 391, 012051	0.3	5
470	Magnetic impurity effect on charge and magnetic order in doped La <sub>1.5</sub> Ca <sub>0.5</sub> CoO <sub>4</sub> . <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 340, 012061	0.3	0
469	Neutron scattering studies of Ti-Cr-V bcc alloy with the residual hydrogen and deuterium. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 340, 012103	0.3	2
468	Magnetic Properties of the Double Perovskites (Sr <sub>1-x</sub> La <sub>x</sub> ) <sub>2</sub> CoMO <sub>6</sub> with M = Sb, Nb, and Ta. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 044708	1.5	10
467	First-Principles Molecular Dynamics Simulation for Calcium under High-Pressure: Thermodynamic Effect on Simple Cubic Structure. <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 124601	1.5	1

- 466 BaMg<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3</sub>/Mg<sub>4</sub>Nb<sub>2</sub>O<sub>9</sub> composite microwave ceramics with high Q-factor and low sintering temperature. **2012**, 32, 4305-4309 15
- 465 Ab Initio Study of the Sodium Intercalation and Intermediate Phases in Na<sub>0.44</sub>MnO<sub>2</sub> for Sodium-Ion Battery. *Chemistry of Materials*, **2012**, 24, 1205-1211 9.6 195
- 464 Melilite-Structure CaYAl<sub>3</sub>O<sub>7</sub>:Eu<sup>3+</sup> Phosphor: Structural and Optical Characteristics for Near-UV LED-Based White Light. **2012**, 116, 26850-26856 102
- 463 X-Ray Diffraction: Addressing Structural Complexity in Supramolecular Chemistry. **2012**,
- 462 Self-compensation property of rhombohedral boron doped with high Li<sup>+</sup> concentration. **2012**, 14, 1578-1583 12
- 461 Synthesis of Li<sub>2</sub>MnSiO<sub>4</sub> Cathode Material Using Molten Carbonate Flux Method with High Capacity and Initial Efficiency. **2012**, 159, A532-A537 20
- 460 Spin-glass in the spinel-type CuCrTiS<sub>4</sub>. **2012**, 92, 2957-2969 6
- 459 Fiber-Type Ni(OH)<sub>2</sub> Electrode for Nickel-Metal Hydride Battery: Super High-Rate Charge/Discharge and Long Cycle-Life Performances. **2012**, 159, A1891-A1896 15
- 458 Structural Analysis during Charge-Discharge Process of Li<sub>2</sub>FeSiO<sub>4</sub> Synthesized by Molten Carbonate Flux Method. **2012**, 159, A525-A531 19
- 457 (Nd<sub>1.5</sub>Mg<sub>0.5</sub>)Ni<sub>7</sub>-based compounds: structural and hydrogen storage properties. *Inorganic Chemistry*, **2012**, 51, 2976-83 5.1 59
- 456 Comment on Impedance spectroscopy study and ground state electronic properties of In(Mg<sub>1/2</sub>Ti<sub>1/2</sub>)O<sub>3</sub> (Physica B 406 (2011) 1081-1087) and related works. **2012**, 407, 3683-3685 1
- 455 Crystal structure and magnetic properties of Fe<sub>2</sub>-Fe<sub>16</sub>N<sub>2</sub> containing residual Fe prepared by low-temperature ammonia nitridation. *Journal of Solid State Chemistry*, **2012**, 194, 76-79 3.3 39
- 454 Comparative investigations on the hydrogenation characteristics and hydrogen storage kinetics of melt-spun Mg<sub>10</sub>NiR (R = La, Nd and Sm) alloys. *International Journal of Hydrogen Energy*, **2012**, 37, 10709-10714 6.7 59
- 453 Preparation of the crack-free single phase (Zn<sub>1-x</sub>Cd<sub>x</sub>)<sub>13</sub>Sb<sub>10</sub> by a gradient freeze method and their structural and thermoelectric properties. *Intermetallics*, **2012**, 23, 163-168 3.5 3
- 452 Synthesis, crystal structure and thermal decomposition of LiCa(AlH<sub>4</sub>)<sub>3</sub>. *Journal of Alloys and Compounds*, **2012**, 520, 202-206 5.7 11
- 451 Insights into high temperature oxidation of Al<sub>2</sub>O<sub>3</sub>-forming Ti<sub>3</sub>AlC<sub>2</sub>. **2012**, 58, 95-103 40
- 450 Direct Synthesis of Single Crystalline  $\alpha$ -Fe Nanoparticles With High Saturation Magnetization by Mixed Surfactant. **2012**, 48, 3944-3946 8
- 449 Disorder in order: A study of local and global order in Ge-rich Ge<sub>2</sub>Sb<sub>2</sub>Te alloys. **2012**, 249, 1919-1924 4



448	Strong coupling superconductivity at 8.4 K in an antiperovskite phosphide SrPt3P. <b>2012</b> , 108, 237001		70
447	Crystal structure and magnetic properties of (Ru <sub>0.5</sub> Cu <sub>0.5</sub> )(Sr <sub>1.47</sub> Ba <sub>0.2</sub> R <sub>0.33</sub> )(R <sub>1.34</sub> Ce <sub>0.66</sub> )Cu <sub>2</sub> O <sub>z</sub> (R = Nd, Eu). <b>2012</b> , 61, 1709-1713		
446	Reversible electrochemical reaction of CuO with Li in the LiCuO <sub>2</sub> system. <b>2012</b> , 225, 611-614		9
445	Exciton quenching and ferromagnetism-to-ferrimagnetism crossover in diluted magnetic semiconducting Zn <sub>1-x</sub> CoxO nanogranular nanofibers. <b>2012</b> , 14, 525-532		21
444	Crystal Structures and Properties of Perovskites ScCrO <sub>3</sub> and InCrO <sub>3</sub> with Small Ions at the A Site. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2197-2203	9.6	29
443	The phase transition of e-In <sub>x</sub> Fe <sub>2-x</sub> O <sub>3</sub> nanomagnets with a large thermal hysteresis loop (invited). <b>2012</b> , 111, 07B506		11
442	Phase Equilibrium Conditions for Clathrate Hydrates of Tetra-n-butylammonium Bromide (TBAB) and Xenon. <b>2012</b> , 57, 1829-1833		22
441	BiGaO <sub>3</sub> -Based Perovskites: A Large Family of Polar Materials. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3056-3064	9.6	45
440	Experimental studies of complex hydride YMn <sub>2</sub> H <sub>6</sub> on formation kinetics and x-ray absorption fine structure analyses. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 044101	3-4	4
439	Ba <sub>2</sub> Ti <sub>2</sub> Fe <sub>2</sub> As <sub>4</sub> O: A new superconductor containing Fe <sub>2</sub> As <sub>2</sub> layers and Ti <sub>2</sub> O sheets. <b>2012</b> , 134, 12893-6		62
438	Polarization Rotation in the Monoclinic Perovskite BiCo <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> . <b>2012</b> , 124, 8101-8104		10
437	Polarization rotation in the monoclinic perovskite BiCo(1-x)Fe(x)O <sub>3</sub> . <b>2012</b> , 51, 7977-80		42
436	High-pressure synthesis, crystal structure, and properties of BiPd <sub>2</sub> O <sub>4</sub> with Pd <sup>2+</sup> and Pd <sup>4+</sup> ordering and PbPd <sub>2</sub> O <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 7650-6	5.1	8
435	Microstructures and Thermoelectric Properties of Sintered Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> -Based Oxide. <b>2012</b> , 41, 1217-1221		7
434	Anomalous Preserved Clathrate Hydrate of Natural Gas in Pellet Form at 253 K. <b>2012</b> , 116, 13842-13848		63
433	Effect of Cu Doping on the Crystal Structure of (Ru <sub>1-x</sub> Cu <sub>x</sub> )(Sr <sub>1.47</sub> Ba <sub>0.2</sub> Nd <sub>0.33</sub> )(NdCe)Cu <sub>2</sub> O <sub>10</sub> . <b>2012</b> , 25, 2019-2023		5
432	Quadruple-layered perovskite (CuCl)Ca <sub>2</sub> NaNb <sub>4</sub> O <sub>13</sub> . <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 185, 10-17	3-3	8
431	Structural analysis of Li-intercalated hexagonal boron nitride. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 187, 208-210	3-3	11

- 430 Relationship between crystal structure and superconductivity in iron-based superconductors. **2012**, 152, 644-648 62
- 429 Phase equilibrium for structure II clathrate hydrates formed with (fluoromethane+propan-2-ol, 2-methyl-2-propanol, or 2-propanone). **2012**, 47, 17-20 4
- 428 Sintering and dielectric properties of perovskite SrTaO<sub>2</sub>N ceramics. **2012**, 32, 1269-1274 45
- 427 Dual irreversible behavior of temperature dependence of magnetization in the spinel-type Cu<sub>1-x</sub>Ag<sub>x</sub>CrSnS<sub>4</sub>. **2012**, 324, 1147-1152 2
- 426 The influence of the Jahn-Teller effect at Fe<sup>2+</sup> on the structure of chromite at high pressure. **2012**, 39, 131-141 31
- 425 8.1.6.8 Zeolites having mordenite-, ferrierite-, boggside-, epistilbite-, and terranovaite-type framework. **2013**, 1-170
- 424 Distribution of extra-framework cations and water molecules in synthetic high-silica (Na, Cs)-rho-zeolite. **2013**, 39, 420-424 6
- 423 Catalytic transformations of mixtures of ethers with aliphatic and aromatic nitriles on solid acids under supercritical conditions. **2013**, 53, 187-193
- 422 Metal-insulator crossover accompanied by the dual nature of 5f electrons with localized and itinerant characters in U<sub>5</sub>Si<sub>2</sub>. **2013**, 62, 1782-1786 1
- 421 Triangular spin tubes with bond randomness. **2013**, 62, 2188-2192 1
- 420 Crystallization behavior and hydrogen storage kinetics of amorphous Mg<sub>11</sub>Y<sub>2</sub>Ni<sub>2</sub> alloy. *Journal of Alloys and Compounds*, **2013**, 551, 376-381 5:7 34
- 419 Site occupancy and magnetic moment of Fe in Ni<sub>2</sub>Mn<sub>0.3</sub>Fe<sub>0.7</sub>Ga alloy by neutron powder diffraction study. *Journal of Alloys and Compounds*, **2013**, 580, 506-511 5:7 6
- 418 Structures and magnetic properties of Tm<sub>1-x</sub>Y<sub>y</sub>Mn<sub>1-x</sub>Co<sub>x</sub>O<sub>3</sub>. **2013**, 63, 546-548 1
- 417 Fresh look at the mystery of magnetization reversal in YVO<sub>3</sub>. *Inorganic Chemistry*, **2013**, 52, 8529-39 5:1 18
- 416 High-pressure synthesis, crystal structures, and properties of ScRhO<sub>3</sub> and InRhO<sub>3</sub> perovskites. *Inorganic Chemistry*, **2013**, 52, 12005-11 5:1 14
- 415 Crystal structures of Zn<sub>2</sub>SiO<sub>4</sub> III and IV synthesized at 6.58 GPa and 1,273 K. **2013**, 40, 467-478 8
- 414 Ionic semiconductor: DC and AC conductivity of anilinium tetrathiafulvalene-2-carboxylate. **2013**, 42, 3821-6 6
- 413 Mechanism of enhanced optical second-harmonic generation in the conducting pyrochlore-type Pb<sub>2</sub>Ir<sub>2</sub>O<sub>7-x</sub> oxide compound. **2013**, 110, 187402 22

412	New family of lanthanide-based inorganic-organic hybrid frameworks: $\text{Ln}_2(\text{OH})_4[\text{O}_3\text{S}(\text{CH}_2)_n\text{SO}_3]\cdot 2\text{H}_2\text{O}$ (Ln = La, Ce, Pr, Nd, Sm; n = 3, 4) and their derivatives. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 1755-61	5.1	11
411	Excellent hydrolysis performances of $\text{Mg}_3\text{RE}$ hydrides. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 2973-2978	6.7	99
410	Dehydrogenation properties and crystal structure analysis of $\text{Mg}(\text{BH}_4)(\text{NH}_2)$ . <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 580, S85-S89	5.7	10
409	Small-angle neutron scattering observation of the surface structure of $\text{Ti}_{0.31}\text{Cr}_{0.33}\text{V}_{0.36}$ alloy in hydrogenation. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 580, S18-S20	5.7	1
408	Lithium insertion and extraction properties of hollandite-type $\text{KxTiO}_2$ with different K content in the tunnel space. <b>2013</b> , 243, 22-29		21
407	A new reversible $\text{Mg}_3\text{AgH}_2$ system for hydrogen storage. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 581, 246-249	5.7	29
406	Synthesis and crystal structure analysis of complex hydride $\text{Mg}(\text{BH}_4)(\text{NH}_2)$ . <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 6730-6735	6.7	19
405	Synthesis and piezoelectric properties of Li-doped $\text{BaTiO}_3$ by a solvothermal approach. <b>2013</b> , 33, 1009-1015		49
404	Synthesis of high-capacity Ti- and/or Fe-substituted $\text{Li}_2\text{MnO}_3$ positive electrode materials with high initial cycle efficiency by application of the carbothermal reduction method. <b>2013</b> , 221, 427-434		38
403	Determination of the local symmetry and the multiferroic-ferromagnetic crossover in $\text{Ni}_{1-x}\text{Co}_x\text{V}_2\text{O}_8$ by using Raman scattering spectroscopy. <b>2013</b> , 62, 116-120		6
402	Structural, magnetic, and ferroelectric properties of $\text{CuFe}_{1-x}\text{Mn}_x\text{O}_2$ . <b>2013</b> , 87,		31
401	Oxygen Intake/Release Mechanism of Double-Perovskite Type $\text{BaYMn}_2\text{O}_{5+x}$ ( $0 \leq x \leq 1$ ). <b>2013</b> , 117, 12560-12566		27
400	Thermoelectric Properties of Li-Doped CuO. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 031102	1.4	5
399	The ionic conductivity and dielectric properties of $\text{Ba}_{1-x}\text{Sn}_x\text{F}_2$ solid solutions prepared by mechanochemical milling. <b>2013</b> , 178, 965-970		11
398	Cobalt-free nickel metal hydride battery for industrial applications. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 580, S378-S381	5.7	25
397	MEM Charge Density Study of Olivine $\text{LiMPO}_4$ and $\text{MPO}_4$ (M = Mn, Fe) as Cathode Materials for Lithium-Ion Batteries. <b>2013</b> , 117, 2608-2615		19
396	Synthesis, structural and physical properties of $\text{ScMn}_2\text{O}_4$ . <b>2013</b> , 153, 71-75		2
395	Carbon coated lithium cobalt phosphate for Li-ion batteries: Comparison of three coating techniques. <b>2013</b> , 221, 35-41		71

- 394 Preparation and Electrode Performance of Fiber-Type Cu-Sn Negative Electrode for Li-Ion Battery. **2013**, 160, A980-A984 16
- 393 Scanning Transmission Electron Microscopy and Thermoelectric Properties of Sr-Doped Misfit Cobalt Oxide. *Japanese Journal of Applied Physics*, **2013**, 52, 071101 1.4 1
- 392 Synthesis and Piezoelectric Properties of Li, Ca and Mn-codoped BaTiO<sub>3</sub> by a Solvothermal Approach. **2013**, 47, 012018 3
- 391 Improvement of Cycling Stability at 80°C for 4 V-Class Lithium-Ion Batteries and Safety Evaluation. **2013**, 160, A1311-A1318 7
- 390 Fiber-Type Ni(OH)<sub>2</sub> Electrode with  $\beta$ -Phase Transformation: High-Capacity and High-Voltage Performances of Nickel-Metal Hydride Battery. **2013**, 160, A564-A568 8
- 389 Partial cationic inversion-induced magnetic hardening of densely packed 23-nm-sized nanocrystallite-interacting nickel ferrite electrospun nanowires. *Applied Physics Letters*, **2013**, 103, 232410 2.4 22
- 388 Magnetic ground state of the Mn<sub>1+x</sub>AX<sub>n</sub>-phase nitride Cr<sub>2</sub>GaN. **2013**, 88, 32
- 387 Enhancing the Superconducting Properties of Magnesium Diboride Without Doping. **2013**, 96, 2893-2897 4
- 386 Preparation and dielectric property of (Li<sub>0.12</sub>Na<sub>0.88</sub>)NbO<sub>3</sub>-based solid solutions. **2013**, 121, 544-549
- 385 Relationship between crystal structure and ferroelectric properties in Bi<sub>0.50</sub>Na<sub>0.50</sub>Sr<sub>x</sub>Ti<sub>1-x</sub>Zr<sub>x</sub>O<sub>3</sub> ceramics. **2013**, 121, 644-648 8
- 384 Crystal structure and ferroelectric properties of Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub>-modified Bi<sub>0.5+0.5x</sub>Na<sub>0.50</sub>Ti<sub>1-x</sub>Mn<sub>0.75x</sub>Mo<sub>0.25x</sub>O<sub>3</sub> solid solutions. **2013**, 121, 679-683 4
- 383 Cobalt-free Materials for Nickel-metal Hydride Battery: Self-discharge Suppression and Overdischarge-resistance Improvement. **2013**, 81, 553-558 1
- 382 Preparation and crystal structure of new inorganic compounds by hydrothermal reaction. **2013**, 121, 135-141 12
- 381 Synthesis, structure and properties of new functional oxynitride ceramics. **2013**, 121, 142-149 9
- 380 Supercritical Fluid Synthesis of LiCoPO<sub>4</sub> Nanoparticles and Their Application to Lithium Ion Battery. **2014**, 2, 233-247 9
- 379 Tsai-Type Quasicrystal and Its Approximant in Au-Al-Tm Alloys. **2014**, 126, 603-607 10
- 378 High-pressure phase diagram of O<sub>2</sub> and N<sub>2</sub> binary system: formation of kagome-lattice of O<sub>2</sub>. *Journal of Physics: Conference Series*, **2014**, 500, 182001 0.3 6
- 377 Fabrication and Measurement of High-Temperature Superconductor YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  Activity Report of Science Club. **2014**,

376	Thermally activated spin fluctuations in stoichiometric LiCoO <sub>2</sub> clarified by electron paramagnetic resonance and muon-spin rotation and relaxation measurements. <b>2014</b> , 89,	17
375	Unusual magnetic hysteresis and the weakened transition behavior induced by Sn substitution in Mn <sub>3</sub> SbN. <b>2014</b> , 115, 043509	8
374	CO <sub>2</sub> absorption characteristics of a Li <sub>2</sub> TiO <sub>3</sub> blanket material under atmospheric exposure. <b>2014</b> , 455, 527-530	5
373	Microstructural and crystallographic imperfections of MgB <sub>2</sub> superconducting wire and their correlation with the critical current density. <b>2014</b> , 4, 017113	6
372	Research progress in nondoped lanthanoid silicate oxyapatites as new oxygen-ion conductors. <b>2014</b> , 122, 921-939	21
371	Improved cycling and high rate performance of core-shell LiFe <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> PO <sub>4</sub> /carbon nanocomposites for lithium-ion batteries: Effect of the carbon source. <b>2014</b> , 143, 407-414	16
370	PHASE STABILITY OF L2 <sub>1</sub> PHASE IN Co-BASED HEUSLER ALLOYS. <b>2014</b> , 04, 1440018	6
369	Chloride-Ion-Stabilized Strontium Mayenite: Expansion of Versatile Material Family. <b>2014</b> , 97, 4037-4044	10
368	Site-dependent electrochemical performance of Mg doped LiFePO <sub>4</sub> . <b>2014</b> , 44, 4-7	41
367	Electron microscopy analysis of Ti-substituted Li <sub>2</sub> MnO <sub>3</sub> positive electrode before and after carbothermal reduction. <b>2014</b> , 254, 39-47	11
366	Origin of extrinsic dielectric loss in 1:2 ordered, single-phase BaMg <sub>1/3</sub> Ta <sub>2/3</sub> O <sub>3</sub> . <b>2014</b> , 34, 1741-1753	35
365	Full-color-emitting CaYAl <sub>3</sub> O <sub>7</sub> :Pr <sup>3+</sup> ,Ce <sup>3+</sup> phosphor for near-UV LED-based white light. <b>2014</b> , 152, 176-181	24
364	Structural, Transport, and Magnetic Properties of (Ru <sub>0.9</sub> Nb <sub>0.1</sub> )Sr <sub>2</sub> (Gd <sub>0.67</sub> Ru <sub>0.67</sub> Ce <sub>0.66</sub> )Cu <sub>2</sub> O <sub>z</sub> (R = Nd, Gd, and Tb). <b>2014</b> , 27, 505-510	4
363	Improved electrochemical performance of 5 V LiCoPO <sub>4</sub> cathode materials via yttrium doping. <b>2014</b> , 255, 84-88	32
362	Preparation of Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> Thermoelectric Materials by Pulse-Current Sintering Under Cyclic Uniaxial Pressure. <b>2014</b> , 43, 1574-1579	6
361	Design of Microwave Dielectrics Based on Crystallography. <i>Ceramic Transactions</i> , <b>2014</b> , 87-100	0.1 2
360	Order-disorder transition involving the A-site cations in Ln <sub>3</sub> +Mn <sub>3</sub> V <sub>4</sub> O <sub>12</sub> perovskites. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 594-9	5.1 16
359	Multiple magnetic interactions in A-site-ordered perovskite-structure oxides. <b>2014</b> , 26, 473203	14

- 358 Design and synthesis of a new layered thermoelectric material LaPbBiS<sub>3</sub>O. *Inorganic Chemistry*, **2014**, 53, 11125-9 5.1 28
- 357 Possible charge-density wave, superconductivity, and f-electron valence instability in EuBiS<sub>2</sub>F. **2014**, 90, 93
- 356 Simultaneous Pressure-Induced Magnetic and Valence Transitions in Type-I Clathrate Eu<sub>8</sub>Ga<sub>16</sub>Ge<sub>30</sub>. *Journal of the Physical Society of Japan*, **2014**, 83, 013701 1.5 2
- 355 Microwave assisted synthesis of core-shell LiFe 1/3 Mn 1/3 Co 1/3 PO<sub>4</sub>/C nanocomposite cathode for high-performance lithium-ion batteries. *Journal of Alloys and Compounds*, **2014**, 617, 154-159 5.7 12
- 354 A Cu(2+) ion-F center complex view on the photoluminescence quenching and correlating ferrimagnetism in (Cu<sub>2</sub>(+)/Cu<sub>1</sub>(2+))(0.044)Zn(0.956)O electrospun nanobelts. **2014**, 6, 4490-7 15
- 353 Superconductivity in the Hypervalent Compound Ba<sub>2</sub>Bi(Sb<sub>1-x</sub>Bi<sub>x</sub>)<sub>2</sub> with a Square-Honeycomb Lattice. *Journal of the Physical Society of Japan*, **2014**, 83, 073705 1.5 6
- 352 Estimation of Force Constants of Al from Diffuse Neutron Scattering Measurement. *Journal of the Physical Society of Japan*, **2014**, 83, 074602 1.5 1
- 351 Negative Exchange Bias in Polycrystalline Hexagonal ScMnO<sub>3</sub>, InMnO<sub>3</sub>, YMnO<sub>3</sub>, 4H-SrMnO<sub>3</sub>, and 6H-SrMnO<sub>3</sub> and Perovskite YMnO<sub>3</sub>: Effects of Impurities. *Journal of the Physical Society of Japan*, **2014**, 83, 074703 1.5 5
- 350 Absence of Metallic Conductivity in Tetragonal and Cubic PbVO<sub>3</sub> at High Pressure. *Journal of the Physical Society of Japan*, **2014**, 83, 074711 1.5 14
- 349 Self-Compensation Property and Bonding Conversion of V-and-Mg- or V-and-Li-Codoped Rhombohedral Boron. *Journal of the Physical Society of Japan*, **2014**, 83, 034803 1.5 7
- 348 Bi<sub>3</sub>Cr<sub>2</sub>.91O<sub>11</sub>: a ferromagnetic insulator from Cr(4+)/Cr(5+) mixing. *Inorganic Chemistry*, **2014**, 53, 8362-6.1 6
- 347 Factors affecting the volumetric energy density of lithium-ion battery materials: particle density measurements and cross-sectional observations of layered LiCo(1-x)Ni(x)O<sub>2</sub> with 0 ≤ x ≤ 1. **2014**, 6, 10583-92 7
- 346 Anomalous Eu valence state and superconductivity in undoped Eu<sub>3</sub>Bi<sub>2</sub>S<sub>4</sub>F<sub>4</sub>. **2014**, 136, 15386-93 67
- 345 In Situ Embedding of Mg<sub>2</sub>NiH<sub>4</sub> and YH<sub>3</sub> Nanoparticles into Bimetallic Hydride NaMgH<sub>3</sub> to Inhibit Phase Segregation for Enhanced Hydrogen Storage. **2014**, 118, 23635-23644 28
- 344 SrAuSi<sub>3</sub>: A Noncentrosymmetric Superconductor. *Chemistry of Materials*, **2014**, 26, 2155-2165 9.6 27
- 343 Structure and Deuterium Desorption from Ca<sub>3</sub>Mg<sub>2</sub>Ni<sub>13</sub> Deuteride: A Neutron Diffraction Study. **2014**, 118, 4626-4633 14
- 342 Synthesis and reversible hydrogen storage property of novel FCC Mg<sub>0.8</sub>Sc<sub>0.2</sub>Hx prepared by high GPa pressure technique. *Journal of Alloys and Compounds*, **2014**, 587, 278-281 5.7 2
- 341 Perovskite-structure TlMnO<sub>3</sub> a new manganite with new properties. *Inorganic Chemistry*, **2014**, 53, 9800-9.1 13

340	Hydrogen absorption-desorption features and degradation mechanism of ErNi <sub>3</sub> compound. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 585, 650-655	5.7	13
339	Application of graphite-solid electrolyte composite anode in all-solid-state lithium secondary battery with Li <sub>2</sub> S positive electrode. <b>2014</b> , 262, 138-142		31
338	Crystal structures of a pentavalent bismuthate, SrBi <sub>2</sub> O <sub>6</sub> and a lead bismuth oxide (Pb <sub>1/3</sub> Bi <sub>2/3</sub> )O <sub>1.4</sub> Peer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <b>2014</b> , 2, 150-153		14
337	Fully Reversible De/hydriding of Mg Base Solid Solutions with Reduced Reaction Enthalpy and Enhanced Kinetics. <b>2014</b> , 118, 12087-12096		37
336	Crystal structure and magnetic properties of Tb-doped Ru-1222 ruthenocuprates. <b>2014</b> , 364, 68-71		1
335	Structural analysis and physical properties of Sr <sub>2</sub> LaxVO <sub>4</sub> <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 612, 114-119	5.7	2
334	X-ray Diffraction Characterization and Battery Performances of Fiber-type Li-Mn-O Electrode for Li-ion Battery. <b>2014</b> , 82, 109-112		7
333	Investigation into properties of highly functional oxides using quantum beam and thermodynamic measurement. <b>2014</b> , 122, 839-845		1
332	Crystal structure searching by free energy surface trekking: application to carbon at 1 TPa. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 500, 162003	0.3	2
331	Dielectric and piezoelectric properties of lead-free K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> -SbO <sub>3</sub> Bi <sub>0.5</sub> Li <sub>0.5</sub> TiO <sub>3</sub> system. <b>2014</b> , 122, 398-401		2
330	Field-Induced Spin-State Transition in LaCo <sub>1-x</sub> M <sub>x</sub> O <sub>3</sub> (M = Al, Ga, Rh, and Ir). <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 114712	1.5	8
329	Fluorescence quantum yield of Gd <sub>0.9-x</sub> R <sub>x</sub> Eu <sub>0.1</sub> OOH (R=Y, La) crystals. <b>2015</b> , 33, 1256-1260		2
328	Rapid growth of localized nature of carriers in the Kondo semiconductor CeFe <sub>2</sub> Al <sub>10</sub> with nonmagnetic ground state due to small Rh doping. <b>2015</b> , 92,		7
327	Magnetic Properties of Ni-based Heusler Alloys Showing Meta-Magnetic Shape Memory Effects. <b>2015</b> , 54, 98-104		
326	Neutron Diffraction Study of Antiferromagnetic Potassium Nanoclusters Incorporated into Sodalite. <b>2015</b> ,		
325	Magnetic Structures. <b>2015</b> , 203-290		1
324	Electronic conduction in La-based perovskite-type oxides. <b>2015</b> , 16, 026001		42
323	Hydrothermal synthesis and crystal structure analysis of two new cadmium bismuthates, CdBi <sub>2</sub> O <sub>6</sub> and Cd <sub>0.37</sub> Bi <sub>0.63</sub> O <sub>1.79</sub> Peer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <b>2015</b> , 3, 251-254		16



322	Structure and cation distribution in perovskites with small cations at the A site: the case of ScCoO. <b>2015</b> , 16, 024801		9
321	Correlation between T <sub>c</sub> and Crystal Structure in S-Doped FeSe Superconductors under Pressure: Studied by X-ray Diffraction of FeSe <sub>0.8</sub> S <sub>0.2</sub> at Low Temperatures. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 024713	1.5	10
320	Phase and composition controllable synthesis of cobalt manganese spinel nanoparticles towards efficient oxygen electrocatalysis. <i>Nature Communications</i> , <b>2015</b> , 6, 7345	17.4	422
319	Phase Equilibria and Oxidation Behavior of C40 Disilicides in the Nb-Cr-Si System. <b>2015</b> , 1760, 108		
318	Crystal and magnetic structures of CaCu <sub>3</sub> Fe <sub>4</sub> O <sub>12</sub> and LaCu <sub>3</sub> Fe <sub>4</sub> O <sub>12</sub> : distinct charge transitions of unusual high valence Fe. <b>2015</b> , 48, 504006		27
317	X-ray studies of dynamic aging in an aluminum alloy subjected to severe plastic deformation. <b>2015</b> , 110, 222-227		5
316	Corrosion Behavior of S450EW Low-alloy Weathering Steel in Cyclically Alternate Corrosion Environments. <b>2015</b> , 22, 1020-1023		11
315	Size Dependence of Crystal Structure and Magnetic Properties of NiO Nanoparticles in Mesoporous Silica. <b>2015</b> , 119, 1194-1200		25
314	Van Vleck paramagnetism of europium oxyhydroxide. <b>2015</b> , 33, 177-181		11
313	Phase transformation, kinetics and thermodynamics during the combustion synthesis of Mg <sub>2</sub> Al <sub>3</sub> alloy. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 628, 257-262	5.7	9
312	Mn source effects on electrochemical properties of Fe -and Ni-substituted Li <sub>2</sub> MnO <sub>3</sub> positive electrode material. <b>2015</b> , 279, 510-516		16
311	Comparative Investigations on Hydrogen Absorption/Desorption Properties of SmMgNi Compounds: The Effect of [SmNi <sub>5</sub> ]/[SmMgNi <sub>4</sub> ] Unit Ratio. <b>2015</b> , 119, 4719-4727		28
310	Rock-salt-type lithium metal sulphides as novel positive-electrode materials. <b>2014</b> , 4, 4883		54
309	High-pressure synthesis, crystal structure and magnetic properties of TlCrO <sub>3</sub> perovskite. <b>2015</b> , 44, 10785-94		13
308	HEAVY FERMIONS. Strange metal without magnetic criticality. <b>2015</b> , 349, 506-9		51
307	Preparation and properties of a new ternary phase Mg <sub>3+x</sub> Ni <sub>7-2x</sub> B <sub>2</sub> (0.17 ≤ x ≤ 0.66) and its Cu-doping effect. <i>Journal of Solid State Chemistry</i> , <b>2015</b> , 226, 24-28	3.3	2
306	Sc <sub>2</sub> NiMnO <sub>6</sub> : A Double-Perovskite with a Magnetodielectric Response Driven by Multiple Magnetic Orders. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 8012-21	5.1	30
305	Preparation of Li <sub>2</sub> S-FeS <sub>x</sub> Composite Positive Electrode Materials and Their Electrochemical Properties with Pre-Cycling Treatments. <b>2015</b> , 162, A1745-A1750		18

304	Enhanced hydrogen storage properties of a MgAg alloy with solid dissolution of indium: a comparative study. <b>2015</b> , 3, 8581-8589		40
303	Yellow luminescence of co-doped gadolinium oxyhydroxide. <b>2015</b> , 33, 712-716		3
302	Enhanced Hydrogen Generation Properties of MgH <sub>2</sub> -Based Hydrides by Breaking the Magnesium Hydroxide Passivation Layer. <b>2015</b> , 8, 4237-4252		68
301	Improvement of the piezoelectric properties in (K,Na)NbO <sub>3</sub> -based lead-free piezoelectric ceramic with two-phase co-existing state. <b>2015</b> , 117, 214102		18
300	Synthesis, characterization and observation of antisite defects in LiNiPO <sub>4</sub> nanomaterials. <b>2015</b> , 5, 11041		49
299	Pressure-induced unusual metallic state in EuNiO <sub>3</sub> . <b>2015</b> , 91,		11
298	Investigation of structural changes in chiral magnet Cr <sub>1-x</sub> NbS <sub>2</sub> under application of pressure. <b>2015</b> , 117, 183904		19
297	Role of Oxide Ions in Thermally Activated Lithium Diffusion of Li[Li <sub>1/3</sub> Ti <sub>5/3</sub> ]O <sub>4</sub> : X-ray Diffraction Measurements and Raman Spectroscopy. <b>2015</b> , 119, 10273-10281		21
296	Correlation between structure and mixed ionic-electronic conduction mechanism for (La <sub>1-x</sub> Sr <sub>x</sub> )CoO <sub>3</sub> using synchrotron X-ray analysis and first principles calculations. <b>2015</b> , 3, 6943-6953		10
295	High-pressure synthesis, crystal structures, and properties of CdMn <sub>7</sub> O <sub>12</sub> and SrMn <sub>7</sub> O <sub>12</sub> perovskites. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 9081-91	5.1	34
294	Structure and magnetic properties of (Ru <sub>0.9</sub> Nb <sub>0.1</sub> )Sr <sub>2</sub> (Gd <sub>1.34-x</sub> Nd <sub>x</sub> Ce <sub>0.66</sub> )Cu <sub>2</sub> O <sub>z</sub> system. <b>2015</b> , 29, 1542030		
293	Effects of Three-Dimensional Strain on Electric Conductivity in Au-Dispersed Pr <sub>1.90</sub> Ni <sub>0.71</sub> Cu <sub>0.24</sub> Ga <sub>0.05</sub> O <sub>4</sub> + $\delta$ <b>2015</b> , 119, 5-13		5
292	Crystal structures and hydrogenation-dehydrogenation characteristics of Er(Ni <sub>1-x</sub> Mn <sub>x</sub> ) <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 626, 189-193	5.7	3
291	Hydrogen absorption-desorption cycle durability of SmMgNi <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 621, 42-46	5.7	12
290	The First Observation of Metallic Behaviour in Nd <sub>3.5</sub> Sm <sub>0.5</sub> Ni <sub>3</sub> O <sub>8</sub> . <b>2016</b> , 2016, 1-5		4
289	Giant semiclassical magnetoresistance in high mobility TaAs <sub>2</sub> semimetal. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 042105	3.4	56
288	Theoretical and experimental investigation of defect formation / migration in Gd <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> : General rule of oxide-ion migration in A <sub>2</sub> B <sub>2</sub> O <sub>7</sub> pyrochlore. <b>2016</b> , 6, 115003		15
287	Correlation between superconductivity and bond angle of CrAs chain in non-centrosymmetric compounds ACrAs (A = K, Rb). <b>2016</b> , 6, 37878		15

- 286 Ce Core-Level Spectroscopy, and Magnetic and Electrical Transport Properties of Lightly Ce-Doped YCoO<sub>3</sub>. *Journal of the Physical Society of Japan*, **2016**, 85, 114704 1.5 2
- 285 Crystal structure and phase transition behavior in (K<sub>1-x</sub>Nax)NbO<sub>3</sub>-based lead-free piezoelectric ceramic over a wide range of temperatures. **2016**, 120, 214102 12
- 284 Pressure-induced ferroelectric to paraelectric transition in LiTaO<sub>3</sub> and (Li,Mg)TaO<sub>3</sub>. **2016**, 119, 075902 5
- 283 CO<sub>2</sub> absorption characteristics of a blanket candidate material Li<sub>2</sub>TiO<sub>3</sub> under exposure to different gas mixture. **2016**, 9, 227-232 3
- 282 Thermal and structural properties of molybdenum systems modified with aluminum, gallium, or yttrium oxide. **2016**, 56, 846-851 1
- 281 Crystallographic features related to a van der Waals coupling in the layered chalcogenide FePS<sub>3</sub>. **2016**, 120, 142114 25
- 280 Preparation of Li<sub>2</sub>S/FePS<sub>3</sub> composite positive electrode materials and their electrochemical properties. **2016**, 288, 199-203 10
- 279 Spin-Driven Multiferroic Properties of PbMn<sub>7</sub>O<sub>12</sub> Perovskite. *Inorganic Chemistry*, **2016**, 55, 6169-77 5.1 17
- 278 Ferroelectric properties and crystal structure of mixed-layer Bi<sub>7-x</sub>Sr<sub>x</sub>Ti<sub>4</sub>Nb<sub>1-x</sub>W<sub>x</sub>O<sub>21</sub> ceramics. **2016**, 498, 1-11 2
- 277 A model structure for interfacial phase change memories: Epitaxial trigonal Ge<sub>1</sub>Sb<sub>2</sub>Te<sub>4</sub>. *Journal of Alloys and Compounds*, **2016**, 679, 285-292 5.7 37
- 276 Biomimetic Transformation by a Crystal of a Chiral MnII/III Ferrimagnetic Prussian Blue Analogue. *Chemistry of Materials*, **2016**, 28, 7029-7038 9.6 18
- 275 WITHDRAWN: Structural and magnetic properties of the new brownmillerite oxides La<sub>1-x</sub>NaxSrMn<sub>2</sub>O<sub>5</sub>+[(0.1 < x < 0.3)]. **2016**, 120, 142114 12
- 274 Phase stability and magnetic behavior of hexagonal phase of N<sub>2</sub>D<sub>2</sub> system with kagome lattice under high pressure and low temperature. **2016**, 94, 1-11 3
- 273 Catalytic effect of nanostructured Mg<sub>2</sub>Ni and YH<sub>2</sub>/YH<sub>3</sub> on hydrogen absorption-desorption kinetics of the Mg-Cu-H system. *Journal of Alloys and Compounds*, **2016**, 685, 639-646 5.7 16
- 272 Crystal structures and magnetic properties of the honeycomb-lattice antiferromagnet M<sub>2</sub>(pymca)<sub>3</sub>(ClO<sub>4</sub>), (M = Fe, Co, Ni). **2016**, 59, 15-18 4
- 271 Solid Solutions between BiMnO and BiCrO. *Inorganic Chemistry*, **2016**, 55, 12348-12356 5.1 7
- 270 Superconducting H<sub>5</sub>S<sub>2</sub> phase in sulfur-hydrogen system under high-pressure. **2016**, 6, 23160 49
- 269 Magnetic and Structural Studies on Two-Dimensional Antiferromagnets (MCl)LaNb<sub>2</sub>O<sub>7</sub> (M = Mn, Co, Cr). *Journal of the Physical Society of Japan*, **2016**, 85, 034005 1.5 1

268	Substitution effect of tetravalent and pentavalent elements on thermoelectric properties in In <sub>2</sub> O <sub>3</sub> -SnO <sub>2</sub> system. <i>Transactions of the Materials Research Society of Japan</i> , <b>2016</b> , 41, 101-108	0.2	
267	Temperature dependence of dielectric and ferroelectric properties for (1-x)Bi <sub>0.5</sub> (Na <sub>0.8</sub> K <sub>0.2</sub> ) <sub>0.5</sub> TiO <sub>3</sub> -xBaZn <sub>0.5</sub> W <sub>0.5</sub> O <sub>3</sub> lead-free piezoelectric ceramics. <b>2016</b> , 499, 90-99		3
266	Geometrical Spin Frustration of Unusually High Valence Fe(5+) in the Double Perovskite La <sub>2</sub> LiFeO <sub>6</sub> . <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 6218-22	5.1	10
265	Formation of hydride phase and diffusion of hydrogen in the V <sub>II</sub> system varied by substitutional Fe. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 6369-6375	6.7	7
264	Formation of Methane Clathrate Hydrates in Coal Moisture: Implications for Coalbed Methane Resources and Reservoir Pressures. <b>2016</b> , 30, 88-97		14
263	Direct mechanochemical formation of alkali metal borohydrides nanocrystals exhibiting kinetic and thermodynamic destabilizations. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 2807-2813	6.7	
262	Low-Temperature Structural Modulations in CdMn <sub>7</sub> O <sub>12</sub> , CaMn <sub>7</sub> O <sub>12</sub> , SrMn <sub>7</sub> O <sub>12</sub> , and PbMn <sub>7</sub> O <sub>12</sub> Perovskites Studied by Synchrotron X-ray Powder Diffraction and Mössbauer Spectroscopy. <b>2016</b> , 120, 8278-8288		29
261	Structural changes in Sr <sub>9</sub> In(PO <sub>4</sub> ) <sub>7</sub> during antiferroelectric phase transition. <b>2016</b> , 52, 176-185		5
260	Effects of operation temperature in artificially aging of zinc oxide varistors by high current short impulses. <b>2016</b> , 134, 145-151		6
259	A New ZrCuSiAs-Type Superconductor: ThFeAsN. <b>2016</b> , 138, 2170-3		46
258	LiNbO <sub>3</sub> -Type Oxide (Tl(1-x)Sc(x))ScO <sub>3</sub> : High-Pressure Synthesis, Crystal Structure, and Electronic Properties. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 1940-5	5.1	5
257	Effect of dissolved oxygen on hydrogenation of vanadium and hydrogen diffusion in the monohydride phase. <b>2016</b> , 103, 23-29		5
256	Understanding gate adsorption behaviour of CO <sub>2</sub> on elastic layer-structured metal-organic framework-11. <b>2016</b> , 45, 4193-202		30
255	Synthesis and magnetic properties of SmOOH crystals. <b>2016</b> , 398, 82-85		3
254	Crystal structure and microwave dielectric properties of (Ca <sub>1-x</sub> Sr <sub>x</sub> )SiO <sub>3</sub> (x= 1 and 0.8) ring silicates for millimeter-wave applications. <b>2017</b> , 96, 115-120		6
253	Charge Density Wave and Crystal Structure of (K <sub>x</sub> WO <sub>3</sub> ) ((x=0.20) and 0.22) Prepared by Hybrid Microwave Method. <b>2017</b> , 188, 1-10		1
252	Preparation of one-dimensional diluted magnetic semiconducting Cr <sub>0.046</sub> Zn <sub>0.954</sub> O and properties tuning with H <sub>2</sub> atmospheric annealing. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 083107	3-4	15
251	Solid solution of Cu in Mg <sub>2</sub> NiH <sub>4</sub> and its destabilized effect on hydrogen desorption. <b>2017</b> , 193, 1-6		14

- 250 Colossal negative thermal expansion in reduced layered ruthenate. *Nature Communications*, **2017**, 8, 14102 17.4 116
- 249 Five-Fold Ordering in High-Pressure Perovskites RMnO (R = Gd-Tm and Y). *Inorganic Chemistry*, **2017**, 56, 5210-5218 5.1 21
- 248 Structure and interstitial iodide migration in hybrid perovskite methylammonium lead iodide. *Nature Communications*, **2017**, 8, 15152 17.4 62
- 247 Construction of hybrid hollow architectures by in-situ rooting ultrafine ZnS nanorods within porous carbon polyhedra for enhanced lithium storage properties. *Chemical Engineering Journal*, **2017**, 326, 680-690 14.7 113
- 246 Mechanical properties and dislocation character of YB4 and YB6. *Intermetallics*, **2017**, 89, 86-91 3.5 5
- 245 Lead-free piezoelectric (K,Na)NbO<sub>3</sub>-based ceramic with planar-mode coupling coefficient comparable to that of conventional lead zirconate titanate. *Japanese Journal of Applied Physics*, **2017**, 56, 061501 1.4 9
- 244 Millimeter-Wave Materials. **2017**, 203-265 4
- 243 Magnesium effect on hydrogen-induced amorphization of Sm 2 $\times$  Mg x Ni 4 compounds. *Journal of Alloys and Compounds*, **2017**, 711, 312-318 5.7 6
- 242 High-precision quantitative atomic-site-analysis of functional dopants in crystalline materials by electron-channelling-enhanced microanalysis. **2017**, 63, 40-61 5
- 241 Synthesis, crystal structure and physical properties of a new oxypnictide Ba<sub>2</sub>Ti<sub>2</sub>Cr<sub>2</sub>As<sub>4</sub>O containing [Ti<sub>2</sub>As<sub>2</sub>O]<sub>2</sub> and [Cr<sub>2</sub>As<sub>2</sub>]<sub>2</sub> layers. *Journal of Alloys and Compounds*, **2017**, 694, 1149-1153 5.7 4
- 240 Intrinsic Thermal Management Capabilities of Flexible Metal-Organic Frameworks for Carbon Dioxide Separation and Capture. **2017**, 9, 41066-41077 32
- 239 Solvent-mediated purification of hexa-molybdenum cluster halide, Cs<sub>2</sub>[Mo<sub>6</sub>Cl<sub>14</sub>] for enhanced optical properties. **2017**, 19, 6028-6038 6
- 238 Synchrotron X-ray Diffraction and High-Pressure Electrical Resistivity Studies for High-T<sub>c</sub> Candidate Nd<sub>3.5</sub>Sm<sub>0.5</sub>Ni<sub>3</sub>O<sub>8</sub>. *Journal of the Physical Society of Japan*, **2017**, 86, 114605 1.5 1
- 237 Complex Structural Behavior of BiMnO Quadruple Perovskite. *Inorganic Chemistry*, **2017**, 56, 12272-12284 5.1 16
- 236 Hierarchically porous-structured Zn<sub>x</sub>Co<sub>1-x</sub>S@CNT nanocomposites with high-rate cycling performance for lithium-ion batteries. **2017**, 5, 23221-23227 53
- 235 Giant negative thermal expansion in Fe-doped layered ruthenate ceramics. *Applied Physics Express*, **2017**, 10, 115501 2.4 21
- 234 Electrically insulating properties of the 5d double perovskite Sr<sub>2</sub>YO<sub>6</sub>. **2017**, 122, 103905
- 233 Hysteresis phenomena on the crystal lattice of Ti<sub>0.8</sub>Zr<sub>0.2</sub>Mn<sub>1.5</sub> in the hydrogenation and dehydrogenation process. *International Journal of Hydrogen Energy*, **2017**, 42, 16667-16674 6.7 1

232	Synthesis and Superconductivity of a Strontium Digermanide SrGe with ThSi Structure. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 8590-8595	5.1	5
231	General Synthesis of Dual Carbon-Confined Metal Sulfides Quantum Dots Toward High-Performance Anodes for Sodium-Ion Batteries. <b>2017</b> , 27, 1702046		212
230	Structural, magnetic, and dielectric properties of solid solutions between BiMnO <sub>3</sub> and YMnO <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 246, 8-15	3.3	9
229	Comparative investigation on electrochemical properties of SmMgNi <sub>4</sub> , Sm <sub>2</sub> MgNi <sub>9</sub> and SmNi <sub>5</sub> compounds. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 4269-4275	6.7	4
228	A reinterpretation of the structural and magnetic properties of La <sub>1-x</sub> NaxSrMn <sub>2</sub> O <sub>5+δ</sub> (0.1 ≤ x ≤ 0.3). <b>2017</b> , 186, 1-4		
227	Spin order in the Heisenberg kagome antiferromagnet MgFe <sub>3</sub> (OH) <sub>6</sub> Cl <sub>2</sub> . <b>2017</b> , 96,		2
226	Improvement of electrochemical property of pyroxene-type LiFeSi <sub>2</sub> O <sub>6</sub> and crystal-structure analysis. <b>2017</b> , 125, 281-286		5
225	Charge ordering in Sm <sub>4</sub> Bi <sub>3</sub> under pressure. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 950, 042035	0.3	
224	Magnetic phase diagram of Sr <sub>2-x</sub> LaxIrO <sub>4</sub> synthesized by mechanical alloying. <b>2018</b> , 97,		8
223	ZnO Nanoparticle Functionalization by Organosilanes Catalyzed with Ethylene Diamine for Production of Stable Nanodispersions in Water. <b>2018</b> , 91, 40-48		2
222	Pressure dependence of electron density distribution and d-p-hybridization in titanate perovskite ferroelectrics. <b>2018</b> , 97,		4
221	Structure analyses of Fe-substituted Li <sub>2</sub> S-based positive electrode materials for Li-S batteries. <b>2018</b> , 320, 387-391		9
220	Mn Self-Doping of Orthorhombic RMnO Perovskites: (RMn)MnO with R = Er-Lu. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 2773-2781	5.1	12
219	Phase transition behavior of (K,Na)NbO <sub>3</sub> -based high-performance lead-free piezoelectric ceramic composite with different phase compositions depending on Na fraction. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 011502	1.4	1
218	Rietveld refinement of the crystal structure of perovskite solar cells using CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> and other compounds. <b>2018</b> ,		2
217	Charge and orbital orders and structural instability in high-pressure quadruple perovskite CeCuMnO. <b>2018</b> , 30, 074003		2
216	In Situ Formation of Cobalt Nitrides/Graphitic Carbon Composites as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <b>2018</b> , 10, 7134-7144		166
215	Core-shell Fe <sub>3</sub> O <sub>4</sub> @Fe ultrafine nanoparticles as advanced anodes for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 833-839	5.7	12

214	Effect of Mg substitution on crystalline structure and hydrogenation of Gd <sub>4</sub> MgNi <sub>19</sub> . <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 1675-1680	6.7	1
213	High-Pressure Synthesis, Structures, and Properties of Trivalent A-Site-Ordered Quadruple Perovskites RMnO (R = Sm, Eu, Gd, and Tb). <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5987-5998	5.1	15
212	Promotion of the bifunctional electrocatalytic oxygen activity of manganese oxides with dual-affinity phosphate. <b>2018</b> , 277, 143-150		13
211	Tunable electronic coupling of cobalt sulfide/carbon composites for optimizing oxygen evolution reaction activity. <b>2018</b> , 6, 10304-10312		68
210	Strongly coupling of Co <sub>9</sub> S <sub>8</sub> /Zn-Co-S heterostructures rooted in carbon nanocages towards efficient oxygen evolution reaction. <b>2018</b> , 361, 322-330		55
209	Destabilization of LiBH <sub>4</sub> by SrF <sub>2</sub> for reversible hydrogen storage. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 5098-5103	6.7	8
208	RietveldToTensor: Program for Processing Powder X-Ray Diffraction Data under Variable Conditions. <b>2018</b> , 44, 33-40		34
207	Up- and down-conversion characteristics of Gd <sub>1.98</sub> Er <sub>0.02</sub> O <sub>3</sub> . <b>2018</b> , 154, 226-233		3
206	Highly Oriented Magnetic Film Composed of Ga-Substituted Iron Oxide and the Angular Dependence of the Magnetic Hysteresis Loops. <b>2018</b> , 2018, 847-851		3
205	Rietveld refinement of crystal structure of perovskite CH <sub>3</sub> NH <sub>3</sub> Pb(Sb)I <sub>3</sub> solar cells. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 02CE02	1.4	10
204	Embedding ZnSe nanodots in nitrogen-doped hollow carbon architectures for superior lithium storage. <b>2018</b> , 11, 966-978		89
203	Synthesis and hydrogen desorption kinetics of Mg <sub>2</sub> FeH <sub>6</sub> - and Mg <sub>2</sub> CoH <sub>5</sub> -based composites with in situ formed YH <sub>3</sub> and Mg <sub>2</sub> NiH <sub>4</sub> nanoparticles. <b>2018</b> , 1		2
202	Thermal Dehydrogenation Characteristics of Li-Sr-Al-N-H Hydrogen Storage System. <b>2018</b> , 21,		
201	Disclosing the Rich Crystal Chemistry of Lesinurad by ab Initio Laboratory X-ray Powder Diffraction Methods. <b>2018</b> , 18, 6863-6872		1
200	Microstructural effects on negative thermal expansion extending over a wide temperature range in Cu <sub>1.8</sub> Zn <sub>0.2</sub> V <sub>2</sub> O <sub>7</sub> . <i>Applied Physics Letters</i> , <b>2018</b> , 113, 181902	3.4	26
199	Coexistence of a metastable double hcp phase in bcc/fcc structure transition of Te under high pressure. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 025601	1.4	5
198	Microstructure characterization and hydrogen storage properties study of Mg <sub>2</sub> Ni <sub>0.92</sub> M <sub>0.08</sub> (M = Ti, V, Fe or Si) alloys. <b>2018</b> , 28, 464-469		8
197	Oxidation states and thermoelectric properties of BiCuSeO bulks fabricated under Bi or Se deficiencies in the nominal composition. <b>2018</b> , 123, 245104		12



- 196 Extended operating temperature window of giant negative thermal expansion in Sn-doped  $\text{Ca}_2\text{RuO}_4$ . *Applied Physics Letters*, **2018**, 113, 071902 3.4 11
- 195 Electronic and Thermoelectric Properties of Layered Oxychalcogenides  $(\text{BiO})\text{Cu Ch}$  ( $\text{Ch} = \text{S}, \text{Se}, \text{Te}$ ). *Inorganic Chemistry*, **2018**, 57, 10214-10223 5.1 20
- 194 High-Pressure Synthesis, Crystal Structure, and Semimetallic Properties of  $\text{HgPbO}$ . *Inorganic Chemistry*, **2018**, 57, 7601-7609 5.1 1
- 193 Intrinsic alterations in the hydrogen desorption of  $\text{MgNiH}$  by solid dissolution of titanium. **2018**, 47, 8418-84266
- 192 Static and Dynamic Structures of Perovskite Halides  $\text{ABX}_3$  ( $\text{B} = \text{Pb}, \text{Sn}$ ) and Their Characteristic Semiconducting Properties by a H kel Analytical Calculation. **2018**, 91, 1196-1204 9
- 191 Weak metal-metal transition in the vanadium oxytelluride  $\text{Rb}_{1/2}\text{Te}_2\text{O}$ . **2018**, 97, 6
- 190 Enhancing Fast Lithium Ion Conduction in  $\text{Li}_4\text{GeO}_4\text{Li}_3\text{PO}_4$  Solid Electrolytes. **2019**, 2, 6608-6615 19
- 189 Magnetic structures. **2019**, 20, 770-802 4
- 188 Destabilizing the Dehydrogenation Thermodynamics of Magnesium Hydride by Utilizing the Immiscibility of Mn with Mg. *Inorganic Chemistry*, **2019**, 58, 14600-14607 5.1 13
- 187 Spin-Glass Magnetic Properties of A-Site Columnar-Ordered Quadruple Perovskites  $\text{YMnGa}(\text{MnGa})\text{O}$  with  $0 \leq x \leq 1$ . *Inorganic Chemistry*, **2019**, 58, 14830-14841 5.1 2
- 186 Superconductivity in a new layered triangular-lattice system  $\text{Li}_2\text{IrSi}_2$ . **2019**, 21, 093056 0
- 185 Relation between O8 cluster shape and vibrational spectra in the  $\beta$ -phase of solid oxygen. *Japanese Journal of Applied Physics*, **2019**, 58, 095502 1.4 1
- 184 Superior Hydrogen Absorption/Desorption Cycle Durability of Ball-Milled  $82\text{MgH}_2\text{-}3\text{PrH}_2\text{-}15\text{Al}$  Composite. **2019**, 4, 11759-11765 1
- 183 Magnetic properties of ternary silver sulfides  $\text{AgLnS}_2$  ( $\text{Ln} = \text{rare earths}$ ). *Journal of Solid State Chemistry*, **2019**, 280, 121012 3.3 0
- 182 Crystal Structures and Electrochemical Properties of  $\text{R}_{1.5}\text{Ca}_{1.5}\text{MgNi}_{14}$  ( $\text{R} = \text{Nd}, \text{Gd}$  and  $\text{Er}$ ) Hydrogen Storage Alloys. **2019**, 35, 1040-1045 2
- 181 Synthesis, structure, and magnetic and dielectric properties of magnetoelectric  $\text{BaDyFeO}_4$  ferrite. *Journal of Alloys and Compounds*, **2019**, 811, 151963 5.7 2
- 180 Crystal structures and magnetic properties of dimorphic  $\text{Li}_3\text{OsO}_4$ . **2019**, 97, 106009
- 179 Improved cycle durability of hydrogen absorption and desorption in melt-spun  $\text{Mg}_{86}\text{Pr}_3\text{Al}_{11}$  alloy. **2019**, 255, 126548 5

- <sup>178</sup> Hydrothermal synthesis of  $\text{KTi}_2(\text{PO}_4)_3$ ,  $\text{HfTi}(\text{HPO}_4)_2 \cdot 2\text{H}_2\text{O}$  and  $\text{HfTi}(\text{PO}_4)(\text{H}_2\text{PO}_4) \cdot 2\text{H}_2\text{O}$  from a lepidocrocite-type titanate. **2019**, 7, 361-367 2
- <sup>177</sup> Improvement of Cycle Capability of Fe-Substituted  $\text{Li}_2\text{S}$ -Based Positive Electrode Materials by Doping with Lithium Iodide. **2019**, 166, A5231-A5236 6
- <sup>176</sup> Giant isotropic negative thermal expansion in Y-doped samarium monosulfides by intra-atomic charge transfer. **2019**, 9, 122 13
- <sup>175</sup> Quantitative phase analysis of fly ash of municipal solid waste by X-ray powder diffractometry/Rietveld refinement. **2019**, 21, 829-837 6
- <sup>174</sup> Superconductivity of the hydrogen-rich metal hydride  $\text{Li}_5\text{MoH}_{11}$  under high pressure. **2019**, 99, 22
- <sup>173</sup>  $\text{O}_2$  atmospheric annealing-tunable defects in ionic oxide  $\text{MgO}$  nanoribbons. *Applied Physics Letters*, **2019**, 114, 203101 3-4 12
- <sup>172</sup> Iron-Doping-Induced Phase Transformation in Dual-Carbon-Confined Cobalt Diselenide Enabling Superior Lithium Storage. **2019**, 13, 6113-6124 73
- <sup>171</sup> Successive Phase Transition at Ambient Pressure in  $\text{CeCoSi}$ : Single Crystal Studies. *Journal of the Physical Society of Japan*, **2019**, 88, 054716 1.5 10
- <sup>170</sup> Enhanced hydrogen storage kinetics of an  $\text{Mg-Pr-Al}$  composite by in situ formed  $\text{PrAl}$  nanoparticles. **2019**, 48, 7735-7742 12
- <sup>169</sup> Crystal structure and magnetic properties of A-site-ordered quadruple perovskite  $\text{CeCu}_3\text{Cr}_4\text{O}_{12}$ . *Journal of Alloys and Compounds*, **2019**, 793, 42-48 5-7 5
- <sup>168</sup> Effect of carbon partition in the reverted austenite of supermartensitic stainless steel. **2019**, 6, 086518 2
- <sup>167</sup> Hydrogen storage performances of  $\text{RCaMgNi}_9$  ( $\text{R} = \text{Nd, Gd and Er}$ ) compounds. *Journal of Alloys and Compounds*, **2019**, 794, 45-52 5-7 5
- <sup>166</sup> Subunit volume control mechanism for dehydrogenation performance of  $\text{AB}_3$ -type superlattice intermetallics. **2019**, 427, 145-153 12
- <sup>165</sup> Physics-Guided Data-Mining Driven Design of Room-Temperature Multiferroic Perovskite Oxides. **2019**, 13, 1900028 0
- <sup>164</sup> Oriented Transformation of  $\text{Co-LDH}$  into 2D/3D  $\text{ZIF-67}$  to Achieve  $\text{Co-LDH}$  Hybrids for Efficient Overall Water Splitting. **2019**, 9, 1803918 172
- <sup>163</sup> Core loss in magnetic rings made of  $\text{Fe}_{16}\text{N}_2$ -like iron nitride powder. *Journal of Alloys and Compounds*, **2019**, 789, 697-703 5-7 2
- <sup>162</sup> Crystal structures of cation non-stoichiometric  $\text{RMn}_3\text{O}_6$  ( $\text{R} = \text{Gd, Er, and Tm}$ ) manganites belonging to A-site columnar-ordered quadruple perovskite family. *Journal of Solid State Chemistry*, **2019**, 275, 43-48 2-3 3
- <sup>161</sup> Controlled phase evolution from  $\text{CuCoS}$  to  $\text{CuCoS}$  hexagonal nanosheets as oxygen evolution reaction catalysts.. **2019**, 9, 9729-9736 5

160	High-pressure synthesis, crystal structure, and magnetic properties of hexagonal Ba <sub>3</sub> CuOs <sub>2</sub> O <sub>9</sub> . <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 272, 182-188	3.3	3
159	Valence Variations by B-Site Doping in A-Site Columnar-Ordered Quadruple Perovskites SmMnMn(MnTi) <sub>3</sub> O with 1/2 B. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 3492-3501	5.1	9
158	Substitution Effects on Magnetic Ground States with Geometrical Spin Frustration in Triangular Spin Tubes Formed in CsCrF <sub>4</sub> and KCrF <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2019</b> , 88, 114703	1.5	0
157	Effect of Cr Addition on the Phase Equilibria and Oxidation Behavior of NbSi <sub>2</sub> . <i>Materials Transactions</i> , <b>2019</b> , 60, 666-673	1.3	1
156	Electric Hyperfine Interactions of <sup>57</sup> Fe Impurity Atoms in ACrO <sub>3</sub> Perovskite-Type Chromites (A = Sc, In, Tl, Bi). <b>2019</b> , 129, 896-902		3
155	Icosahedral quasicrystal, 1/1 and 2/1 approximants in Zn-based ternary alloys containing Au and Yb/Tb. <b>2019</b> , 99, 351-359		2
154	Effect of half substitution of R (R' = Nd, Gd and Er) for Ca on crystal structure and hydrogen storage properties of CaMgNi <sub>4</sub> . <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 771, 711-720	5.7	8
153	Hydrogen Storage Properties and Reactive Mechanism of LiBH <sub>4</sub> /Mg <sub>10</sub> YNi-H Composite. <b>2019</b> , 22,		1
152	Wavelength conversion characteristics of Y <sub>1-x</sub> Er <sub>x</sub> Yb BaZn <sub>3</sub> AlO <sub>7</sub> . <b>2019</b> , 180, 1043-1048		1
151	Displacive structural phase transitions and the magnetic ground state of quadruple perovskite YMn <sub>7</sub> O <sub>12</sub> . <b>2019</b> , 99,		7
150	Fabrication of Yb-doped Lu <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> solid solutions transparent ceramics by self-propagating high-temperature synthesis and vacuum sintering. <b>2019</b> , 45, 522-529		21
149	A-site-ordered quadruple perovskite manganite CeMn <sub>7</sub> O <sub>12</sub> with trivalent cations. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 283, 121161	3.3	4
148	Spray-dry synthesis of Cu <sub>1.8</sub> Zn <sub>0.2</sub> V <sub>2</sub> O <sub>7</sub> ceramic fine particles showing giant negative thermal expansion. <b>2020</b> , 103, 2757-2763		11
147	Microstructure and Hydrogen Storage Properties of Melt-Spun Mg <sub>91</sub> Y <sub>3</sub> Al <sub>6</sub> Alloy. <b>2020</b> , 5, 11403-11408		3
146	Observation of high-pressure bcc phase of titanium at 243 GPa. <b>2020</b> , 128, 035901		1
145	Crystallographic hydride phase analysis and hydrogenation properties of Gd <sub>2</sub> Co <sub>7</sub> with Ce <sub>2</sub> Ni <sub>7</sub> - and Er <sub>2</sub> Co <sub>7</sub> -type structures. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 27413-27420	6.7	1
144	High lithium ionic conductivity of Li <sub>3</sub> PO <sub>4</sub> -type solid electrolytes in Li <sub>4</sub> GeO <sub>4</sub> -Li <sub>4</sub> SiO <sub>4</sub> -Li <sub>3</sub> VO <sub>4</sub> quasi-ternary system. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 292, 121651	3.3	8
143	Dynamics of Hydroxyl Anions Promotes Lithium Ion Conduction in Antiperovskite Li <sub>2</sub> OHCl. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 8481-8491	9.6	21

142	Sol-gel synthesis of doped Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> fine particles showing giant negative thermal expansion. <b>2020</b> , 10, 075207		8
141	Magnetically driven loss of centrosymmetry in metallic Pb <sub>2</sub> CoOsO <sub>6</sub> . <b>2020</b> , 102,		4
140	Enhanced magnetization of the highest-TC ferrimagnetic oxide Sr <sub>2</sub> CrOsO <sub>6</sub> . <b>2020</b> , 102,		5
139	Corundum insulating phases in highly Ti-doped V <sub>2</sub> O <sub>3</sub> nanocrystals. <b>2020</b> , 101,		2
138	High-Pressure Synthesis, Crystal Structures, and Properties of A-Site Columnar-Ordered Quadruple Perovskites NaRMnTiO with R = Sm, Eu, Gd, Dy, Ho, Y. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9065-9076	5.1	4
137	Superconductivity in 5d transition metal Laves phase SrIr. <b>2020</b> , 32, 175703		4
136	Effect of lattice distortions on the electron and thermal transport properties of transparent oxide semiconductor Ba <sub>1-x</sub> Sr <sub>x</sub> SnO <sub>3</sub> solid solution films. <b>2020</b> , 127, 115701		4
135	Dielectric Losses of Microwave Ceramics Based on Crystal Structure. <b>2020</b> ,		2
134	Crystal Structure, Microhardness, and Toughness of Biomineral CaCO <sub>3</sub> . <b>2020</b> , 20, 2091-2098		6
133	Study of Polycrystalline Bulk SrOsO Double-Perovskite Insulator: Comparison with 1000 K Ferromagnetic Epitaxial Films. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 4049-4057	5.1	5
132	Crystal Morphology Analysis for Heavy Elements in Municipal Solid Waste Incineration Fly and Bottom Ash by X-ray Characterization Techniques. <b>2020</b> , 36, 471-477		1
131	Preparation and photocatalytic properties of rutile TiO <sub>2</sub> with a unique morphology and SrTiO <sub>3</sub> /TiO <sub>2</sub> composites obtained by acid treatment of SrTiO <sub>3</sub> . <b>2020</b> , 125, 110762		10
130	Enhanced Low-Temperature Hydrogen Storage in Nanoporous Ni-Based Alloy Supported LiBH. <b>2020</b> , 8, 283		5
129	Solid-State Spin Equilibrium of Ni(cyclam) Complex: Magnetostructural Correlations in Two Polymorphs. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5418-5423	5.1	4
128	Ferrimagnetic and relaxor ferroelectric properties of R <sub>2</sub> MnMn(MnTi <sub>3</sub> )O <sub>12</sub> perovskites with R = Nd, Eu, and Gd. <b>2021</b> , 9, 947-956		3
127	Zr- and Ce-doped LiY(BO) electrolyte for all-solid-state lithium-ion battery.. <b>2021</b> , 11, 16530-16536		0
126	Ni, beyond thermodynamic tuning, maintains the catalytic activity of V species in Ni <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> doped MgH <sub>2</sub> . <b>2021</b> , 9, 8341-8349		6
125	A plethora of structural transitions, distortions and modulations in Cu-doped BiMn <sub>7</sub> O <sub>12</sub> quadruple perovskites. <b>2021</b> , 9, 10232-10242		1

124	Nano-grinding derived high-performance $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Mn}_{0.54}\text{O}_2$ cathode material: from kilogram-scale synthesis to its pouch cell. <b>2021</b> , 27, 491-506		0
123	Effects of zinc ions at tetrahedral sites in spinel oxides on catalytic activity for oxygen evolution reaction. <b>2021</b> , 394, 50-57		6
122	Synergetic effect of multiple phases on hydrogen desorption kinetics and cycle durability in ball milled $\text{MgH}_2/\text{PrF}_3/\text{AlNi}$ composite. <b>2021</b> , 31, 152-158		2
121	Crystal structure of intermetallic compound $\text{Y}_5\text{Co}_{19}$ and its hydride phases. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 9142-9150	6.7	3
120	Solid Solutions between $\text{PbVO}$ and $\text{BiCoO}$ . <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 4957-4965	5.1	0
119	Whole-Voltage-Range Oxygen Redox in P2-Layered Cathode Materials for Sodium-Ion Batteries. <b>2021</b> , 33, e2008194		39
118	Temperature evolution of 3- and 4-electron magnetic ordering in the ferrimagnetic Mn self-doped perovskite $(\text{YbMn})\text{MnO}$ . <b>2021</b> , 33,		1
117	Coupling of nanoconfinement with metallic catalysis in supported $\text{NaAlH}_4$ for low-temperature hydrogen storage. <b>2021</b> , 491, 229611		5
116	Phase Transitions in the "Spinel-Layered" $\text{LiNiMnO}$ ( $x = 0, 0.5, 1$ ) Cathodes upon (De)lithiation Studied with Operando Synchrotron X-ray Powder Diffraction. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
115	Antiferromagnetic Order Breaks Inversion Symmetry in a Metallic Double Perovskite, $\text{Pb}_2\text{NiOsO}_6$ . <i>Chemistry of Materials</i> , <b>2021</b> , 33, 4188-4195	9.6	0
114	Strategy of thermodynamic and kinetic improvements for Mg hydride nanostructured by immiscible transition metals. <b>2021</b> , 494, 229742		8
113	Hydrogenation characteristics of $\text{Ce}_2\text{Ni}_7$ -type $\text{La}_2\text{Co}_7$ and its phase transformation during hydrogen absorption-desorption processes. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 299, 122201	3.3	1
112	Strategy to Design-Synthesize Bimetallic Nanostructures Using the Alcohol Reduction Method. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 14436-14445	5.1	2
111	A Polar Magnetic and Insulating Double Corundum Oxide: $\text{Mn}_2\text{MnSbO}_6$ with Ordered Mn(II) and Mn(III) Ions. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 6522-6529	9.6	1
110	Planar defect in approximant: the case of Cu-Al-Sc alloy. 1-23		
109	Comparative investigation on the hydrogen absorption-desorption characteristics of $\text{R}_2\text{MgNi}_9$ ( $\text{R} = \text{Nd, Gd and Er}$ ) compounds. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 885, 160883	5.7	3
108	In Situ Neutron Diffraction During Thermo-Mechanically Controlled Process for Low Alloy Steels. <b>2010</b> , 175-190		6
107	High-pressure synthesis, crystal structures, and magnetic and dielectric properties of $\text{GdFeO}_3$ -type perovskites $(\text{Dy}_{0.5}\text{Mn}_{0.5})(\text{Mn}_{1-x}\text{Ti}_x)\text{O}_3$ with $x \approx 0.5$ and 0.75. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 825, 154019	5.7	4

106	Structural stability of CuAlO under pressure. <b>2020</b> , 33, 035403		1
105	Room-temperature ferrimagnetism of anti-site-disordered Ca <sub>2</sub> MnOsO <sub>6</sub> . <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	10
104	Monoclinic YFe <sub>12</sub> phases predicted from first principles. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	3
103	Chemical Substitution Effect on MgB <sub>2</sub> Superconductor. <i>Journal of the Physical Society of Japan</i> , <b>2002</b> , 71, 326-328	1.5	2
102	Magnetic Properties of Oxygen Deficient Y <sub>0.33</sub> Sr <sub>0.67</sub> CoO <sub>3-<math>\delta</math></sub> <b>2007</b> , 111, 79-86		2
101	Crystal structures of perovskite halide compounds used for solar cells. <b>2020</b> , 59, 264-305		37
100	Cation Distribution Dependence on Thermoelectric Properties of Doped Spinel M <sub>0.6</sub> Fe <sub>2.4</sub> O <sub>4</sub> . <i>Materials Transactions</i> , <b>2012</b> , 53, 1164-1168	1.3	4
99	Distribution of Fe <sup>3+</sup> in a synthetic (Ca,Nb) <sub>2</sub> (Mg,Fe <sup>3+</sup> )Si <sub>2</sub> O <sub>7</sub> -melilite: 57Fe Mössbauer and X-ray Rietveld studies. <b>2005</b> , 100, 229-236		8
98	Texture of lutecite. <b>2013</b> , 108, 87-93		2
97	57Fe Moessbauer and X-ray Rietveld studies of ferrian prehnite from Kouragahana, Shimane Peninsula, Japan. <b>2003</b> , 98, 31-40		10
96	Giant Magnetoresistance of Spinel-Type Fe <sub>1-x</sub> Mn <sub>x</sub> Cr <sub>2</sub> S <sub>4</sub> . <i>Journal of the Magnetism Society of Japan</i> , <b>2004</b> , 28, 347-350		1
95	Curie Temperature and Magnetic Exchange Interaction of Mg <sub>1+x</sub> Fe <sub>2-2x</sub> Ti <sub>x</sub> O <sub>4</sub> (0.LEQ.x.LEQ.0.5). <i>Journal of the Magnetism Society of Japan</i> , <b>2006</b> , 30, 166-169		1
94	Dielectric Response and Structural Analysis of (A, Nb) Cosubstituted CaCuTiO Ceramics (A: Al and Bi). <b>2020</b> , 13,		3
93	Effects of Crystal Structure on Microwave Dielectric Properties of Ceramics. <b>2008</b> , 45, 251-255		19
92	Preparation and Structural Properties of ZnAl <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> Spinel Oxide. <b>2016</b> , 07, 203-209		3
91	Synthesis and Characterization of CaPd <sub>3</sub> O <sub>4</sub> Crystals. <b>2012</b> , 02, 16-20		8
90	Synthesis, Characterization and Charge-Discharge Properties of Layer-Structure Lithium Zinc Borate, LiZnBO <sub>3</sub> . <b>2013</b> , 04, 246-249		2
89	Dependence of Li Content on Crystal Structure during the Charge-Discharge Process of LiMn <sub>1.5</sub> Ni <sub>0.5</sub> O <sub>4</sub> as a CathodeMaterial for 5 V Class Lithium Secondary Battery. <b>2003</b> , 71, 1142-1144		6

88	Relation between Crystal Structure, Electronic Structures and Electrode Performances of $\text{LiMn}_{2-x}\text{Zn}_x\text{O}_4$ ( $x=0.05, 0.10$ ) as a Cathode Active Material for Li Secondary Battery. <b>2003</b> , 71, 703-709		4
87	Relation between Cycle Performances and Electronic States of $\text{LiMn}_{2-x}\text{M}_x\text{O}_4$ ( $M = \text{Mn, Mg, Al, Co, Ni, Zn}$ ) using MEM/Rietveld and First-principles Calculation (DV-X $\alpha$ method). <b>2004</b> , 72, 20-26		7
86	Thermodynamic Stability and Cathode Performance of $\text{LiMn}_{2-x}\text{Ni}_x\text{O}_4$ as an Active Material for Li Secondary Battery. <b>2004</b> , 72, 557-563		6
85	Physical Property, Crystal Structure and Electrode Performance Depend on Synthetic Condition of $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$ as Cathode Materials for 5 V Class Lithium Secondary Battery. <b>2004</b> , 72, 564-568		5
84	Thermodynamic Stability and Crystal Structure Dependence of Li Content for $\text{Li}_x\text{Mn}_{2-y}\text{M}_y\text{O}_4$ ( $M = \text{Mg, Al, Cr, Mn}$ ) as a Cathode Active Material for Li Secondary Battery. <b>2004</b> , 72, 680-687		10
83	?????????????????????????????????????. <b>2005</b> , 73, 71-76		3
82	Effects of A-Site Ions on the Phase Transition Temperatures and Dielectric Properties of $(1-x)(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3\text{-}x\text{AZrO}_3$ Solid Solutions. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 09ND10	1.4	33
81	Local Structure Analysis of $\text{Bi}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}_3$ Grown by High Pressure Synthesis. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 09NE06	1.4	4
80	Evolution of Tetragonal Phase in the FeSe Wire Fabricated by a Novel Chemical-Transformation Powder-in-Tube Process. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 010101	1.4	14
79	Giant negative thermal expansion of polycrystalline $\text{Ti}_2\text{O}_3$ induced by microstructural effects. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 171901	3.4	3
78	Carrier-doping Effects in Layered Oxysulfides $\text{Sr}_2\text{CuMnO}_3\text{S}$ and $\text{Sr}_4\text{Cu}_2\text{Mn}_3\text{O}_{7.5}\text{S}_2$ . <i>Journal of the Magnetism Society of Japan</i> , <b>2003</b> , 27, 666-669		
77	Recovery of Fine Aggregate and Cement Hydrate Powder from Fine Waste Concrete by Multi-Gravity Separator. <i>Shigen-to-Sozai</i> , <b>2003</b> , 119, 553-558		2
76	Addendum to Doping-Dependent Magnetic Structure of $\text{Tb}_{1-x}\text{Ca}_x\text{MnO}_3$ <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 1312-1312	1.5	
75	Magnetic and Dielectric Behavior of the Ruthenium Double Perovskite Oxides $\text{R}_2\text{MRuO}_6$ ( $R=\text{La, Pr}$ and $\text{Nd}$ , $M=\text{Mg, Co, Ni}$ and $\text{Zn}$ ). <i>Transactions of the Materials Research Society of Japan</i> , <b>2007</b> , 32, 51-54	0.2	2
74	Effects of oxidation and reduction on the ferroelectric properties of superlattice-structured $\text{Bi}_4\text{Ti}_3\text{O}_{12}\text{-PbBi}_4\text{Ti}_4\text{O}_{15}$ single crystals. <i>Transactions of the Materials Research Society of Japan</i> , <b>2008</b> , 33, 43-46	0.2	
73	Synthesis and Rietveld analysis of new thermoelectric oxides F-doped $\text{Na}_{1.6}\text{Co}_2\text{O}_4$ . <i>Transactions of the Materials Research Society of Japan</i> , <b>2008</b> , 33, 897-901	0.2	
72	Mg-doping into boron icosahedral cluster solids, targeting high temperature superconductivity. <i>Transactions of the Materials Research Society of Japan</i> , <b>2008</b> , 33, 303-306	0.2	
71	Pressure-Induced Structural Transition and Long-Period Structures of Rare-Earth Metal Hydrides. <i>Nihon Kessho Gakkaishi</i> , <b>2009</b> , 51, 320-326	0	2



- 70 Diffusion Paths of Mobile Ions Studied by Precise Structure Analysis of Powder Diffraction Data Measured in situ at High Temperatures. *Nihon Kessho Gakkaishi*, **2009**, 51, 153-161 O 2
- 69 Magnetic Structure Refinements by Neutron Diffraction Technique. *Radioisotopes*, **2010**, 59, 477-490 O.1
- 68 (Fundamentals 3) Crystal Structure Refinement of the Hydride  $\text{Li}_2\text{NH}$  by the Neutron Powder Diffraction Technique. *Radioisotopes*, **2010**, 59, 179-189 O.1
- 67 (Applications 8) Neutron Powder Diffraction Study of Ferroelectric Ice Understanding the Mystery of Universal Evolution  $\square$  *Radioisotopes*, **2010**, 59, 239-247 O.1
- 66 (Applications 6) Crystal Structure Analysis of Catalysts by Neutron Powder Diffractometry. *Radioisotopes*, **2010**, 59, 221-229 O.1
- 65 Ion Diffusion Mechanism in Ion-conducting Materials through Neutron Diffractometry. *Hamon*, **2011**, 21, 96-99 O
- 64 Trimerization in Vanadates with a Quasi-Triangular Lattice. *Nihon Kessho Gakkaishi*, **2011**, 53, 141-146 O
- 63 Preparation and Characterization of  $\text{FeTiO}_3\text{-Fe}_2\text{O}_3$  Solid Solution System. *Ceramic Transactions*, 505-512 O.1
- 62 Preparation of Thin Crystals of  $\text{FeTe}_{1-x}\text{S}_x$  Using the Scotch-Tape Method. *Japanese Journal of Applied Physics*, **2011**, 50, 088003 1.4
- 61 Magnetic and Electronic Properties of Double Perovskite  $\text{Sr}_{2-x}\text{La}_x\text{VMoO}_6$ . *Japanese Journal of Applied Physics*, **2011**, 50, 103004 1.4
- 60 Magnetic Structure Analysis by Neutron Diffraction Techniques. *Hyomen Kagaku*, **2012**, 33, 302-307
- 59 Introduction of Structural Investigations on Angular Dispersive Neutron Diffractometers. *Hamon*, **2013**, 23, 147-153 O
- 58 Polarization Rotation in  $\text{BiCo}_{1-x}\text{Fe}_x\text{O}_3$ . *Nihon Kessho Gakkaishi*, **2013**, 55, 278-284 O
- 57 Synthesis and Fluorescence Quantum Yield of  $\text{Gd}_{1-x}\text{Eu}_x\text{OOH}$  Crystals. *Journal of Materials Science and Chemical Engineering*, **2014**, 02, 23-29 O.3
- 56 Practicing applied mineralogy on the electroceramics Examples: microwave and millimeter-wave dielectrics. *Ganseki Kobutsu Kagaku*, **2018**, 47, 43-50 O.1 1
- 55 Solving Crystal Structures Under High Pressure by Powder X-Ray Diffraction Experiments. *Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu*, **2018**, 28, 123-130 O
- 54 From antiferromagnetism to high- $T_c$  weak ferromagnetism manipulated by atomic rearrangement in  $\text{Ba}_3\text{NiOs}_2\text{O}_9$ . *Physical Review Materials*, **2020**, 4, 3.2 O
- 53 Immobilization of Fluorine in Reduced Slag by Addition of Crystalline Hydroxyapatite and Glassy Calcium Phosphate Using a Calcining Process. *Materials Transactions*, **2020**, 61, 1679-1683 1.3

52	Cu-site Disorder in CuAl <sub>2</sub> O <sub>4</sub> as Studied by XPS Spectroscopy. <i>JETP Letters</i> , 1	1.2	1
51	Structures and Superconducting Properties of Sodium Cobalt Oxides. <b>2005</b> , 225-230		
50	Structure and Ionic Conductivity of Halocomplexes of Main Group Metallic Elements Studied by NMR and NQR. <b>2005</b> , 537-544		
49	Enhanced hydrogen desorption kinetics and cycle durability of amorphous TiMgVNi <sub>3</sub> -doped MgH <sub>2</sub> . <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	1
48	Effect of Co substitution on hydrogenation behavior of GdNi <sub>3</sub> -xCox (x = 0, 0.2, 1.0) and crystal structure of its hydride phases. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 47, 3961-3961	6.7	
47	Structural phase transition and giant negative thermal expansion in pyrophosphate Zn <sub>2</sub> Mg <sub>x</sub> P <sub>2</sub> O <sub>7</sub> . <i>Applied Physics Letters</i> , <b>2021</b> , 119, 201906	3.4	4
46	Synthesis of some new Rhodium complexes containing diaryl chalcogenide ligands and their uses as catalysts in hydrosilylation of alkenes. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2063, 012022	0.3	
45	Structural phase transition and negative thermal expansion in Cu <sub>1.8</sub> Zn <sub>0.2</sub> V <sub>2</sub> P <sub>x</sub> O <sub>7</sub> solid solutions. <i>Applied Physics Express</i> ,	2.4	1
44	Suppressing O <sub>3</sub> phase transition in NaCrO <sub>2</sub> cathode enabling high rate capability for sodium-ion batteries by Sb substitution. <i>Chemical Engineering Journal</i> , <b>2022</b> , 432, 134305	14.7	0
43	Enhanced hydrogen desorption properties of MgH <sub>2</sub> by highly dispersed Ni: The role of in-situ hydrogenolysis of nickelocene in ball milling process. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 900, 163547	5.7	2
42	Multiple magnetic transitions and complex magnetic behaviour of the perovskite manganite NdMn <sub>7</sub> O <sub>12</sub> . <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 309, 122969	3.3	
41	High Oxide-Ion Conductivity in a Hexagonal Perovskite-Related Oxide Ba Ta Mo O with Cation Site Preference and Interstitial Oxide Ions.. <i>Small</i> , <b>2021</b> , e2106785	11	3
40	Crystal Structure of Deuteride Phase of Nd-Ni Alloy by X-Ray and Neutron Diffraction. <i>SSRN Electronic Journal</i> ,	1	
39	Inter-element miscibility driven stabilization of ordered pseudo-binary alloy.. <i>Nature Communications</i> , <b>2022</b> , 13, 1047	17.4	1
38	Effects of the Mineral Composition of Cement on the Temperature Dependency of Strength Development. <i>Journal of Advanced Concrete Technology</i> , <b>2022</b> , 20, 117-126	2.3	
37	Determination of physically based pseudo-Voigt powder diffraction profile terms from the fundamental parameters approach. <i>Journal of Applied Crystallography</i> , <b>2022</b> , 55, 289-295	3.8	0
36	Resonant inelastic X-ray scattering as a probe of Jeff = 1/2 state in 3d transition-metal oxide. <i>Npj Quantum Materials</i> , <b>2022</b> , 7,	5	0
35	Synthesis and Characterization of Pure Infinite Layer Ni <sup>+</sup> Nickelates: LnNiO <sub>2</sub> (Ln = La, Nd, Pr) and La <sub>3</sub> Ni <sub>2</sub> O <sub>6</sub> . <i>ECS Journal of Solid State Science and Technology</i> , <b>2022</b> , 11, 044008	2	1

34	Equations of state of iron and nickel to the pressure at the center of the Earth. <i>Matter and Radiation at Extremes</i> , <b>2022</b> , 7, 038403	4.7	1
33	Development of novel inorganic yellowish-tacao color pigments, $\text{RbBi}_{1-x}\text{Cex}(\text{MoO}_4)_2$ ( $0 \leq x \leq 0.30$ ): revealing its crystal structure and color properties. <i>New Journal of Chemistry</i> ,	3.6	
32	Extending the Frontiers of Lithium-Ion Conducting Oxides: Development of Multicomponent Materials with $\text{Li}_3\text{PO}_4$ -Type Structures. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 3948-3959	9.6	7
31	Unexpected Phonon Behaviour in $\text{BiFeCrO}_3$ , a Material System Different from Its $\text{BiFeO}_3$ and $\text{BiCrO}_3$ Parents.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	1
30	Enhanced $\text{Li}^+$ Ionic Conduction and Relaxation Properties of $\text{Li}_{5+2x}\text{La}_3\text{Ta}_{2-x}\text{Ga}_x\text{O}_{12}$ Garnets. <i>Crystals</i> , <b>2022</b> , 12, 770	2.3	0
29	Aurivillius Phase $\text{Bi}_4\text{V}_3\text{O}_{12}$ with d1 Magnetic Cations, Anisotropic and Negative Thermal Expansion, Multiple Structural Transitions, and Low-Dimensional Magnetism. <i>Inorganic Chemistry</i> ,	5.1	
28	High-pressure synthesis and superconductivity of the novel laves phase $\text{BaIr}_2$ . <i>Intermetallics</i> , <b>2022</b> , 148, 107643	3.5	0
27	In-Situ Formation of High-Entropy Alloy Nanoparticles as a Hydrogen Pump for Boosting Hydrogen Storage in Mg-Based Alloy. <i>SSRN Electronic Journal</i> ,	1	
26	Effects of A-site Cations in Quadruple Perovskite Ruthenates on Oxygen Evolution Catalysis in Acidic Aqueous Solutions. <i>Small</i> , 2202439	11	2
25	Different magnetic and magnetodielectric behavior of $\text{BaRFeO}_4$ ferrites with $\text{R} = \text{Ho, Er, Tm, and Yb}$ . <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 922, 166297	5.7	0
24	Crystal structure of deuteride phase of Nd-Ni alloy by X-ray and neutron diffraction. <b>2022</b> , 924, 166557		
23	Phase transformation of hydride-phase $\text{Nd}_2\text{Co}_7$ with superlattice structure. <b>2022</b> , 123575		0
22	Effects of crystal structure and morphology on the electrochromic properties of $\text{Cs WO}_3$ . <b>2022</b> , 385, 116011		0
21	In-situ formation of medium-entropy alloy nanopump to boost hydrogen storage in Mg-based alloy. <b>2023</b> , 222, 115052		0
20	Effects of cation vacancies at tetrahedral sites in cobalt spinel oxides on oxygen evolution catalysis.		0
19	Influence of the composition and preparation method of molybdenum systems on their oxidizing properties in ethane conversion. <b>2022</b> , 71, 1641-1647		0
18	Triple A-Site Cation Ordering in the Ferrimagnetic $\text{Y}_2\text{CuGaMn}_4\text{O}_{12}$ Perovskite. <b>2022</b> , 61, 14428-14435		0
17	Improved Kinetics in Spinel-Related 5 V Positive Electrode Materials by Changing Lithium Insertion Schemes for Lithium-Ion Batteries.		0

- 16 Inverse exchange bias effects and magnetoelectric coupling of the half-doped perovskite-type chromites  $\text{Gd}_{0.5}\text{Sr}_{0.5}\text{CrO}_3$  and  $\text{Gd}$ . **2022**, 106, ○
- 15 Iron Sulfide  $\text{Na}_2\text{FeS}_2$  as Positive Electrode Material with High Capacity and Reversibility Derived from Anion-Cation Redox in All-Solid-State Sodium Batteries. **2023**, 2203383 ○
- 14 Spin-glass to long-range order to spin-glass evolution of magnetic properties with the composition in  $\text{Sm}_{2-x}\text{MnZnMn}_{4-x}\text{O}_{12}$  ( $x=1, 2$ , and  $3$ ) perovskites. **2023**, 932, 167727 ○
- 13 Control of Electrolyte Decomposition by Mixing Transition Metal Ions in Spinel Oxides as Positive Electrode Active Materials for Mg Rechargeable Batteries. **2022**, 126, 19074-19083 ○
- 12 A dynamic piezoelectric effect to promote electrosynthesis of hydrogen peroxide. ○
- 11 Can the ferroelectric soft mode trigger an antiferromagnetic phase transition?. **2023**, ○
- 10 Realization of triple A-site cation ordering through the Dy/Mn/Zn combination in the ferrimagnetic  $\text{Dy}_2\text{MnZnMn}_4\text{O}_{12}$  perovskites. **2023**, ○
- 9 Large intrinsic spin Hall conductivity in orthorhombic tungsten. **2023**, 7, ○
- 8 Crystal and local structures of  $\text{La}_2\text{Co}_7\text{H}$  obtained by synchrotron X-ray total scattering. **2023**, 946, 169380 ○
- 7 Possible metal-insulator transition in a bismuth iridium oxide with the  $\text{KSbO}_3$ -type structure. **2023**, 946, 169435 ○
- 6 Comments on the paper Influence of Ba-doping on the structural and physical properties of  $\text{Sr}_{2-x}\text{Ba}_x\text{FeVO}_6$  double perovskites. **2023**, 940, 168932 ○
- 5 Ferrimagnetic Ordering and Spin-Glass State in Diluted  $\text{GdFeO}_3$ -Type Perovskites  $(\text{Lu}_{0.5}\text{Mn}_{0.5})(\text{Mn}_{1-x}\text{Ti}_x)\text{O}_3$  with  $x = 0.25, 0.50$ , and  $0.75$ . **2023**, 16, 1506 ○
- 4 Systematic Study on the Role of the Third Zn-Site Element in  $\text{Zn}_{2-x}\text{Mg}_x\text{P}_{1-x}\text{S}_2$  Showing Giant Negative Thermal Expansion. **2023**, 64, 638-642 ○
- 3 Completely Elastic Deformation of Hydrogenated Ta Thin Films. **2023**, 5, 962-969 ○
- 2 Possible Heavy-Fermion State in  $(\text{P}_T)$ -Symmetric Antiferromagnet  $\text{CeMnSi}$ . **2023**, 92, ○
- 1 Effect of small additions of  $\text{Li}_2\text{O}$  on phase separation and crystallization of barium-silicate glasses. ○