

# Masahiko Isobe

## List of Publications by Year in Descending Order

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

224  
papers

5,000  
citations

36  
h-index

61  
g-index

237  
ext. papers

5,354  
ext. citations

3.1  
avg. IF

5.08  
L-index

#	Paper	IF	Citations
224	Topotactic transformation of single crystals: From perovskite to infinite-layer nickelates. <i>Science Advances</i> , <b>2021</b> , 7, eabl8091	14.3	9
223	Giant multiple caloric effects in charge transition ferrimagnet. <i>Scientific Reports</i> , <b>2021</b> , 11, 12682	4.9	1
222	Two-Dimensional Quantum Hall Effect and Zero Energy State in Few-Layer ZrTe. <i>Nano Letters</i> , <b>2021</b> , 21, 5998-6004	11.5	0
221	Phononic soft mode behavior and a strong electronic background across the structural phase transition in the excitonic insulator Ta <sub>2</sub> NiSe <sub>5</sub> . <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	9
220	Magnetic phase diagram of KCrO clarified by high-pressure muon spin spectroscopy. <i>Scientific Reports</i> , <b>2019</b> , 9, 1141	4.9	6
219	Magnetism of the A-site ordered perovskites CaCu <sub>3</sub> Cr <sub>4</sub> O <sub>12</sub> and LaCu <sub>3</sub> Cr <sub>4</sub> O <sub>12</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	3
218	Charge disproportionation of mixed-valent Cr triggered by Bi lone-pair effect in the A-site-ordered perovskite BiCu <sub>3</sub> Cr <sub>4</sub> O <sub>12</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	4
217	μSR Study of K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> Under Hydrostatic Pressure <b>2018</b> ,		1
216	Infrared phonon spectra of quasi-one-dimensional Ta <sub>2</sub> NiSe <sub>5</sub> and Ta <sub>2</sub> NiS <sub>5</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	18
215	Oxygen-Vacancy-Induced Midgap States Responsible for the Fluorescence and the Long-Lasting Phosphorescence of the Inverse Spinel Mg(Mg,Sn)O <sub>4</sub> . <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1069-1075	9.6	23
214	51V-NMR study of charge order induced by cation order in $\square$ Ag <sub>2</sub> /3V <sub>2</sub> O <sub>5</sub> . <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 807, 062001	0.3	
213	Local electronic state in the half-metallic ferromagnet CrO <sub>2</sub> investigated by site-selective Cr <sup>53</sup> NMR measurements. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	10
212	Extrinsic Proton NMR Studies of Mg(OH) <sub>2</sub> and Ca(OH) <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 034602	1.5	3
211	Intrinsic Proton NMR Studies of Mg(OH) <sub>2</sub> and Ca(OH) <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 094602	1.5	
210	Local Structural Analysis of Half-Metallic Ferromagnet CrO <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2016</b> , 85, 094709	1.5	1
209	Crystallographic features related to a van der Waals coupling in the layered chalcogenide FePS <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 142114	2.5	25
208	Melting of Pb Charge Glass and Simultaneous Pb-Cr Charge Transfer in PbCrO <sub>3</sub> as the Origin of Volume Collapse. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12719-28	16.4	35

207	Rare earth-free high color rendering white light-emitting diodes using CsVO <sub>3</sub> with highest quantum efficiency for vanadate phosphors. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10748-10754	7.1	41
206	Static Magnetic Order in A-site Ordered Perovskite, LaCu <sub>3</sub> Cr <sub>4</sub> O <sub>12</sub> , Probed with Muon Spin Spectroscopy. <i>Physics Procedia</i> , <b>2015</b> , 75, 435-442		2
205	Competing electronic states under pressure in the double-exchange ferromagnetic Peierls system K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	5
204	Hydroxyl Motion in Mg(OH) <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 113601	1.5	3
203	Charge Order Induced by Cation Order in $\text{Ag}_2/3\text{V}_2\text{O}_5$ . <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 024718	1.5	2
202	<sup>51</sup> V-NMR study of low-temperature phase in $\text{Ag}_2/3\text{V}_2\text{O}_5$ . <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 592, 012042	0.3	1
201	Electronic Structure Evolution across the Peierls Metal-Insulator Transition in a Correlated Ferromagnet. <i>Physical Review X</i> , <b>2015</b> , 5,	9.1	8
200	Magnetic pyroxenes LiCrGe <sub>2</sub> O <sub>6</sub> and LiCrSi <sub>2</sub> O <sub>6</sub> : Dimensionality crossover in a nonfrustrated S=32 Heisenberg model. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	11
199	Phase diagram and Eu valence state in EuPtP <sub>1-x</sub> As <sub>x</sub> . <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 62, 2019-2023	0.6	1
198	Ferromagnetism and re-entrant spin-glass transition in quasicrystal approximants Au-SM-Gd (SM = Si, Ge). <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 426004	1.8	26
197	Charge Density Wave and Superconductivity of RPt <sub>2</sub> Si <sub>2</sub> (R = Y, La, Nd, and Lu). <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 064715	1.5	35
196	Local electronic state in the high-valence hollandite-type chromium oxide K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> investigated by <sup>53</sup> Cr NMR. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	7
195	Origins of Phase Transitions in Valence Fluctuating YbPd. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 084712	1.5	7
194	Barium vanadium silicate BaVSi <sub>2</sub> O <sub>7</sub> : A t <sub>2g</sub> counterpart of the Han purple compound. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	11
193	Valence instability and photochemical reaction at surface of strongly correlated MgTi <sub>2</sub> O <sub>4</sub> . <i>APL Materials</i> , <b>2013</b> , 1, 022110	5.7	5
192	Observation of Structural Change in the Novel Ferromagnetic Metal-Insulator Transition of K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 054710	1.5	18
191	BR Investigation of the Hollandite Vanadate K <sub>2</sub> V <sub>8</sub> O <sub>16</sub> . <i>Physics Procedia</i> , <b>2012</b> , 30, 117-120		3
190	Ferromagnetic Hollandite K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> . <i>Physics Procedia</i> , <b>2012</b> , 30, 186-189		2

189	Physical properties of $\text{La}_{1-x}\text{Pb}_x\text{MnO}_3$ perovskites with $0.24 \leq x \leq 0.40$ . <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 535, 129-137	5-7	3
188	Structural Phase Transition of $\text{Li}_2\text{MnSiO}_4$ . <i>Transactions of the Materials Research Society of Japan</i> , <b>2012</b> , 37, 475-478	0.2	2
187	Synthesis, Structure, and Electromagnetic Properties of Manganese Hollandite, $\text{K}_x\text{Mn}_8\text{O}_{16}$ . <i>Journal of the Physical Society of Japan</i> , <b>2012</b> , 81, 104701	1.5	7
186	$\mu\text{SR}$ study on ferromagnetic hollandite $\text{K}_2\text{Cr}_8\text{O}_{16}$ and $\text{Rb}_2\text{Cr}_8\text{O}_{16}$ . <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	23
185	Antiferromagnetism in the spin-gap system $\text{NaV}_2\text{O}_5$ : Muon spin rotation measurements. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	4
184	Electronic States of Half-Metallic Chromium Oxides Probed by $^{53}\text{Cr}$ NMR. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 400, 032098	0.3	0
183	Anisotropic hyperfine coupling in vanadium oxides. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 273, 012128	1.2	8
182	Electronic structure of an antiferromagnetic metal: $\text{CaCrO}_3$ . <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	22
181	Magnetic interactions and orbital state in double chain systems investigated by NMR measurements. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 320, 012070	0.3	5
180	Peierls mechanism of the metal-insulator transition in ferromagnetic hollandite $\text{K}_2\text{Cr}_8\text{O}_{16}$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 266402	7.4	40
179	Pressure-induced changes in the magnetic and valence state of $\text{EuFe}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	56
178	Dimerization and charge order in hollandite $\text{K}_2\text{V}_8\text{O}_{16}$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 027201	7.4	23
177	Electromagnetic properties of hollandite $\text{K}_2\text{V}_8\text{O}_{16}$ under pressure. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	1
176	Interplay between Mott physics and Peierls physics in hollandite-type vanadates with a metal-insulator transition. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	19
175	Metal-insulator transition in the hollandite $\text{K}_2\text{V}_8\text{O}_{16}$ with a frustrated zigzag ladder probed by $^{51}\text{V}$ NMR. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	19
174	Magnetic order, transport and infrared optical properties in the $\text{ACrO}_3$ system ( $A = \text{Ca}, \text{Sr}, \text{and Pb}$ ). <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	44
173	Structural Phase Transition and Microstructures of $\text{Li}_2\text{CoSiO}_4$ . <i>Transactions of the Materials Research Society of Japan</i> , <b>2011</b> , 36, 437-440	0.2	2
172	Spin-gap mode in the charge-ordered phase of $\text{NaV}_2\text{O}_5$ studied by Raman scattering under high pressures. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	1

171	Magnetic phase of the perovskite CaCrO <sub>3</sub> studied with $\mu$ SR. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	6
170	Interplay between low dimensionality and magnetic frustration in the magnetoelectric pyroxenes LiCrX <sub>2</sub> O <sub>6</sub> (X=Ge,Si). <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	22
169	Magnetic and magnetoelectric study of the pyroxene NaCrSi <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	26
168	Condensation of a tetrahedra rigid-body libration mode in HoBaCo <sub>4</sub> O <sub>7</sub> : the origin of phase transition at 355 K. <i>New Journal of Physics</i> , <b>2010</b> , 12, 043035	2.9	16
167	Correlation between Luminescence Quantum Efficiency and Structural Properties of Vanadate Phosphors with Chained, Dimerized, and Isolated VO <sub>4</sub> Tetrahedra. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 5160-5167	3.8	142
166	Synthesis and thermal stability of the solid solution AFeO <sub>2</sub> (A = Ba, Sr, Ca). <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 5957-62	5.1	23
165	Experimental evidence for a phase transition in a Zn <sub>6</sub> Sc 1/1 cubic approximant. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	16
164	Crystal structures of Cr-based magnetic pyroxenes. <i>Solid State Sciences</i> , <b>2010</b> , 12, 676-679	3.4	3
163	Photoluminescence property of vanadates M <sub>2</sub> V <sub>2</sub> O <sub>7</sub> (M: Ba, Sr and Ca). <i>Optical Materials</i> , <b>2010</b> , 32, 1618-1621	3.6	87
162	Magnetic and crystal structures of the one-dimensional ferromagnetic chain pyroxene NaCrGe <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	18
161	Magnetic and crystal structures of the magnetoelectric pyroxene LiCrSi <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	24
160	Substitution Effect on Metal-Insulator Transition of K <sub>2</sub> V <sub>8</sub> O <sub>16</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2009</b> , 78, 114713	1.5	22
159	Synthesis and magnetic properties of Fe-B-Nd-Nb nanocomposite magnets. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 144, 012068	0.3	7
158	Crystal growth and anisotropic magnetic properties of V <sub>3</sub> O <sub>7</sub> . <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 3222-3225	3.3	8
157	A revisit of photoluminescence property for vanadate oxides AVO <sub>3</sub> (A:K, Rb and Cs) and M <sub>3</sub> V <sub>2</sub> O <sub>8</sub> (M:Mg and Zn). <i>Journal of Luminescence</i> , <b>2009</b> , 129, 1598-1601	3.8	123
156	Discovery of ferromagnetic-half-metal-to-insulator transition in K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> . <i>Physical Review Letters</i> , <b>2009</b> , 103, 146403	7.4	66
155	Metal-insulator transition in the Hollandite vanadate K <sub>2</sub> V <sub>8</sub> O <sub>16</sub> investigated by <sup>51</sup> V NMR measurements. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 042155	0.3	1
154	Direct fabrication of metavanadate phosphor films on organic substrates for white-light-emitting devices. <i>Nature Materials</i> , <b>2008</b> , 7, 735-40	27	115

153	CaCrO <sub>3</sub> : an anomalous antiferromagnetic metallic oxide. <i>Physical Review Letters</i> , <b>2008</b> , 101, 167204	7.4	71
152	Colossal Magnetoresistance of A-Site Ordered (NdBaSm) <sub>2</sub> Mn <sub>2</sub> O <sub>6</sub> at Ambient Temperature. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 7866-7870	1.4	3
151	Rb-substitution effect on the metal-insulator transition of hollandite vanadate, K <sub>2</sub> V <sub>8</sub> O <sub>16</sub> . <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 121, 032007	0.3	1
150	Infrared reflectivity spectra of Na <sub>1.3</sub> V <sub>2</sub> O <sub>5</sub> in the charge disordered and ordered phase. <i>European Physical Journal B</i> , <b>2008</b> , 65, 1-4	1.2	
149	Raman scattering study of in the charge disordered and ordered phases. <i>Solid State Communications</i> , <b>2007</b> , 142, 385-388	1.6	3
148	Ti-doping effect on the MI transition of hollandite vanadate, K <sub>2</sub> V <sub>8</sub> O <sub>16</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 888-889	2.8	9
147	Raman scattering from spin-gap mode in NaV <sub>2</sub> O <sub>5</sub> under high pressures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1200-1202	2.8	
146	NMR study of the spin gap in the vanadium bronze. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1224-1226	2.8	2
145	Thermal and non-thermal photoinduced phenomena in NaV <sub>2</sub> O <sub>5</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 076207	1.8	1
144	Hyperfine interactions and local environment of Fe <sup>57</sup> probe atoms in perovskite CaMn <sub>7</sub> O <sub>12</sub> . <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	22
143	Muon-spin relaxation measurements on the dimerized spin-1/2 chains NaTiSi <sub>2</sub> O <sub>6</sub> and TiOCl. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	21
142	Rich Behaviors of Vanadium Oxides under High Pressure. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 100-103	1.5	1
141	Structural relations between two ground states of NaV <sub>2</sub> O <sub>5</sub> under high pressure: A synchrotron x-ray diffraction study. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	11
140	Specific heat and magnetic susceptibility of spinel compounds CdV <sub>2</sub> O <sub>4</sub> , ZnV <sub>2</sub> O <sub>4</sub> and MgTi <sub>2</sub> O <sub>4</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 300, e375-e377	2.8	21
139	Observation of Metal-Insulator Transition in Hollandite Vanadate, K <sub>2</sub> V <sub>8</sub> O <sub>16</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2006</b> , 75, 073801	1.5	60
138	Raman scattering study of Sr <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> in charge disordered and ordered phase. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 7779-87	1.8	4
137	DISCOVERY OF THE "DEVIL'S FLOWER" IN A CHARGE-ORDERING SYSTEM BY SYNCHROTRON X-RAY DIFFRACTION STUDY OF NaV <sub>2</sub> O <sub>5</sub> . <i>Modern Physics Letters B</i> , <b>2006</b> , 20, 199-214	1.6	8
136	Electronic structure of AV <sub>2</sub> O <sub>4</sub> (A=Li, Zn, and Cd) studied by x-ray photoemission spectroscopy. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	12

135	Photoinduced phenomena observed as transient reflectance changes in $\delta$ -NaV <sub>2</sub> O <sub>5</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 3452-3455		
134	Photo-induced phenomena in NaV <sub>2</sub> O <sub>5</sub> studied by time-resolved Raman spectroscopy. <i>Journal of Luminescence</i> , <b>2006</b> , 119-120, 448-452	3.8	1
133	Orbital and lattice dynamics in pyroxenes. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 378-380, 1072-1074	2.8	4
132	Charge-order pattern of the low-temperature phase from a monoclinic single domain of NaV <sub>2</sub> O <sub>5</sub> uniquely determined by resonant x-ray scattering. <i>Physical Review Letters</i> , <b>2005</b> , 94, 106401	7.4	26
131	Time-resolved Raman spectroscopy applied to the photoinduced phenomena in NaV <sub>2</sub> O <sub>5</sub> . <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 21, 201-206	0.3	3
130	Ultrafast dynamics of photoinduced phenomena in the spin ladder system NaV <sub>2</sub> O <sub>5</sub> . <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 21, 15-22	0.3	2
129	Photo-induced phase transition in the 2D spin ladder compound NaV <sub>2</sub> O <sub>5</sub> . <i>Journal of Luminescence</i> , <b>2005</b> , 112, 246-249	3.8	2
128	Charge order and superconductivity in vanadium oxides. <i>Solid State Sciences</i> , <b>2005</b> , 7, 874-881	3.4	63
127	Ultrafast light induced Charge disordering around phase transition temperature in 2D spin ladder compound NaV <sub>2</sub> O <sub>5</sub> . <i>Springer Series in Chemical Physics</i> , <b>2005</b> , 328-330	0.3	
126	Group theoretical treatment of the low-temperature phase transition of the Cd <sub>6</sub> Ca 1 $\bar{1}$ -cubic approximant. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	19
125	Optical phonons in the NaTiSi <sub>2</sub> O <sub>6</sub> oxide with S=12 spin chains. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	8
124	Long-range magnetic order in quasi-one-dimensional chromium-based (S=32) pyroxenes (Li,Na)Cr(Si,Ge) <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	25
123	X-ray photoelectron spectroscopy study of mixed-valence effects and charge fluctuation in Na <sub>x</sub> V <sub>2</sub> O <sub>5</sub> . <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	10
122	Universal low-temperature phase transition in Zn- and Cd-based crystalline approximants. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	34
121	Neutron Diffraction Study on the Antiferromagnetic Insulating Ground State of $\delta$ -Na <sub>0.33</sub> V <sub>2</sub> O <sub>5</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 1297-1308	1.5	28
120	Orbital dimerization in NaTiSi <sub>2</sub> O <sub>6</sub> : An orbital analogue of the spin-Peierls phase transition. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	33
119	Orbital and Spin Chains in ZnV <sub>2</sub> O <sub>4</sub> . <i>Physical Review Letters</i> , <b>2004</b> , 93, 156407	7.4	128
118	Long range Néel order in the quasi-one-dimensional vanadium-based (S=1) pyroxenes (Li,Na)V(Si,Ge) <sub>2</sub> O <sub>6</sub> . <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	24



117	X-ray characterization for the charge ordering on $\text{A}^{2+}$ -vanadium oxide bronzes. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 438-439	2.8	13
116	Crystal growth and electromagnetic properties of $\text{A}^{2+}$ -vanadium bronzes, $\text{A}_{0.33}\text{V}_2\text{O}_5$ (A=Ca, Sr and Pb). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 442-443	2.8	11
115	Orbital dimerization in $\text{NaTiSi}_2\text{O}_6$ . An orbital analogue of the spin-Peierls phase transition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E657-E658	2.8	9
114	Magnetic properties of quasi-one-dimensional magnets $\text{AM}_3\text{Si}_2\text{O}_6$ (A=Li, Na; M=Ti, V, Cr). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 948-949	2.8	12
113	Synthesis, structure and physical properties of spinel solid solutions $\text{Mg}_2\text{TiO}_4\text{MgTi}_2\text{O}_4$ . <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 383, 85-88	5.7	31
112	Order-disorder transition in cubic $\text{Cd}_6\text{Yb}$ and $\text{Cd}_6\text{Ca}$ . <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 334-335, 173-176	3.9	27
111	Observation of Structural Change with Possible Charge Disproportionation in Copper Vanadium Oxide Bronze $\text{BCu}_{0.65}\text{V}_2\text{O}_5$ . <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 914-920	1.5	11
110	Current Topics of Vanadium and Manganese Oxides in terms of Structural Chemistry. <i>Nihon Kessho Gakkaishi</i> , <b>2004</b> , 46, 79-84	0	
109	Long-range and short-range magnetic order in $\text{NaVGe}_2\text{O}_6$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 258-259, 125-127	2.8	8
108	Thermal properties of $\text{NaV}_2\text{O}_5$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 258-259, 398-400	2.8	
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106	Long-range magnetic order in quasi-one-dimensional $\text{NaCrSi}_2\text{O}_6$ and $\text{NaCrGe}_2\text{O}_6$ metal oxides. <i>JETP Letters</i> , <b>2003</b> , 78, 551-554	1.2	8
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104	Phonon properties of the spinel oxide $\text{MgTi}_2\text{O}_4$ with the $S=1/2$ pyrochlore lattice. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	22
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101	Superconductivity under high pressure in $\text{A}^{2+}$ -vanadium bronzes. <i>Journal of Physics and Chemistry of Solids</i> , <b>2002</b> , 63, 951-955	3.9	36
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82	Specific heat of Na <sub>1-x</sub> V <sub>2</sub> O <sub>5</sub> single crystals. <i>JETP Letters</i> , <b>2001</b> , 73, 357-360	1.2	2

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