

# Cation order-disorder in Fe-bearing pyrope and grossul NMR and $^{57}\text{Fe}$ Mossbauer spectroscopy study

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Transition metal cation site preferences in forsterite ( $\text{Mg}_{2}\text{SiO}_{4}$ ) determined from paramagnetically shifted NMR resonances. <i>American Mineralogist</i> , 2015, 100, 1265-1276.	0.9	19
2	An investigation of local $\text{Fe}^{2+}$ order-disorder in a mantle grosspyrope garnet using paramagnetically shifted $^{27}\text{Al}$ and $^{29}\text{Si}$ MAS NMR resonances. <i>European Journal of Mineralogy</i> , 2015, 27, 463-470.	0.4	3
3	Trivalent transition-metal cations and local structure in pyrope- and grossular-rich solid solutions investigated by $^{27}\text{Al}$ and $^{29}\text{Si}$ MAS NMR spectroscopy. <i>European Journal of Mineralogy</i> , 2016, 28, 179-187.	0.4	3
4	Short-range atomic arrangements in minerals. I: The minerals of the amphibole, tourmaline and pyroxene supergroups. <i>European Journal of Mineralogy</i> , 2016, 28, 513-536.	0.4	33
5	Investigating lanthanide dopant distributions in Yttrium Aluminum Garnet (YAG) using solid state paramagnetic NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2016, 79, 11-22.	1.5	18
6	Exploiting NMR spectroscopy for the study of disorder in solids. <i>International Reviews in Physical Chemistry</i> , 2017, 36, 39-115.	0.9	65
7	Hydroxyferromagnite, a new secondary weathering mineral from Oms, France. <i>European Journal of Mineralogy</i> , 2017, 29, 307-314.	0.4	10
8	Solid-state NMR and short-range order in crystalline oxides and silicates: a new tool in paramagnetic resonances. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 128-136.	0.2	14
9	Anharmonic motions versus dynamic disorder at the Mg ion from the charge densities in pyrope ( $\text{Mg}_{3}\text{Al}_{2}\text{Si}_{3}\text{O}_{12}$ ) crystals at 30 K: six of one, half a dozen of the other. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 722-736.	0.5	12
10	Toward the wider application of $^{29}\text{Si}$ NMR spectroscopy to paramagnetic transition metal silicate minerals: Copper(II) silicates. <i>American Mineralogist</i> , 2017, 102, 2406-2414.	0.9	8
11	Recent developments and the future of low- $T$ calorimetric investigations in the Earth sciences: Consequences for thermodynamic calculations and databases. <i>Journal of Metamorphic Geology</i> , 2018, 36, 283-295.	1.6	12
12	Toward the wider application of $^{29}\text{Si}$ NMR spectroscopy to paramagnetic transition metal silicate minerals and glasses: Fe(II), Co(II), and Ni(II) silicates. <i>American Mineralogist</i> , 2018, 103, 776-791.	0.9	8
13	IR spectroscopy and $\text{OH}^{\ominus}$ in silicate garnet: The long quest to document the hydrogarnet substitution. <i>American Mineralogist</i> , 2018, 103, 384-393.	0.9	33
14	An analysis of the magnetic behavior of olivine and garnet substitutional solid solutions. <i>American Mineralogist</i> , 2019, 104, 1246-1255.	0.9	5
15	The degree of polymerization and structural disorder in $(\text{Mg,Fe})\text{SiO}_3$ glasses and melts: Insights from high-resolution $^{29}\text{Si}$ and $^{17}\text{O}$ solid-state NMR. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 268-291.	1.6	14
16	Depression of the selective separation of rutile from almandine by Sodium Hexametaphosphate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 593, 124631.	2.3	17
17	Micro- and nano-size hydrogarnet clusters in calcium silicate garnet: Part II. Mineralogical, petrological, and geochemical aspects. <i>American Mineralogist</i> , 2020, 105, 468-478.	0.9	9
18	Micro- and nano-size hydrogrossular-like clusters in pyrope crystals from ultra-high-pressure rocks of the Dora-Maira Massif, western Alps. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	1.2	3

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19	Micro- and nano-size hydrogarnet clusters and proton ordering in calcium silicate garnet: Part I. The quest to understand the nature of "water" in garnet continues. <i>American Mineralogist</i> , 2020, 105, 455-467.	0.9	15
20	Solid-state NMR spectroscopy. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	196
21	Are the thermodynamic properties of natural and synthetic Mg <sub>2</sub> SiO <sub>4</sub> -Fe <sub>2</sub> SiO <sub>4</sub> olivines the same?. <i>American Mineralogist</i> , 2021, 106, 317-321.	0.9	2
22	Effect of Spinning Speed on <sup>29</sup> Si and <sup>27</sup> Al Solid-state MAS NMR Spectra for Iron-bearing Silicate Glasses. <i>Journal of the Mineralogical Society of Korea</i> , 2018, 31, 295-306.	0.2	0
23	The Structure and Elasticity of CaO <sub>3</sub> Under High Pressure by First-Principles Simulation. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	1