Daniel J. Frost-Publications in peer reviewed journals

2015


2014


10. PAMATO MG, KURNOSOV A, BALLARAN TB, TROTS DM, CARACAS R FROST DJ (2014) Hexagonal Na0.41[Na0.125Mg0.79Al0.085][Al0.79Si0.21]O12 (NAL phase): Crystal structure refinement and elasticity. American Mineralogist, 99: 1562-1569.


2013


2012


2011


2010


60. JUHIN A, MORIN G, ELKAIM E, FROST DJ, FIALIN M, JUILLOT F, CALAS G (2010) Structure refinement of a synthetic knorringite, Mg3(Cr0.8Mg0.1Si0.1)(SiO4)3. American Mineralogist, 95: 59-63.


2009


74. YANG HX, KONZETT J, DOWNS RT, FROST DJ (2009) Crystal structure and Raman spectrum of a high-pressure Li-rich majoritic garnet, (Li, Mg)Si3(SiO4)2 American Mineralogist, 94 (4): 630-633.


85. YANG HX, KONZETT J, FROST DJ, DOWNNS, RT (2009) X-ray diffraction and Raman spectroscopic study of clinopyroxenes with six-coordinated Si in the Na(Mg0.5Si0.5)Si2O6-NaAlSi2O6 system. American Mineralogist 94 (7): 942-949.


2008


2007


2006


2005


2004


133. BLASS UW, LANGENHORST F, BOFFA-BALLARAN T, SEIFERT F, FROST DJ, McCAMMON CA (2004) A new oxygen-deficient perovskite phase Ca(Fe$_{0.4}$Si$_{0.6}$)O$_{2.8}$ and phase relations along the join CaSiO$_3$-CaFeO$_{2.5}$ at transition zone conditions. Physics and Chemistry of Minerals, 31: 52-65.


144. TARAN MN, LANGER K, ABS-WURMBACH I, FROST DJ, PLATONOV AN (2004) Local relaxation around Cr-[6](3+) in synthetic pyrope-knorrtingite garnets, Mg-[8](3)[6](Al1-X Cr-X(3+))(2)(Si3O12)-Si-[4], from electronic absorption spectra. Physics and Chemistry of Minerals, 31 (9): 650-657.

2003

145. FROST DJ (2003) Fe2+-Mg partitioning between garnet, magnesiowüstite and (Mg,Fe)2SiO4 phases of the transition zone. American Mineralogist, 88: 387-397.


151. C. HOLZAPFEL, D. C. RUBIE, S. MACKWELL AND D. J. FROST (2003) Effect of pressure on Fe–Mg interdiffusion in (Fe,Mg)xO, ferropericlase, Physics of Earth and Planetary Interiors, 139 21-34.

2002


2001


2000


1999


1998


1997


1996


1995