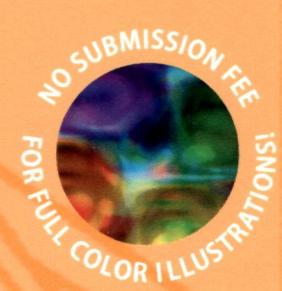


ПН
Р 59/2м

нр

Volume 40 • Number 4 • April 2013

Physics and Chemistry of Minerals



 Springer

Physics and Chemistry of Minerals

Volume 40, Issue 4, April 2013

ISSN: 0342-1791 (Print) 1432-2021 (Online)

In this issue (8 articles)

1. Original Paper

High-temperature infrared properties of forsterite

Myriam Eckes, Benoit Gibert, Domingos De Sousa Meneses... Pages 287-298

2. Original Paper

Equation of state of silicate melts with densified intermediate-range order at the pressure condition of the Earth's deep upper mantle

Daisuke Wakabayashi, Nobumasa Funamori Pages 299-307

3. Original Paper

Fe²⁺, Mg-distribution among non-equivalent structural sites M1 and M2 in natural olivines: an optical spectroscopy study

Michail N. Taran, Stanislav S. Matsyuk Pages 309-318

4. Original Paper

Dehydration kinetics of antigorite using in situ high-temperature infrared microspectroscopy

Michiyo Sawai, Ikuo Katayama, Arisa Hamada... Pages 319-330

5. Original Paper

A comparative study of the thermal behaviour of length-fast chalcedony, length-slow chalcedony (quartzine) and moganite

Patrick Schmidt, Aneta Slodczyk, Vanessa Léa... Pages 331-340

6. Original Paper

Effects of pressure on PbWO₄-III

Dayong Tan, Wansheng Xiao, Wei Zhou, Ming Chen... Pages 341-348

7. Original Paper

Expansivity and compressibility of strontium fluorapatite and barium fluorapatite determined by *in situ* X-ray diffraction at high- T/P conditions: significance of the M-site cations

Qiang He, Xi Liu, Baosheng Li, Liwei Deng... Pages 349-360

8. Original Paper

Phyllosilicates synthesis: a way of accessing edges contributions in NMR and FTIR spectroscopies. Example of synthetic talc

Angela Dumas, François Martin, Christophe Le Roux... Pages 361-373