Available online at www.sciencedirect.com
SCIENCE DIRECT®
Journal of Solid State Chemistry 178 (2005) 2175
JOURNAL OF SOLID STATE CHEMISTRY
www.elsevier.com/locate/jssc

Erratum

Erratum to "Optical spectra of trivalent lanthanides in $LiYF_4$ crystal" [J. Solid State Chem. 178 (2005) 412–418]

K. Ogasawara[a,*], S. Watanabe[a], H. Toyoshima[a], T. Ishii[a], M.G. Brik[b], H. Ikeno[c], I. Tanaka[c]

[a]*Department of Chemistry, School of Science and Technology, Kwansei Gakuin University, 2-1 Gakuen, Sanda, Hyogo 669-1337, Japan*
[b]*Fukui Institute for Fundamental Chemistry, Kyoto University, 34-4, Takano-Nishihiraki-cho, Sakyo-ku, Kyoto 606-8103, Japan*
[c]*Department of Materials Science and Engineering, Kyoto University, Sakyo, Kyoto 606-8501, Japan*

Available online 25 April 2005

The publisher regrets that the figure legends and table title were inadvertently omitted. They are reproduced below:

Fig. 1. Energy level diagram (in cm^{-1}) of trivalent lanthanides in a free state (left) and in the YLF crystal (right) obtained by the semiempirical calculations.

Fig. 2. Energy level diagram (in cm^{-1}) of trivalent lanthanides in YLF obtained by the relativistic first-principles CI calculations. For each element, the compositions of the $4f^n$ configurations are shown on the left and those of $4f^{n-1}5d^1$ configurations are shown on the right, respectively.

Fig. 3. Experimental absorption spectrum of Pr^{3+} in $LiLuF_4$ (middle) [23], experimental excitation spectrum of Pr^{3+} in YLF (below) [9] and theoretical $4f^2 - 4f^15d^1$ absorption spectrum of Pr^{3+} in YLF (above).

Fig. 4. Experimental excitation spectrum (below) [24] and theoretical $4f^{10} - 4f^95d^1$ absorption spectrum (above) of Ho^{3+} in YLF.

Fig. 5. Experimental excitation spectrum (below) [24] and theoretical $4f^{12} - 4f^{11}5d^1$ absorption spectrum (above) of Tm^{3+} in YLF.

Table 1
Smoothed crystal field parameters B_{kq} for trivalent lanthanides in YLF (in cm^{-1})

DOI of original article: 10.1016/j.jssc.2004.11.001.
*Corresponding author. Fax: +81 79 565 7943.
E-mail address: ogasawara@ksc.kwansei.ac.jp (K. Ogasawara).

doi:10.1016/j.jssc.2005.03.037