ADDITIONS AND CORRECTIONS

2008, Volume 112C

Yongsheng Liu, Wenqin Luo, Renfu Li, Guokui Liu, Mark R. Antonio, and Xueyuan Chen*: Optical Spectroscopy of Eu^{3+} Doped ZnO Nanocrystals

Page 688. In the above referenced paper, we have reported the UV/vis reflectance spectra of Eu^{3+}:ZnO (1.05 atom %) nanocrystals annealed at different temperatures. We have now discovered an error in the data analysis in Figure 2. The corrected Figure 2 is shown in the following.

In paragraph 2, the following sentence is being corrected: "...band-gap energies (E_g) of the samples heated at 40, 200, 300, and 400 °C (with sizes of 5, 8, 9, and 11 nm respectively) are determined to be 3.41, 3.35, 3.33, and 3.30 eV...An increase of ~0.11 eV is observed as the nanoparticle size decreases from 11 to 5 nm." should be corrected as "...band-gap energies (E_g) of the samples heated at 40, 200, 300, and 400 °C (with sizes of 5, 8, 9, and 11 nm, respectively) are determined to be 3.36, 3.28, 3.23, and 3.22 eV...An increase of ~0.14 eV is observed as the nanoparticle size decreases from 11 to 5 nm." The above corrections do not affect the conclusions and discussion contained in this paper.

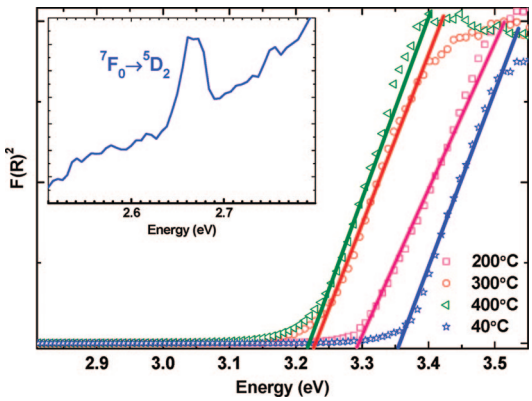

Figure 2. Plot of $F(R)^2$ versus photon energy for direct transition of Eu^{3+}:ZnO (1.05 atom %) nanocrystals annealed at different temperatures. $F(R)$ is the Kubelka−Munk function, with $F(R) = (1 - R)^2/2R$, and R is the reflectance. Band-gap energies E_g are obtained by extrapolation to $F(R) = 0$.

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Wenqin Luo, Renfu Li, Guokui Liu, Mark R. Antonio, and Xueyuan Chen*: Evidence of Trivalent Europium Incorporated in Anatase TiO_2 Nanocrystals with Multiple Sites

Pages 10371−10372. In the above referenced paper, we have reported the UV/vis reflectance spectra of Eu^{3+}:TiO_2 (2 at %) nanocrystals annealed at various temperatures. We have now discovered an error in the data analysis in Figure 3. The corrected Figure 3 is shown in the following.

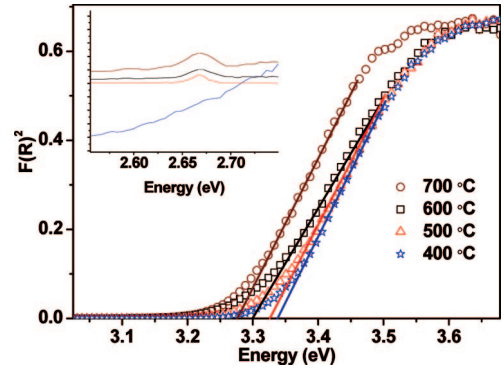

Figure 3. Plots of $F(R)^2$ versus photon energy for Eu^{3+}:TiO_2 (2 at %) nanoparticles annealed at various temperatures. $F(R)$ is the Kubelka−Munk function, with $F(R) = (1 - R)^2/2R$, and R is the reflectance.

Page 10371, paragraph 2. "...band gap energies (E_g) of samples annealed at 400, 500, 600, and 700 °C were determined to be 3.50, 3.47, 3.46, and 3.43 eV respectively..." should be corrected as follows: "...band gap energies (E_g) of samples annealed at 400, 500, 600, and 700 °C were determined to be 3.34, 3.33, 3.30, and 3.27 eV, respectively...". The above corrections do not affect the conclusions and discussion contained in this paper.

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Zhengtao Deng,* Masud Mansuripur, and Anthony J. Muscat: New Method to Single-Crystal Micrometer-Sized Ultra-Thin Silver Nanosheets: Synthesis and Characterization.

Pages 867 and 869. Please note the following corrections to this article:

(1) The last name of the second author is misspelled as "Mansuipur". The corrected name should read "Masud Mansuripur".

(2) On page 869, in the Results and Discussion section, the last third line of paragraph 2, the number of "368.3" is misprinted as "386.3". The corrected sentence should read: "The Ag $3d_{5/2}$ region showed a single peak at a binding energy of 368.3 eV".

10.1021/jp901715b
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