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Corrigendum: Preparation and Characterization of Cu-SiO_2 Nanocomposite

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Corrigendum: Preparation and Characterization of Cu-SiO_2 Nanocomposite, Volume 472, 2007, Pages 217[607]–223[613]

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In Young Soo Kang, Preparation and Characterization of Cu-SiO_2 Nanocomposite, Volume 472, 2007, Pages 217[607]–223[613], the author had *inadvertently* left out important references relevant to his article. The following references are inserted following reference 6.

[7] Kim, Y. H., Lee, D. K., Cha, H. Y., Kim, C. W., Kang, Y. C., & Kang, Y. S. (2006). Preparation and characterization of the antibacterial Cu nanoparticle formed on the surface of SiO_2 nanoparticles. *J. Phys. Chem B*, *110*, 24923–24928.

[8] Kim, Y. H., Jo, B. G., Jeong, J. H., & Kang, Y. S. (2007). Preparation and characterization of Cu-SiO_2 nanoparticles. *Solid State Phenomena*, *121*, 255–258.

The remainder of the references (old references 7–13) are being updated to reference numbers 9–15. This is the updated reference listing:

[7] Kim, Y. H., Lee, D. K., Cha, H. Y., Kim, C. W., Kang, Y. C., & Kang, Y. S. (2006). *J. Phys. Chem. B*, *110*, 24923.

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[13] Hong, S. B. & Camblor, M. A. (1997). *Chem. Mater.*, *9*, 1999.

[14] Mulvaney, P. (1996). *Langmuir*, *12*, 788.

[15] Chusuei, C. C., Brookshier, M. A., & Goodman, D. W. (1999). *Langmuir*, *15*, 2806.

The following are corrections made by the addition of the new References:

1. In the Introduction section, the third sentence of Paragraph 1 (page 218[608]) should read as:

"Core-shell or hybrid structures have been intensively studied very recently, in particular since such structures exhibit peculiar properties which make them attractive for applications in optical and biological sensors and in optoelectronics [5–8]."

2. In the Introduction section, the sixth sentence of Paragraph 1 (page 218[608]) should read as:

"To this purpose, oxide nanospheres of nearly equal size, offering great flexibility of composition, are well suited [7–9]."

3. In the Introduction section, the eleventh sentence of Paragraph 1 (page 218[608]) should read as:

"It is an effective agent with low toxicity, which is especially important in the topical antibacterial treatment [7,8,10,11]."

4. In the EXPERIMENTALS section, the fourth sentence of Paragraph 1 (page 219[609]) should read as:

"The separated products were dried at temperature below 100°C for 2 hrs [7,8,12]."

5. In the EXPERIMENTALS section, the sixteenth sentence of Paragraph I (page 219[609]) should read as:

"Binding energy was referenced to the Cls line at 284.6 eV from adventitious carbon [7]."

6. In the RESULTS AND DISCUSSION section, the fourth sentence of Paragraph 1 (page 219[609]-220[610]) should read as:

"As the ratio of $CuCl_2$ was increased, the size of Cu nanoparticles deposited on the surface of SiO_2 was increased [7,8]."

7. In the RESULTS AND DISCUSSION section, the ninth sentence of Paragraph 1 (page 220[610]) should read as:

"Alkaline condition produced strong nucleophiles via deprotonation of hydroxo ligands (Eq. 1) and then electrophilic material like metal reacted with nucleophilic part (Eq. 2) [7,8,13]."

8. In the RESULTS AND DISCUSSION section, the fifth sentence of Paragraph 2 (page 221[611]) should read as:

"The schematic diagram for tentative mechanism of Cu deposition on the surface SiO_2 nanoparticle is illustrated in Figure 2 [7]."

9. In the RESULTS AND DISCUSSION section, the fifth sentence of Paragraph 3 (page 221[611]) should read as:

"This was concerned with red-shifted absorption band of Cu-SiO_2 [8,14]."

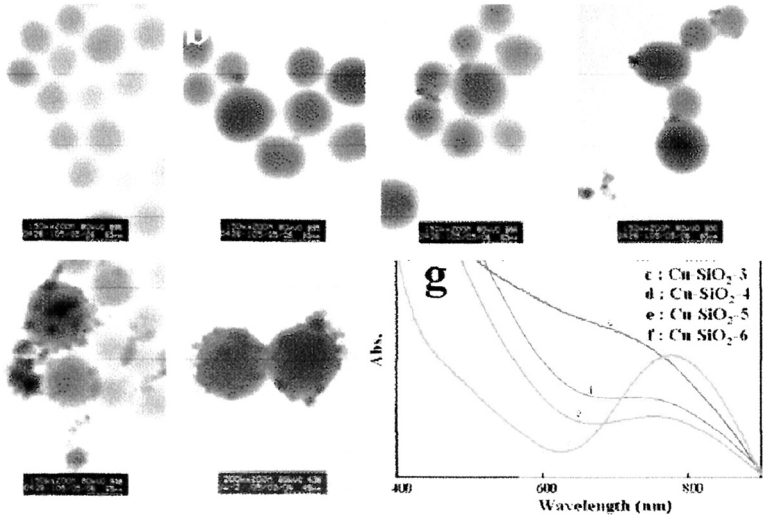
10. In the RESULTS AND DISCUSSION section, the twelfth sentence of Paragraph 4 (page 223[613]) should read as:

"The shake-up peak of $Cu_{2p3/2}$ is also observed at about 941.50 eV [7]."

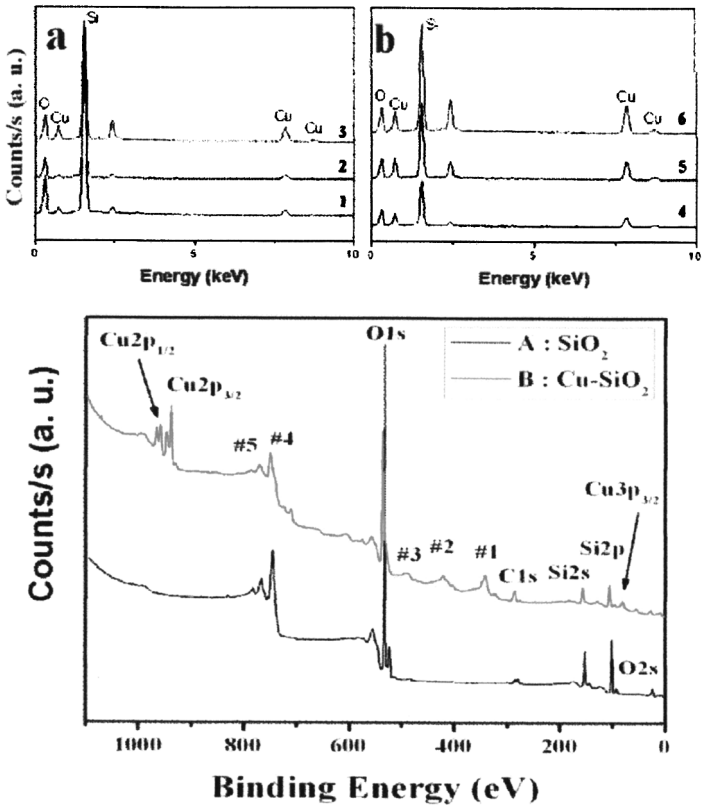
11. In the RESULTS AND DISCUSSION section, the thirteenth sentence of Paragraph 4 (page 223[613]) should read as:

"Goodman et al. reported that the shake-up peak of $Cu_2p_{3/2}$ was caused by the Cu^{2+} state, and the observed XP spectra of Cu are attributed to Cu^+ and Cu^{2+} states by curve fitting parameters [15]."

12. In the RESULTS AND DISCUSSION section, Figure 1 (page 220[610]) should read as:



13. In the RESULTS AND DISCUSSION section, Figure 3 (page 222[612]) should read as:



The authors regret the inadvertent errors as they were unaware of the partial overlap with our work at the time of publication.