

## Correction to Large Scale Pattern Graphene Electrode for High Performance in Transparent Organic Single Crystal Field-Effect Transistors

[*ACS Nano* 2010, 4, 3927–3932]. Wei Liu,\* Biyun Li Jackson, Jing Zhu, Cong-Qin Miao, Choong-Heui Chung, Young-Ju Park, Ke Sun, Jason Woo, and Ya-Hong Xie\*

In the author list, the fifth author's name should be changed from "Choon-Heui, Chung" to "Choong-Heui Chung".

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10.1021/nn200548f

## Correction to Cell-Directed Integration into Three-Dimensional Lipid–Silica Nanostructured Matrices

[*ACS Nano* 2010, 4, 5539–5550. DOI: 10.1021/nn101793u]. Jason C. Harper, Constantine Y. Khrpin, Eric C. Carnes, Carlee E. Ashley, DeAnna M. Lopez, Travis Savage, Howland D. T. Jones, Ryan W. Davis, Dominique E. Nunez, Lina M. Brinker, Bryan Kaehr, Susan M. Brozik,\* and C. Jeffrey Brinker\*

The second author's last name was mis-spelled. The correct spelling is Khrpin.

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## Correction to Broad-Spectrum Enhancement of Polymer Composite Dielectric Constant at Ultralow Volume Fractions of Silica-Supported Copper Nanoparticles

[*ACS Nano* 2011, 5. DOI: 10.1021/nn103097q]. Guggi Kofod,\* Sebastian Risse, Hristiyan Stoyanov, Denis N. McCarthy, Sergey Sokolov, and Ralph Kraehnert

As part of the analysis, the amount of metallic copper and other copper containing species (CuO, CuSO<sub>4</sub>) was quantified based on XPS measurements (Figure 1 in Supporting Information). The peak positions and areas assigned to Cu and CuO have to be interchanged. Figure 1 of the Supporting Information with correct peak assignment looks as follows:

The corrected assignments lead to the following relative amounts of copper species (at %):

Cu: 0.075 at %, CuO: 0.195 at %, and CuSO<sub>4</sub>: 0.071 at %.

Correspondingly, the estimated relative volumetric amount of metallic copper nanoparticles (Cu) in the silica matrix changes from the initially indicated value of 0.46 to 0.18 vol %. The relative volumetric amount of Cu in the SEBS–SiO<sub>2</sub>–Cu composite changes from 0.26 to 0.10 vol %.

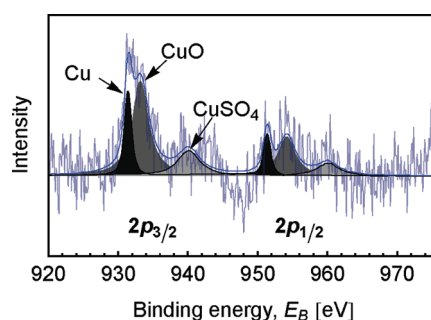


Figure 1. XPS analysis of the Cu-loaded silica microspheres (P1) – three different Cu phases were detected as labeled in the graphs.

The following sections of the article text have to be corrected:

In the Abstract, the amount of Cu changes from "0.26 vol %" to "0.10 vol %".

On the second page, second column, in the paragraph beginning "As suggested by...", the sentence, "Since the amounts of CuO (0.075 at %) and CuSO<sub>4</sub> (0.071 at %) are both lower than that of metallic Cu (0.195 at %)" changes to "Since the amounts of CuO (0.195 at %) and CuSO<sub>4</sub> (0.071 at %) are both similar to that of metallic Cu (0.071 at %)".

Same paragraph, last sentence, the value for the volume fraction of Cu particles in the silica microspheres changes from "0.46 vol %" to "0.18 vol %".

Next paragraph, beginning "Composites of thermo-plastic...", the last number reporting the amount of metallic Cu in composite sample C changes from "0.26 vol %" to "0.10 vol %".

Table 1, last row, last column, the metallic Cu content value changes from "0.26" to "0.10".

On the fourth page, second column, the paragraph beginning "The value of...", the sentence "The content of metallic Cu in the filler particles amounts to 0.46 vol %, corresponding to 0.26 vol % in the composite" changes to "The content of metallic Cu in the filler particles amounts to 0.18 vol %, corresponding to 0.10 vol % in the composite".

Same paragraph, "...the predicted composite permittivity would be 3.34." The value changes to "3.31".

On the fifth page, first column, the paragraph beginning "We now discuss...", the value in the last sentence changes from "0.26 vol %" to "0.10 vol %".

Next paragraph, the value "0.46 vol %" changes to "0.18 vol %".

Table 2, last row, numbers "0.0026, 344.8, 344.5" change to "0.0010, 896.5, 895.7", respectively.

Sixth page, the paragraph beginning "In conclusion...", the values "0.46 vol %" and "0.26 vol %" change to "0.18 vol %" and "0.10 vol %", respectively.

Changes also occur in the Supporting Information document, apart from the change in Figure 1 mentioned above:

SI page 2, section titled "XPS Analysis", in the last two sentences, the value "0.195 at %" changes to "0.075 at %", the value "0.075 at %" changes to "0.195 at %", and the value "57.2 %" changes to "22.0 %".

SI page 4, section titled "Calculation of...", the value "57.2 %" changes to "22.0 %" and the value "0.46 vol %" changes to "0.18 vol %".

With the corrected assignments of Cu and CuO content in sample C, the theoretical permittivity value calculated for the SEBS-SiO<sub>2</sub>-Cu composite amounts to 3.31 (before: 3.34). The change is insignificant when compared to the experimentally observed value of 6.4; that is, the experimentally observed permittivity increase due to the presence of Cu nanoparticles is much higher than can be explained by classical mixing models such as the Bruggeman equation. Thus, the previously drawn conclusions are upheld.

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