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retractions

Superconductivity in $CaCuO_2$ as a result of field-effect doping

J. H. Schön, M. Dorget, F. C. Beuran, X. Z. Zu, E. Arushanov, C. Deville Cavellin & M. Laguës

Nature **414**, 434–436 (2001).

This manuscript was, in part, the subject of an independent investigation[1] conducted at the behest of Bell Laboratories, Lucent Technologies. The independent committee reviewed concerns related to the validity of data associated with the device measurements described in the paper.

J.H.S.: As a result of the committee's findings[1], I am issuing a retraction of the paper. I note nevertheless that this paper may also contain some legitimate ideas and contributions.

M.D., X.Z.Z., E.A. and C.D.C.: In the light of the recent findings of the investigation[1] committee chaired by Professor Beasley, we would like to warn readers about the validity of the field-effect doping data presented in this paper and issue a retraction of this article. Our laboratory specializes in the synthesis, by molecular beam epitaxy, of copper oxide thin films. In May 2001, we initiated a collaboration with J.H.S., in which our role was limited to the synthesis of a thin-film sample of $CaCuO_2$. We can certify the quality (composition and structure) of the sample, and we are ready to prepare such samples for other serious scientific teams who want to try to reproduce these results.

M.L. and F.C.B.: We comment here as researchers at Wintici SA, a technology company. The synthesis of the $CaCuO_2$ sample reported in the paper was undertaken in collaboration with researchers from ESPCI, and we can vouch for its quality. But in the light of the committee's findings[1], we wish to issue a retraction of the paper. We note nevertheless that this paper may also contain some legitimate ideas and contributions. □

1. Beasley, M. R., Datta, S., Kogelnik, H., Kroemer, H. & Monroe, D. Report of the Investigation Committee on the Possibility of Scientific Misconduct in the Work of Hendrik Schön and Coauthors. ⟨http://publish.aps.org/reports/⟩ (doi:10.1103/aps.reports.lucent) (Lucent Technologies/American Physical Society, September 2002).

Superconductivity in single crystals of the fullerene C_{70}

J. H. Schön, Ch. Kloc, T. Siegrist, M. Steigerwald, C. Svensson & B. Batlogg

Nature **413**, 831–833 (2001).

This manuscript was, in part, the subject of an independent investigation[1] conducted at the behest of Bell Laboratories, Lucent Technologies. The independent committee reviewed concerns related to the validity of data associated with the device measurements described in the paper. As a result of the committee's findings, we are issuing a retraction of the paper. We note nevertheless that this paper may also contain some legitimate ideas and contributions. □

1. Beasley, M. R., Datta, S., Kogelnik, H., Kroemer, H. & Monroe, D. Report of the Investigation Committee on the Possibility of Scientific Misconduct in the Work of Hendrik Schön and Coauthors. ⟨http://publish.aps.org/reports/⟩ (doi:10.1103/aps.reports.lucent) (Lucent Technologies/American Physical Society, September 2002).

Self-assembled monolayer organic field-effect transistors

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Gate-induced superconductivity in a solution-processed organic polymer film

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Nature **410**, 189–192 (2001).

This manuscript was, in part, the subject of an independent investigation[1] conducted at the behest of Bell Laboratories, Lucent Technologies. The independent committee reviewed concerns related to the validity of data associated with the device measurements described in the paper. As a result of the committee's findings, we are issuing a retraction of the paper. We note nevertheless that this paper may also contain some legitimate ideas and contributions. □

1. Beasley, M. R., Datta, S., Kogelnik, H., Kroemer, H. & Monroe, D. Report of the Investigation Committee on the Possibility of Scientific Misconduct in the Work of Hendrik Schön and Coauthors. ⟨http://publish.aps.org/reports/⟩ (doi:10.1103/aps.reports.lucent) (Lucent Technologies/American Physical Society, September 2002).