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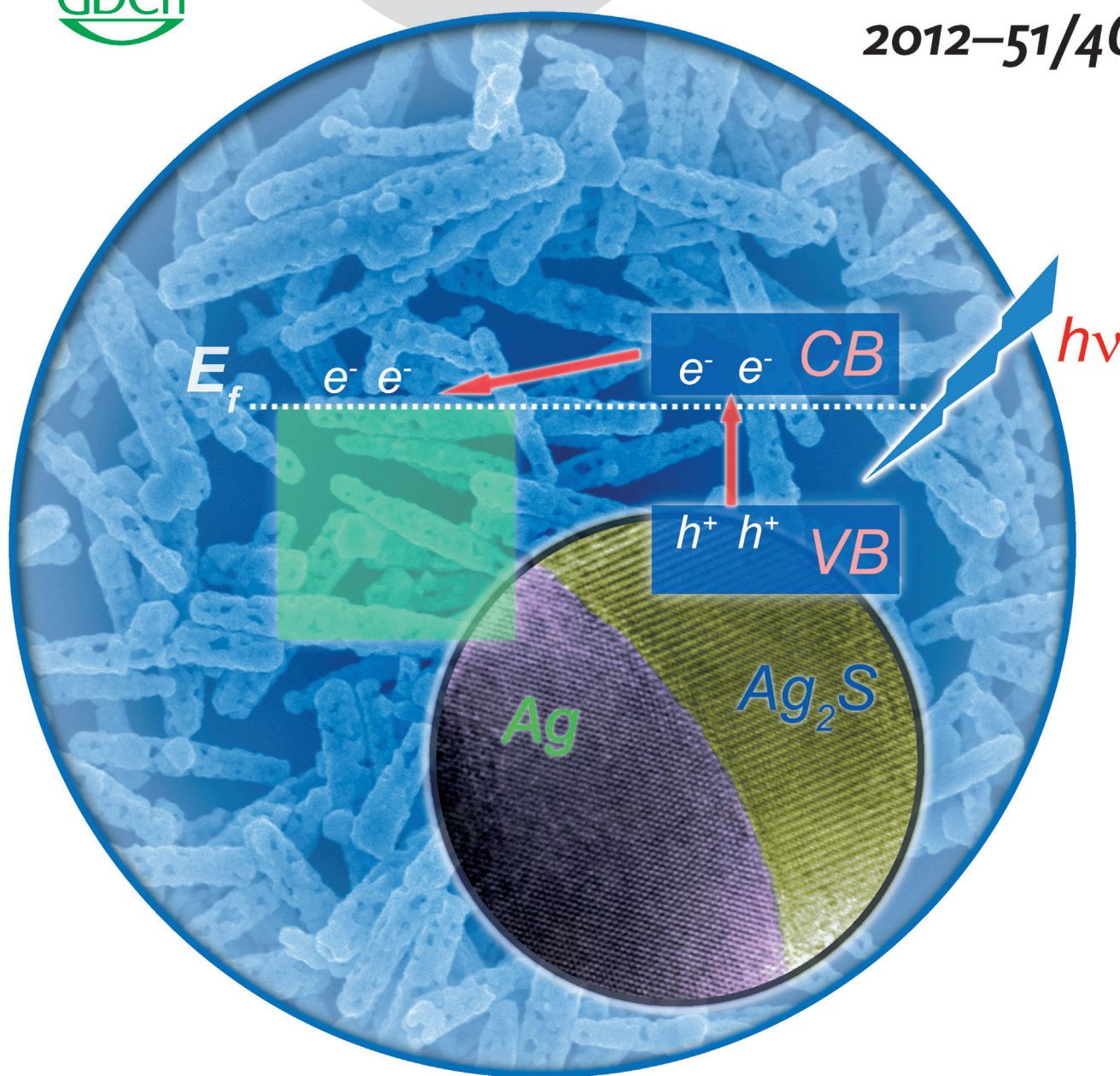
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Semiconductor–metal heterostructure ...

... nanotubes have been rationally synthesized through rapid microwave-assisted sulfidation of Ag_2CO_3 nanorods, as described by X. W. Lou et al. in their Communication on page 11501 ff. The relative amounts of Ag_2S and Ag in the resulting hybrid structure can be easily tuned. The optimized Ag_2S –Ag hybrid structure manifests superior photocatalytic activity for both degradation of methyl orange and reduction of aqueous Cr^{VI} under visible-light irradiation.

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