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LETTER TO THE EDITOR

Enhanced quantum efficiency of a dye-sensitised-heterojunction photo-electrical cell

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Abstract. A heterojunction CuS/CuCNS photocathode where the outer film of CuCNS is sensitised with rhodamine B is found to have a higher quantum efficiency than CuCNS or CuS surface-sensitised with the same dye. The enhanced photocurrent quantum efficiency is attributed to the presence of a strong space charge electric field that assists charge separation.