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2013-52/42 Solar energy \rightarrow H₂ + 1/2 O₂

The highest solar photocurrent ...

... among all currently available tantalum nitride (Ta_3N_5) photoanodes is obtained by oxidation and nitridation of tantalum foils, as described by W. Luo, Z. Zou et al. in their Communication on page 11016 ff. The high photocurrent mainly originates from the facile thermal or mechanical exfoliation of surface recombination centers.



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