

CATALYSIS OF WATER PHOTOLYSIS BY TRICHLOROCUPRATE IONS

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Summary

Irradiation of an aqueous solution of trichlorocuprate(I) ions liberates hydrogen with oxidation of trichlorocuprate(I) to trichlorocuprate(II). Irradiation of trichlorocuprate(II) ions liberates oxygen with reduction to trichlorocuprate(I). Thus continuous water photolysis is possible with trichlorocuprate ions. Quantum yields are measured under various conditions.
