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# **UVA-UVB activation of hydrogen peroxide and persulfate for Advanced Oxidation Processes: Efficiency, mechanism and effect of various water constituents**

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## **Highlights**

Efficiency of UVA + UVB activation of  $\text{H}_2\text{O}_2$  and  $\text{S}_2\text{O}_8^{2-}$  is demonstrated

High chloride ion concentration enhances the BPA transformation using photoactivation of persulfate ions.

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