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Application of electrochemical advanced oxidation to bisphenol A degradation in water. Effect of sulfate and chloride ions

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Research highlights

- ▶ Mineralization of bisphenol A at pH 3.0 increases as: EO-H₂O₂ < EF < PEF < SPEF
- ▶ Almost total mineralization by PEF and SPEF in sulfate medium and chloride matrices
- ▶ Slower degradation in chloride medium due to formation of chlorinated intermediates
- ▶ Very faster decay of bisphenol A by SPEF due to high •OH production induced by sunlight
- ▶ Identification of 8 non-chlorinated and 6 chlorinated primary aromatics and 4 carboxylic acids

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