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Selective photodegradation of phenol in the presence of a commercial humic acid

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Highlights

- Pure and Ce-doped TiO₂ under different conditions were synthesized.
- Catalysts prepared with a polysorbate nonionic surfactant exhibited a higher photocatalytic activity.
- Phenol was successfully decomposed even in the presence of a commercial humic acid as competing natural organic matter.

ABSTRACT

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