



Showcasing research from Prof. K. C. Hwang's laboratory, Department of Chemistry, National Tsing Hua University, Taiwan.

Oxidative destruction of chlorinated persistent organic pollutants by hydroxyl radicals *via* ozone and UV light irradiation

Showcasing a simple, mild, metal-free, highly efficient, and economically feasible method for oxidative degradation of super-stable organochlorinated compounds and persistent organic pollutants (POPs) at room temperature using inexpensive, eco-friendly ozone gas under ultraviolet (UV) irradiation. *In-situ* generated hydroxyl radicals degrade tough and difficult-to-be oxidized organochlorines/POPs into useful and non-toxic products using ozone gas, which is eco-friendly and helps in remediation of Earth's atmosphere.

As featured in:



See Kuo Chu Hwang *et al.*, *Green Chem.*, 2023, 25, 9695.