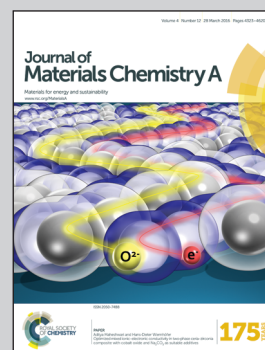


Showcasing research from the Nanomaterials & Photocatalysis Lab of the Department of Chemical Engineering, Laval University, Quebec, Canada.

Title: Efficient hollow double-shell photocatalysts for the degradation of organic pollutants under visible light and in darkness

The development of photocatalysts that can work both under visible light and in darkness remains an important research target for environmental applications. This report presents the first synthesis of hollow double-shell H:Pt-WO<sub>3</sub>/TiO<sub>2</sub>-Au nanospheres that exhibit efficient degradation of organic pollutants both under visible light and in darkness. This work opens a new approach to develop efficient 24 hour-working photocatalysts for air purification and waste water treatment.

As featured in:



See Trong-On Do et al.,  
*J. Mater. Chem. A*, 2016, 4, 4413.



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