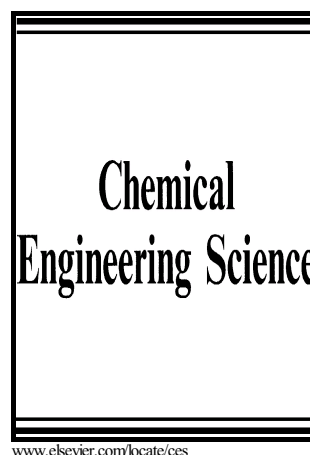


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Probing the effect of nanotubes on N-nitrosodimethylamine photocatalytic degradation efficiency and reaction pathway

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Highlights

- TiO₂ nanotube and Au-modified TiO₂ nanotube were prepared to evaluate tube effect.
- Tubular morphology of TiO₂ nanotube is kept after Au modification.
- Tubular morphology of TiO₂ nanotube plays a key role in enhancing NDMA degradation.
- Tubular TiO₂ initiates new NDMA photocatalytic path, generating DMA as main product.

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