



Deriving Ag_3PO_4 -CaO composite as a stable and solar light photocatalyst for efficient ammonia degradation from wastewater

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PII: S2095-4956(17)30070-0
DOI: [10.1016/j.jechem.2017.06.012](https://doi.org/10.1016/j.jechem.2017.06.012)
Reference: JECHEM 341

To appear in: *Journal of Energy Chemistry*

Received date: 19 January 2017
Revised date: 28 May 2017
Accepted date: 20 June 2017

Please cite this article as: Y. Shaveisi , S. Sharifnia , Deriving Ag_3PO_4 -CaO composite as a stable and solar light photocatalyst for efficient ammonia degradation from wastewater, *Journal of Energy Chemistry* (2017), doi: [10.1016/j.jechem.2017.06.012](https://doi.org/10.1016/j.jechem.2017.06.012)

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Highlight

- Synthesized $\text{Ag}_3\text{PO}_4\text{-CaO}$ photocatalyst was utilized for degradation of ammonia solution.
- Ag_3PO_4 and $\text{Ag}_3\text{PO}_4\text{-CaO}$ were prepared by precipitation and impregnation methods.
- The $\text{Ag}_3\text{PO}_4\text{-CaO}$ have excellent photocatalytic performances in the wide visible-light.
- 60%wt. $\text{Ag}_3\text{PO}_4\text{-CaO}$ photocatalyst had maximum ammonia degradation (about 70%).

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