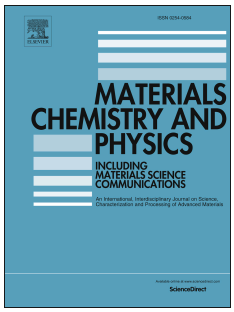
Accepted Manuscript



Boron carbonitride sheet/ Cu_2O composite for an efficient photocatalytic hydrogen evolution

Sivaprakash Kalimuthu, Induja M. Sundaram, Sekar Karthikeyan, Gomathipriya Ponnaiah

PII: S0254-0584(18)30684-9

DOI: 10.1016/j.matchemphys.2018.08.019

Reference: MAC 20862

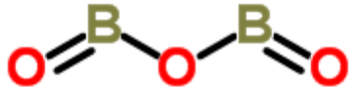
To appear in: *Materials Chemistry and Physics*

Received Date: 15 May 2018

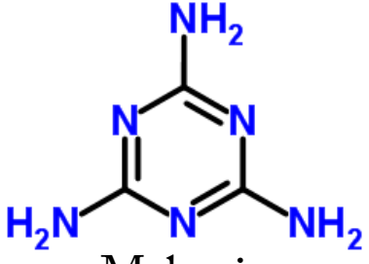
Revised Date: 2 August 2018

Accepted Date: 8 August 2018

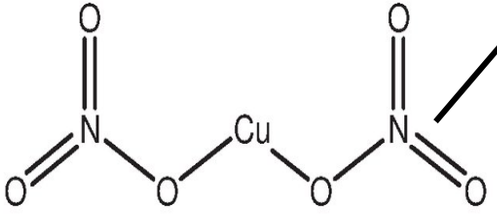
Please cite this article as: S. Kalimuthu, I.M. Sundaram, S. Karthikeyan, G. Ponnaiah, Boron carbonitride sheet/ Cu_2O composite for an efficient photocatalytic hydrogen evolution, *Materials Chemistry and Physics* (2018), doi: 10.1016/j.matchemphys.2018.08.019.



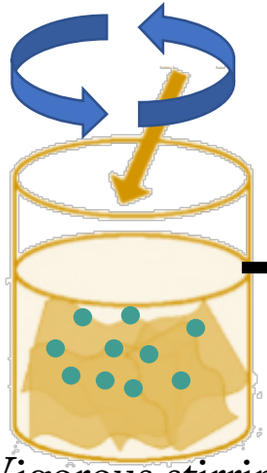
Boric anhydride



Melamine

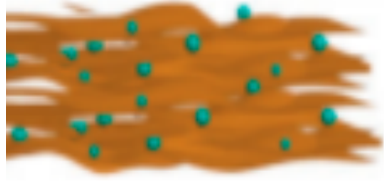


Copper nitrate



Vigorous stirring
for 4h

500˚C for 2h
Rate: 2˚C/min



BCN/Cu_2O composite