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Supplementary Information

Ball Milling procedure

In the Pulverisette-6 planetary ball mill, zirconium dioxide (ZrO_2) was utilized as the milling media. The milling media included a jar (500 ml) and balls (20 mm diameter; balls-to-powder mass ratio=10:1).

For Ag NPs, planetary ball milling was performed for 60 minutes at 400 rpm, respectively. For the Ag@rGO catalyst, milling was performed for 3 hours at room temperature. The milling process was paused at regular intervals to maintain the inner temperature.



Figure S1

Figure S1 Schematic presentation for hydrogen production from the hydrolysis of sodium borohydride in a continuous flow system using the water displacement method.

Figure S2



Figure S2 Schematic presentation for hydrogen production from the hydrolysis of sodium borohydride in a batch flow system using the water displacement method.