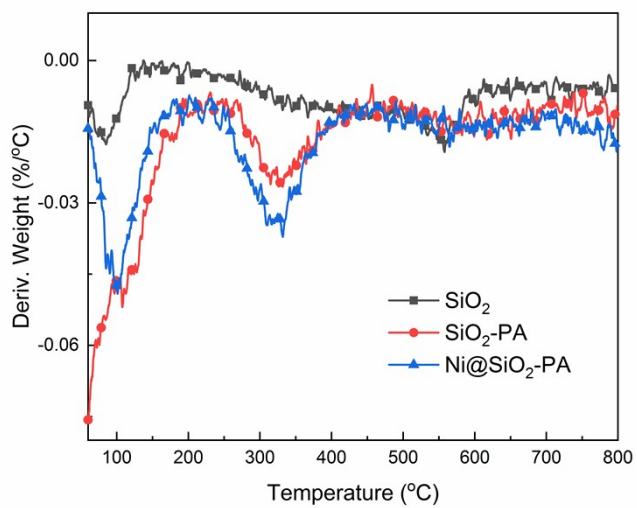


## Supporting information

### 3. Results and discussion



**Fig. S1** DTG curves of SiO<sub>2</sub>, SiO<sub>2</sub>-PA and Ni@SiO<sub>2</sub>-PA under N<sub>2</sub> atmosphere.