Supporting information

Laser Shock Fabrication of Nitrogen Doped Inverse Spinel Fe_3O_4/Carbon Nanosheet Film Electrodes towards Hydrogen Evolution Reactions in Alkaline Media

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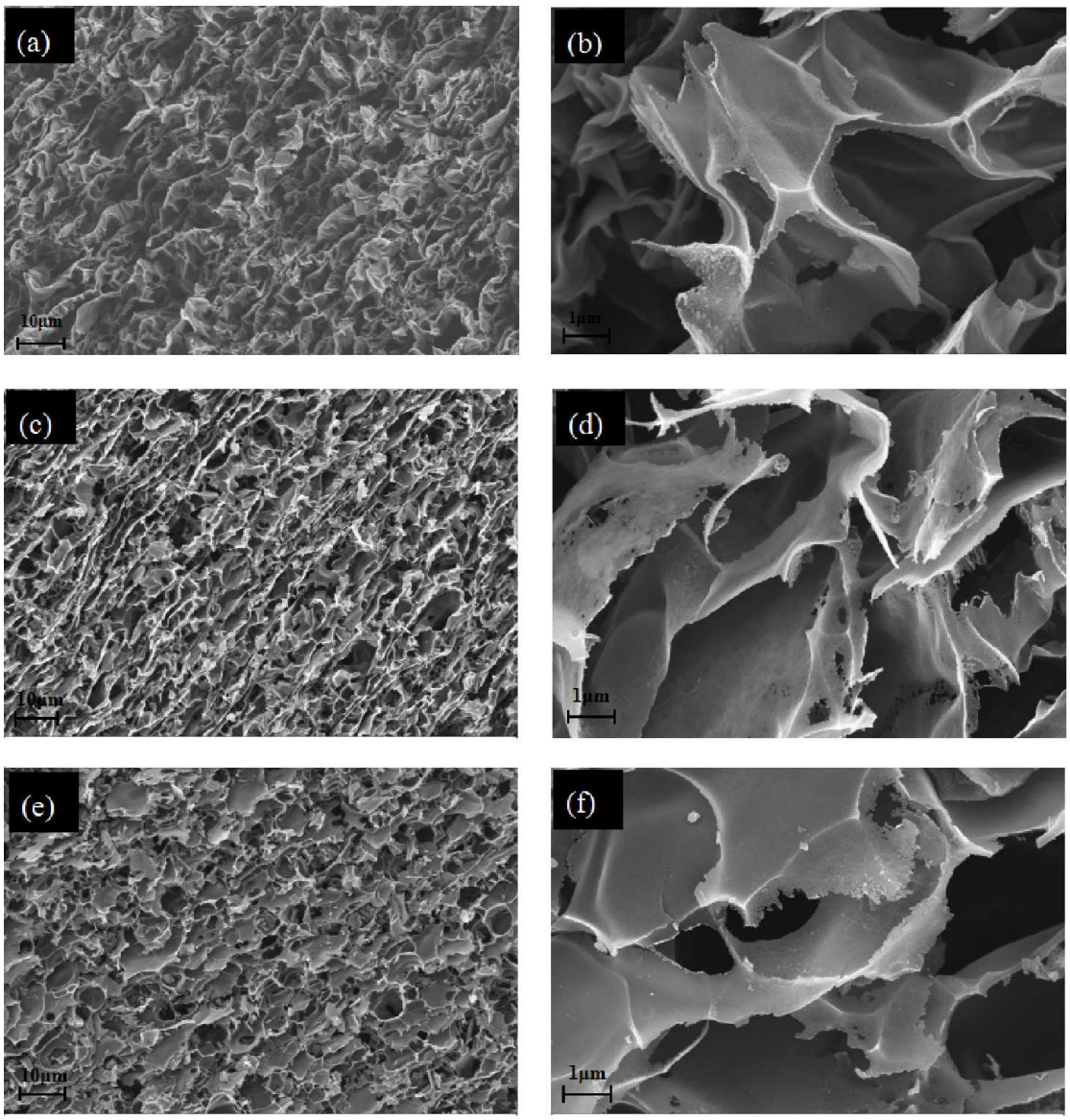

Figure S1. SEM of PI/Fe_3O_4 composite film ablated by laser: (a)(b) 0 wt% Fe_3O_4, (c)(d) 0.3 wt% Fe_3O_4, (e)(f) 0.5 wt% Fe_3O_4

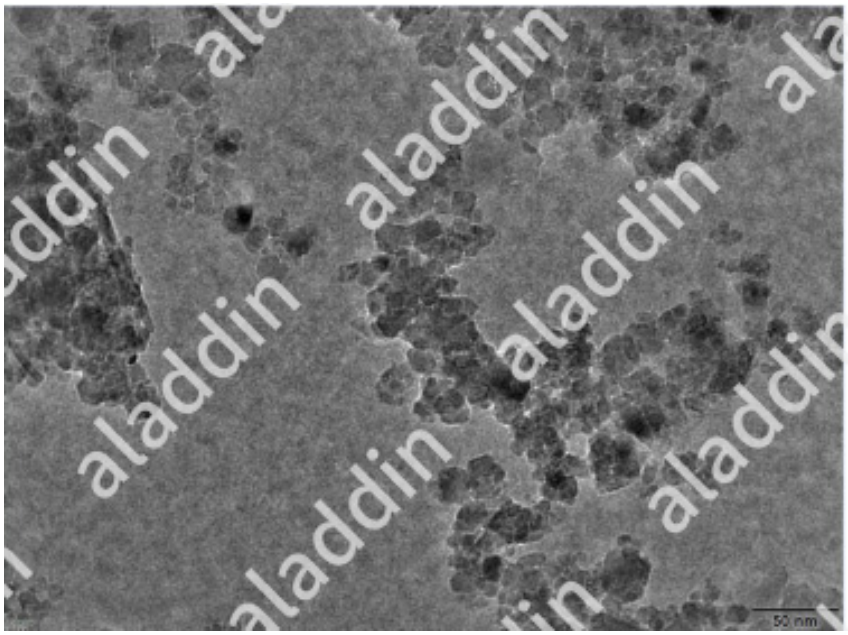

Figure S2. The typical TEM image of Nano-Fe_3O_4.

Figure S3. Flat vulcanizing machine.

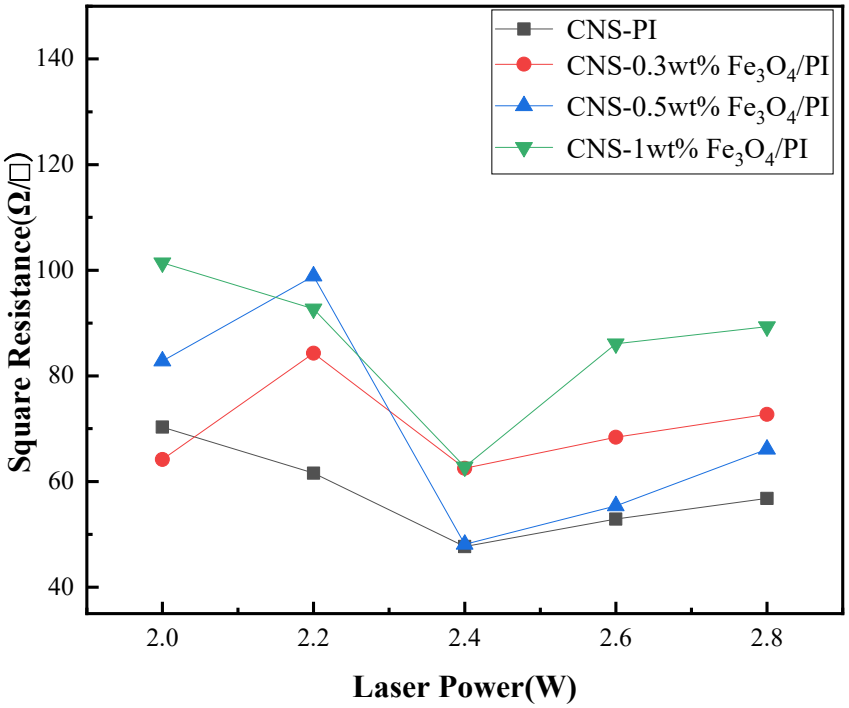

Figure S4. Square resistance of CNS-PI/Fe_3O_4 under different laser power.

Figure S5. The photograph of Fe_3O_4/PI composite film before and after laser scribing.

Movie S1. Laser Ablate Video

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