

## Supplementary Information

### Defect-related ferromagnetism in ultrathin metal-free g-C<sub>3</sub>N<sub>4</sub> nanosheets

Daqiang Gao, Qiang Xu, Jing Zhang, Zhaolong Yang, Mingsu Si\*, Zhongjie Yan, and Desheng Xue\*

Key Laboratory for Magnetism and Magnetic Materials of MOE, Lanzhou University, Lanzhou 730000, P. R. China. Fax: +86 0931 8912237; Tel: +86 0931 8912237; \*E-mail: [xueds@lzu.edu.cn](mailto:xueds@lzu.edu.cn); [sims@lzu.edu.cn](mailto:sims@lzu.edu.cn).

1. Table S1. ICP results for the g-C<sub>3</sub>N<sub>4</sub> nanosheets.
2. Fig. S2 Field dependence of the ZFC and FC curves for g-C<sub>3</sub>N<sub>4</sub> nanosheets (S450).
3. Fig. S3 Primitive *M-H* curves for g-C<sub>3</sub>N<sub>4</sub> nanosheets measured at different temperatures (S450).

Element content (ppm)	Fe	Co	Ni	Mn	Cr
First	7.8	2.8	0.8	0.2	1.4
Second	8.5	2.8	0.9	0.3	1.5

Table S1. ICP results for the g-C<sub>3</sub>N<sub>4</sub> nanosheets.

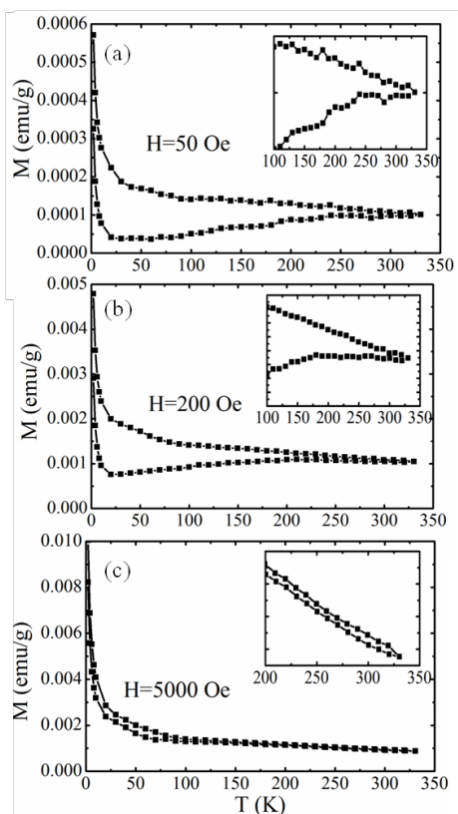
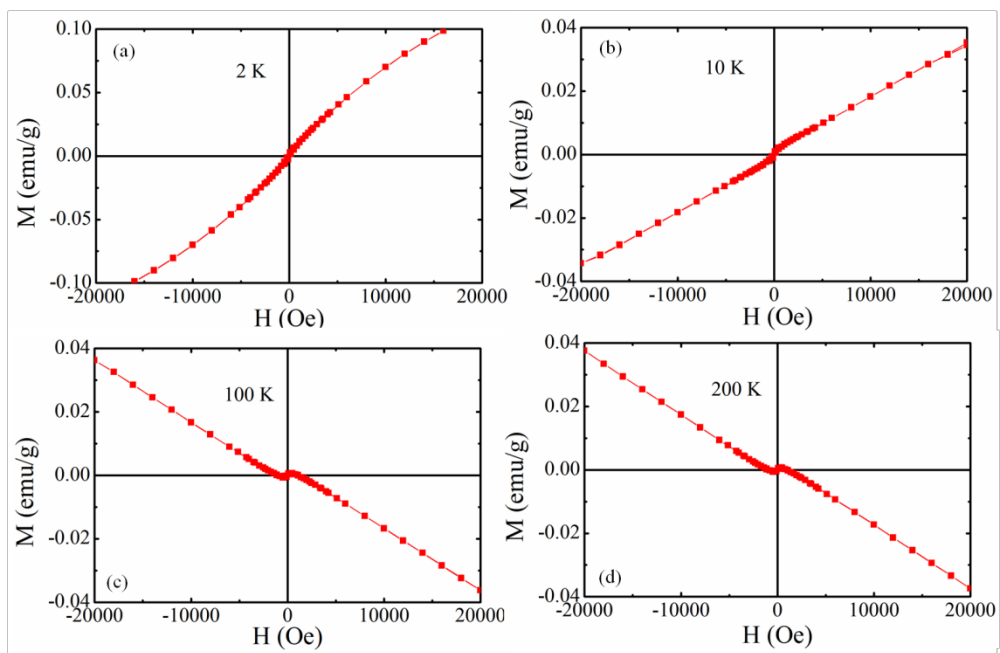


Fig. S2 Field dependence of the ZFC and FC curves for g-C<sub>3</sub>N<sub>4</sub> nanosheets (S450).



**Fig. S3** Primitive  $M$ - $H$  curves for  $g\text{-C}_3\text{N}_4$  nanosheets measured at different temperatures (S450).