

Accepted Manuscript

Fe₂O₃ amorphous nanoparticles/graphene composite as high-performance anode materials for lithium-ion batteries

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PII: S0925-8388(17)31027-7

DOI: [10.1016/j.jallcom.2017.03.235](https://doi.org/10.1016/j.jallcom.2017.03.235)

Reference: JALCOM 41273

To appear in: *Journal of Alloys and Compounds*

Received Date: 8 December 2016

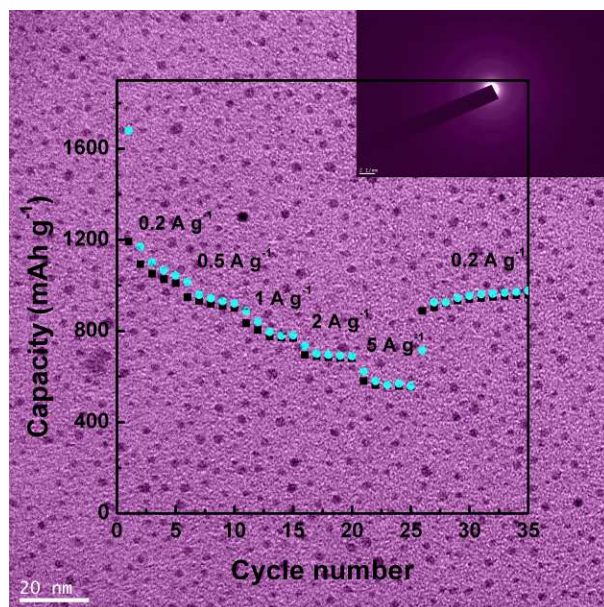
Revised Date: 22 February 2017

Accepted Date: 20 March 2017

Please cite this article as: X. Zhu, X. Jiang, X. Chen, X. Liu, L. Xiao, Y. Cao, Fe₂O₃ amorphous nanoparticles/graphene composite as high-performance anode materials for lithium-ion batteries, *Journal of Alloys and Compounds* (2017), doi: 10.1016/j.jallcom.2017.03.235.

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Graphical Abstract



Amorphous Fe₂O₃ nanospheres anchored on reduced graphene oxide (Fe₂O₃/rGO) were prepared by the electron beam radiation approach. The Fe₂O₃/rGO exhibits a highly reversible capacity of 1064 mA h g⁻¹ after 100 cycles at 200 mA g⁻¹ with 88% of capacity retention and a superior rate capacity of 580 mA h g⁻¹ at 5000 mA g⁻¹ for Li ion storage.

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