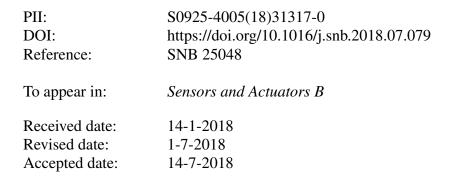
Accepted Manuscript

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Please cite this article as: Yan S, Wu Q, Synchronous Synthesis and Sensing Performance of α -Fe₂O₃/SnO₂ Nanofiber Heterostructures for Conductometric C₂H₅OH Detection, *Sensors and Actuators: B. Chemical* (2018), https://doi.org/10.1016/j.snb.2018.07.079

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ACCEPTED MANUSCRIPT

Synchronous Synthesis and Sensing Performance of α-Fe₂O₃/SnO₂ Nanofiber Heterostructures for Conductometric C₂H₅OH Detection

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Highlights:

- A facile synthesis method was provided to prepare α -Fe₂O₃/SnO₂ nanofibers heterostructures.
- Within the heterostructure, 0D α -Fe₂O₃ nanoparticles and 1D SnO₂ nanofibers were formed simultaneously.
- The Fe/Sn ratio can be adjusted by changing the diameter of SnO₂ backbone.
- The α -Fe₂O₃/SnO₂ nanofibers show superior ethanol sensing performance.

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