Accepted Manuscript

Title: Highly fluorescent carbon dots synthesized with binary dopants for "turn off" and "turn off-on" sensing and cell imaging

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PII: S0925-4005(18)30687-7

DOI: https://doi.org/10.1016/j.snb.2018.03.189

Reference: SNB 24474

To appear in: Sensors and Actuators B

Received date: 28-11-2017 Revised date: 26-3-2018 Accepted date: 31-3-2018



Please cite this article as: Lu-Shuang Li, Xin-Yue Jiao, Yu Zhang, Cheng Cheng, Kun Huang, Li Xu, Highly fluorescent carbon dots synthesized with binary dopants for "turn off" and "turn off-on" sensing and cell imaging, Sensors and Actuators B: Chemical https://doi.org/10.1016/j.snb.2018.03.189

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ACCEPTED MANUSCRIPT

Highly fluorescent carbon dots synthesized with binary dopants for "turn off" and "turn off-on" sensing and cell imaging

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