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Author: Lingzhi Zhao Congcong Li Honglan Qi Qiang Gao

Chengxiao Zhang

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Electrochemical lectin-based biosensor array for detection and discrimination of carcinoembryonic antigen using dual amplification of gold nanoparticles and horseradish peroxidase

Lingzhi Zhao[#], Congcong Li[#], Honglan Qi*, Qiang Gao, Chengxiao Zhang

Key Laboratory of Analytical Chemistry for Life Science of Shaanxi Province, School

of Chemistry and Chemical Engineering, Shaanxi Normal University, Xi'an, 710062,

P.R. China

[#] co-first author; * To whom correspondence should be addressed. E-mail: honglanqi@snnu.edu.cn (HL Qi); Phone: +86 29 81530726; Fax: +86-29-81530727.

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