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Author: Xiaolong Qian Yong Zhao Ya-nan Zhang Qi Wang

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**Theoretical Research of Gas Sensing Method Based on  
Photonic Crystal Cavity and Fiber Loop Ring-Down  
Technique**

Xiaolong Qian<sup>1</sup>, Yong Zhao<sup>1,2,\*</sup>, Ya-nan Zhang<sup>1</sup>, Qi Wang<sup>1</sup>

<sup>1</sup> College of Information Science and Engineering, Northeastern University, Shenyang  
110819, China

<sup>2</sup> State Key Laboratory of Synthetical Automation for Process Industries, Shenyang  
110819, China

*\*Corresponding author: zhaoyong@ise.neu.edu.cn*

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