

## 1. Optical Magnetometry based on Fluidic-Solid Composite WGM Microbubble Resonator

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**Abstract:** We demonstrate an AC optical magnetometry based on fluid-solid composite whispering gallery mode microcavity filled with Terfenol-D particles and UV adhesive, achieving the sensitivity of 9.2 nT  $\sqrt{\text{Hz}}$  at frequency of 2 MHz. © Optica Publishing Group 2024

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