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Anti-Resonant Reflecting Acoustic Rib Waveguides for Opto-acoustics

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Mutual strong confinement of light and sound in photonic waveguides is desirable for on-chip opto-acoustic nonlinear interactions, but very few materials are naturally guiding for both waves. Here, we present Anti-Resonant Reflecting Acoustic Waveguides (ARRAWs) as a potential solution.

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