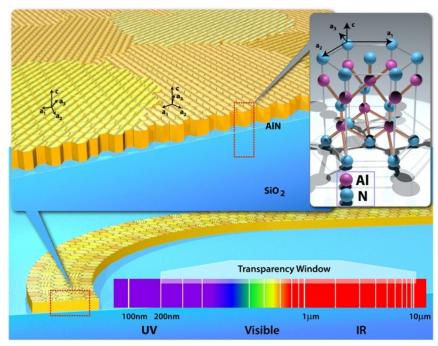
Silicon integrated high speed electro-optic modulators



On-chip optical modulation is one of the most important functionalities for integrated silicon photonic circuits. We demonstrate that sputter-deposited polycrystalline metallic thin films are promising materials for realizing ultra-low power modulators. Wafer-scale deposition of highly oriented metallic films allows CMOS-compatible, monolithic integration of active photonic elements on large scales.



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