Abstract Submitted
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Temperature Dependence Characterization of Layered Materials via the Magneto-Optical Kerr Effect[1] HAOXIANG ZHANG, CHRISTOPHER STEVENS, JAGANNATH PAUL, DENIS KARAISKAJ, Univ of South Florida, CASEY MILLER, Rochester Institute of Technology — The Curie temperature of PyCu alloy films can be controlled by Cu content. The additional thickness in layered materials changes the Cure temperature and hence the magnetic coupling between permalloy and Cu layers. The decoupling is investigated by the Magneto-Optical Kerr Effect (MOKE) as a function of temperature around the Curie temperature. The measurements reveal the coupling dynamics between permalloy and Co in novel magnetic heterostructures.

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