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Magnetic anisotropy induced novel phenomena in itinerant ferromagnet SrRuO₃ thin films

Zhang, Ping

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List of publications

- 1. Robust skyrmion-bubble textures in SrRuO₃ thin films stabilized by magnetic anisotropy**
P. Zhang, A. Das, E. Barts, M. Azhar, L. Si, K. Held, M. Mostovoy, and T. Banerjee
Physical Review Research **2**, 032026(R) (2020).
- 2. Tunable magnetic anisotropy in SrMnO₃/SrRuO₃ bilayers studied by angle and temperature dependence of magneto-transport**
P. Zhang, A. Das, J. J. L. van Rijn, A. J. Watson, and T. Banerjee
Applied Physics Letters **121**, 152401 (2022).
- 3. Competition effect of high-spin state and low-spin state in SrRuO₃ thin films**
P. Zhang and T. Banerjee
in preparation
- 4. Engineering magnetic domain in SrRuO₃ thin films**
P. Zhang and T. Banerjee
in preparation
- 5. The origin of the $\sim 274\text{ cm}^{-1}$ additional Raman mode induced by the incorporation of N dopants and a feasible route to achieve p-type ZnO:N thin films**
P. Zhang, C. Kong, W. Li, G. Qin, Q. Xu, H. Zhang, H. Ruan, Y. Cui, and L. Fang
Applied Surface Science **327**, 154–158 (2015)

