

Development of Molecule-Based 2D Magnets

Natalie Jen, Miguel Gakiya-Teruya, Michael Shatruk

Department of Chemistry & Biochemistry, Florida State University, Tallahassee, Florida 32306

 $R = CH_3$ ----------------------ZFC $T_{\rm C} = 47 \, {\rm K}$ $\mathsf{R} = \mathsf{C}_{\mathsf{5}}\mathsf{H}_{\mathsf{11}}$ ─■─ FC ─o─ ZFC $T_{\rm C} = 42 \, {\rm K}$ $R = C_{10}H_{21}$ —∎— FC ----------ZFC $T_{\rm C} = 40 \, {\rm K}$