

48. Title: A linear single-molecule magnet based on [Ru-III(CN)(6)](3-)
Author: Pedersen, KS; Dreiser, J; Nehr Korn, J; Gysler, M; Schau-Magnussen, M; Schnegg, A; Holldack, K; Bittl, R; Piligkos, S; Weihe, H; Tregenna-Piggott, P; Waldmann, O; Bendix, J
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Abstract: We report the synthesis, structure and magnetic properties of the first molecular cluster and single-molecule magnet to incorporate [Ru-III(CN)(6)](3-). Frequency-domain Fourier-transform THz-EPR (FDFT THz-EPR) and magnetic susceptibility measurements indicate strongly anisotropic Mn-Ru exchange interactions.