Supplementary Materials

Steric, activation method and solvent effects on the structure of paddlewheel diruthenium complexes

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X-RAY DATA

Table S1. θ angles between carboxylate plane and aromatic ring plane in compounds **1b** and **1c**.

1b		**1c**	
Ru1-Ru2	12.73°	Ru1-Ru1	25.96°
	29.93°		80.66°
	69.13°	Ru2-Ru2	15.51°
	71.73°		25.46°

Figure S1. θ angles between carboxylate plane and aromatic ring plane in **1b**.

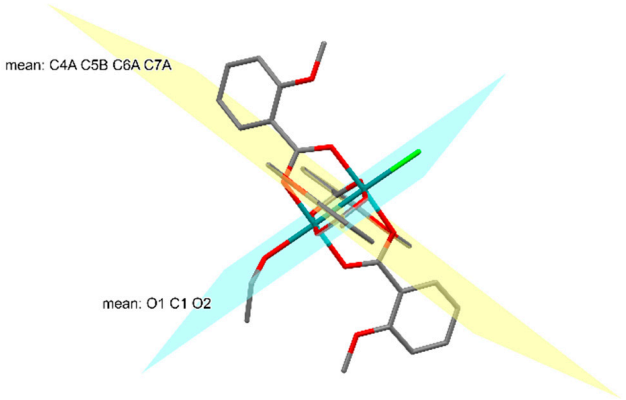

Table S2. Angles between aromatic ring plane and methoxy substituent plane in compounds **1b** and **1c**.

1b		**1c**	
Ru1-Ru2	1.80°	Ru1-Ru1	3.59°
	2.29°		10.59°
	2.34°	Ru2-Ru2	4.64°
	12.03°		7.31°

MAGNETIC PROPERTIES

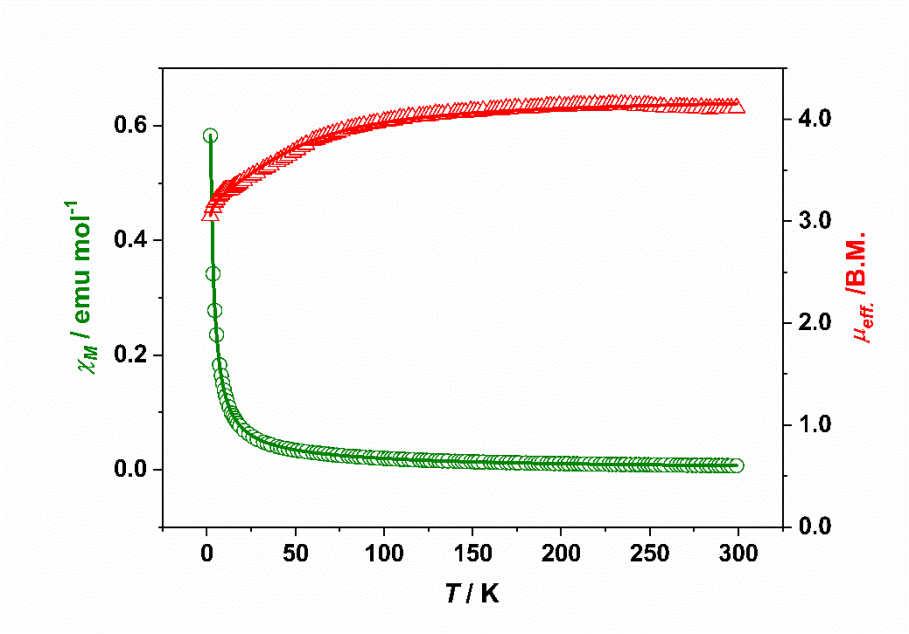

Figure S2. Temperature dependence of the molar susceptibility (o) and magnetic moment (Δ) for compound [$Ru_2Cl(\mu\text{-}O_2CC_6H_4\text{-}m\text{-}OMe)_4]_n$ (**2**). Solid lines are the product of a least-square fit of the experimental data to the model indicated in the text.

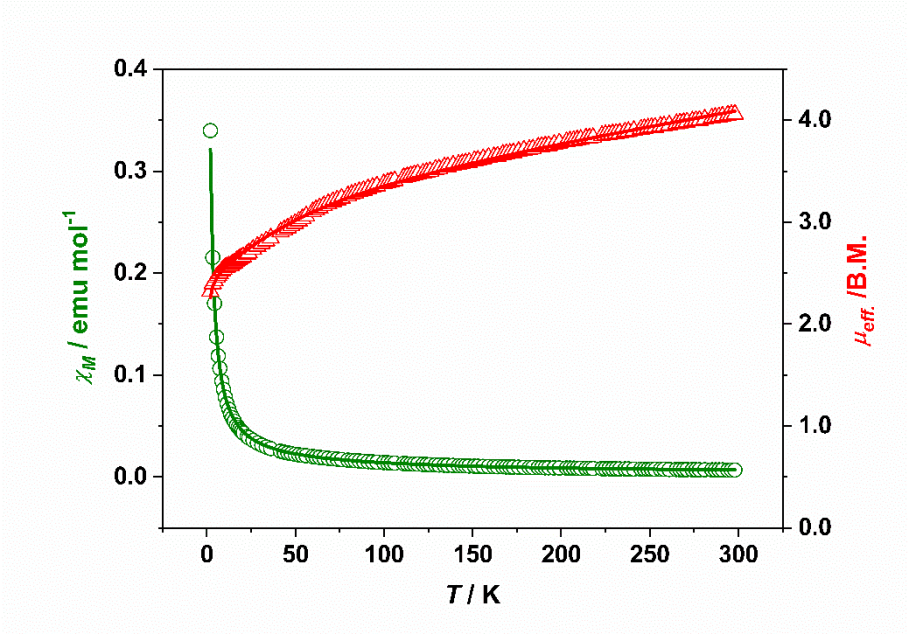

Figure S3. Temperature dependence of the molar susceptibility (o) and magnetic moment (Δ) for compound [$Ru_2Cl(\mu\text{-}O_2CC_6H_4\text{-}p\text{-}OMe)_4]_n$ (**3**). Solid lines are the product of a least-square fit of the experimental data to the model indicated in the text.

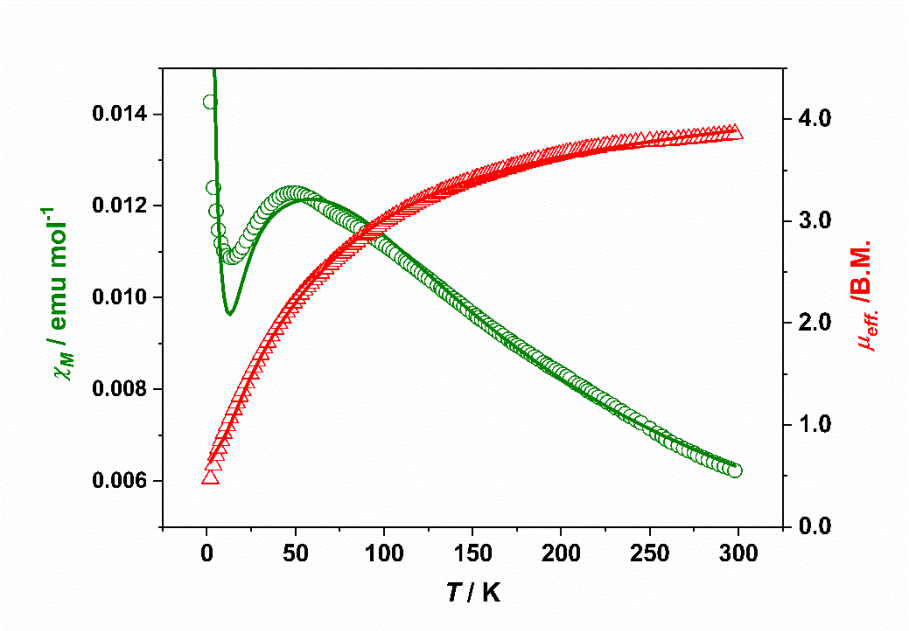

Figure S4. Temperature dependence of the molar susceptibility (o) and magnetic moment (Δ) for compound [$Ru_2Cl(\mu\text{-}O_2CC_6H_4\text{-}o\text{-}OMe)_4]_n$ (**1a**). Solid lines are the product of a least-square fit of the experimental data to the model indicated in the text and considering a Ru(III) monomer as impurity.