

Supporting Information

Table S1: Temperature Dependence of Recombination Rate Constant k_3 (from Figure 6)1 - RuL'₂(CN)₂ / TiO₂

Temperature, K	k_3 , cm ³ s ⁻¹
264	1.24•10 ⁻¹⁵
284	1.96•10 ⁻¹⁵
294	2.05•10 ⁻¹⁵
309	2.71•10 ⁻¹⁵
321	2.76•10 ⁻¹⁵
335	3.44•10 ⁻¹⁵
355	3.74•10 ⁻¹⁵

2 - OsL'₂(CN)₂ / TiO₂

Temperature, K	k_3 , cm ³ s ⁻¹
280	2.18•10 ⁻¹⁵
292	3.3•10 ⁻¹⁵
308	4.42•10 ⁻¹⁵
321	5.58•10 ⁻¹⁵
337	7.6•10 ⁻¹⁵
355	1.02•10 ⁻¹⁴

3 - RuL'₂(NCS)₂ / TiO₂

Temperature, K	k_3 , cm ³ s ⁻¹
356	8.82•10 ⁻¹⁵
339	7.69•10 ⁻¹⁵
321	6.65•10 ⁻¹⁵
286	4.09•10 ⁻¹⁵
273	3.02•10 ⁻¹⁵

4 - OsL'₂(NCS)₂ / TiO₂

Temperature, K	k_3 , cm ³ s ⁻¹
274	9.41•10 ⁻¹⁵
293	1.49•10 ⁻¹⁴
303	1.98•10 ⁻¹⁴
331	3.11•10 ⁻¹⁴
353	5.19•10 ⁻¹⁴