Dinuclear Platinum(II) 4,6-Diphenyl-2,2'-bipyridine Complexes Tethered by Rigid Bridging Ligand: Synthesis and Photophysics in Solution and in LB Film

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Figure S1. Concentration-dependent UV-vis absorption spectra of 1 and 2 in acetonitrile.



Figure S2. Emission spectra of 1 and 2 in different solvents. $\lambda_{ex} = 436 \text{ nm}, A_{436 \text{ nm}} \approx 0.07 \text{ in a } 1$ -

cm cuvette.

Complex	$\lambda_{ m em}/ m nm$ ($ au_{ m em}/ m ns_{;}$ $ au_{ m em}$)			
	CH_2Cl_2	CH ₃ CN	DMF	DMSO
1	537 (3040; 0.16)	567 (80; 0.01)	544 (-; -)	
2	600 (3630; 0.35)	607 (2670; 0.25)	613 (230; 0.023)	606 (20; 0.005)

Table S1. Emission parameters for 1 and 2 in different solvents at room temperature ^a

^a Measured in a solution with $A \approx 0.07$ at 436 nm in a 1-cm cuvette.



Figure S3. The emission (a) and excitation (b) spectra of 1 in CH₃CN at different concentrations at R.T. $\lambda_{ex} = 425$ nm. The excitation spectra were monitored at the emission band maximum of

530 nm.



Figure S4. Time-resolved emission spectra of 1 at different concentrations of CH₃CN glassy

solution at 77 K. $\lambda_{ex} = 355$ nm.



Figure S5. Time-resolved emission spectra of 2 at different concentrations of CH₃CN glassy

solution at 77 K. $\lambda_{ex} = 355$ nm.