

Vapour-Adsorption and Chromic Behaviours of Luminescent Coordination Polymers Composed of a Pt(II)-Diimine Metalloligand and Alkaline-Earth Metal Ions

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Supporting Information

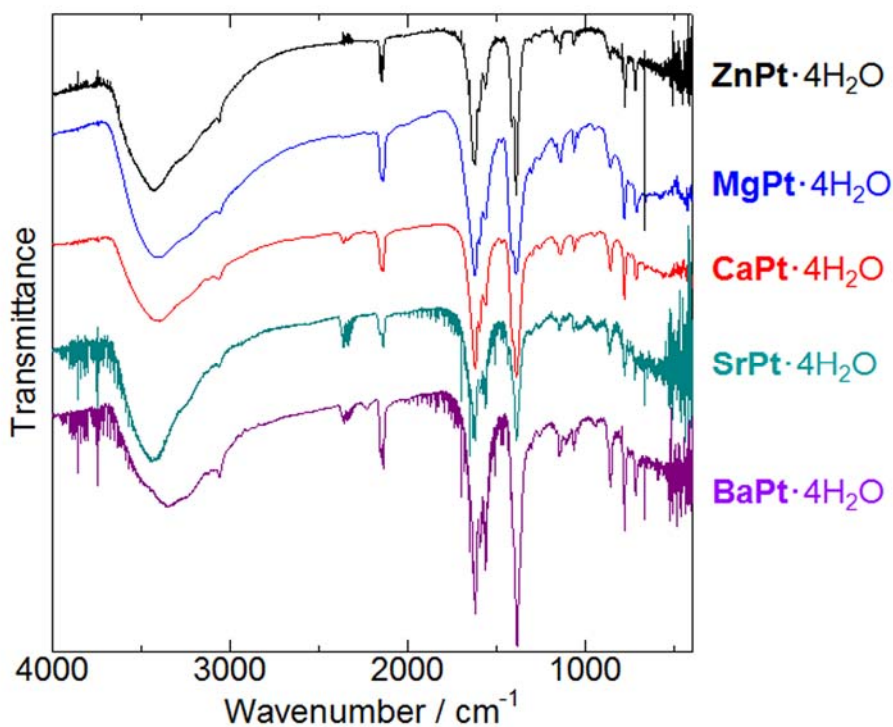


Figure S1. IR spectra of **MPt·4H₂O** at room temperature.

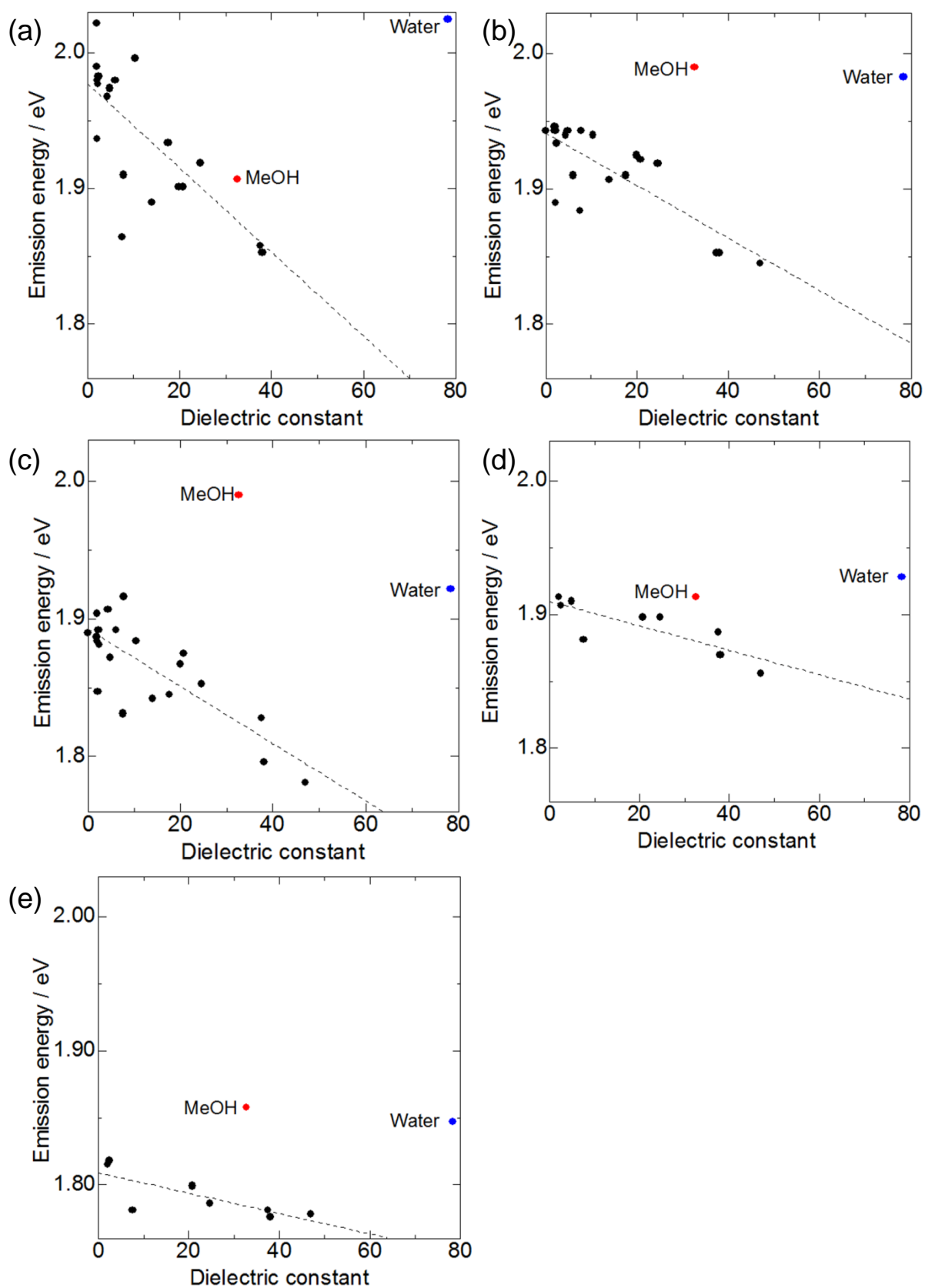


Figure S2. Plots of the emission energies of (a) **ZnPt·4H₂O**, (b) **MgPt·4H₂O**, (c) **CaPt·4H₂O**, (d) **SrPt·4H₂O**, (e) **BaPt·4H₂O** against dielectric constants of the soaking liquids. The dotted lines are drawn as a guide.

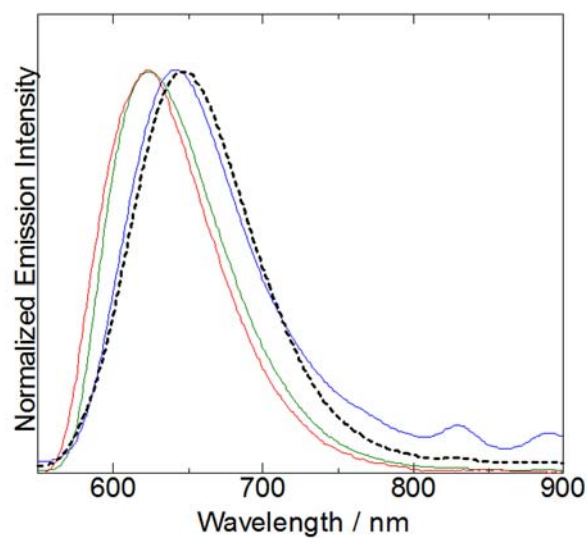


Figure S3. Emission spectra of **CaPt·4H₂O** in air (black dotted line), immersed in 100% MeOH (green line), in mixed liquid (90:10 = MeOH:water; blue line) and **CaPt·0H₂O** upon exposure to MeOH vapor at room temperature (red line).

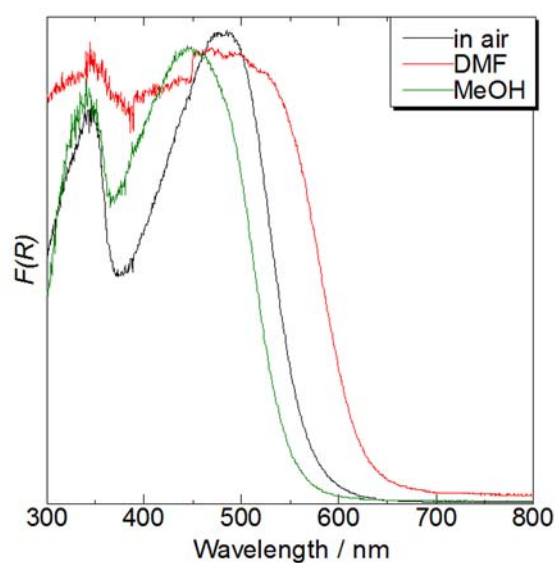


Figure S4. UV-Vis diffuse reflectance spectra of **MgPt·4H₂O**. Black, red and green lines show the spectra in air, immersed in DMF and MeOH, respectively.

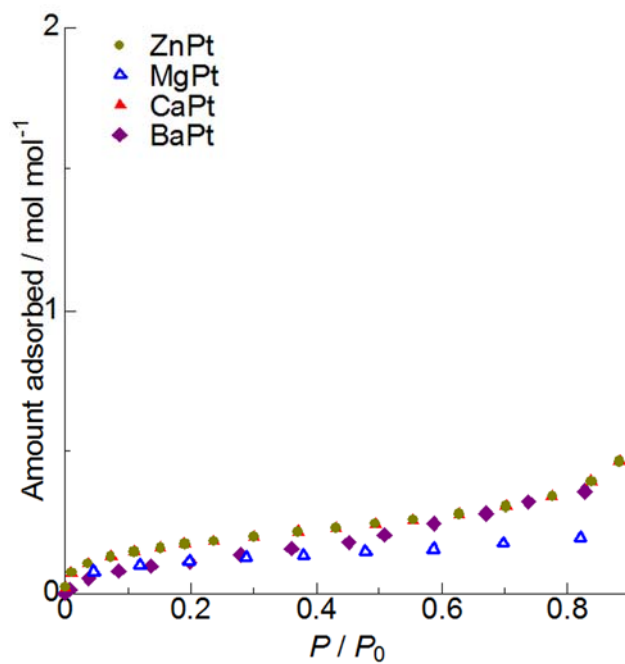


Figure S5. EtOH vapour-adsorption isotherms of **MPt**·0H₂O at 298 K.
