

The intramolecular aryl embrace: from light emission to light absorption: ESI

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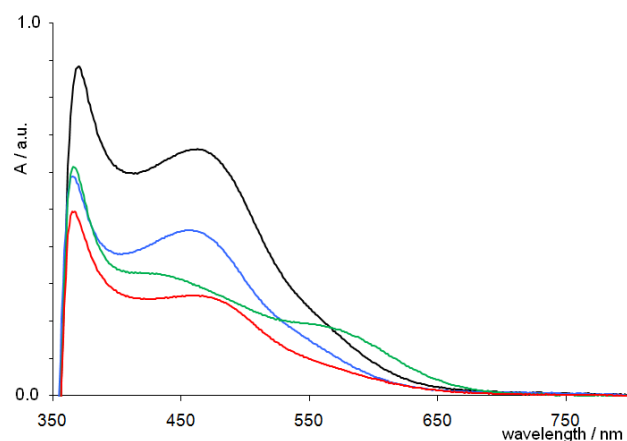


Fig. S1. Solid state diffuse reflectance electronic absorption spectra of TiO₂-anchored ligands **7** (black), **8** (green), **9** (red) and **10** (blue) after treatment with [Cu(**1**)₂][PF₆].

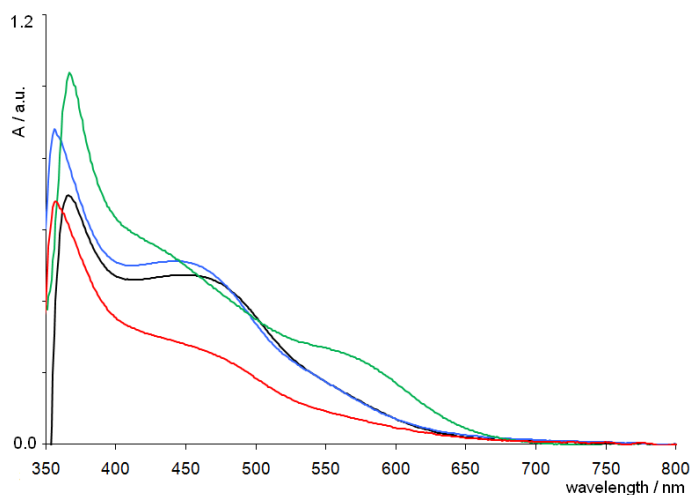


Fig. S2. Solid state diffuse reflectance electronic absorption spectra of TiO₂-anchored ligands **7** (black), **8** (green), **9** (red) and **10** (blue) after treatment with [Cu(**2**)₂][PF₆].

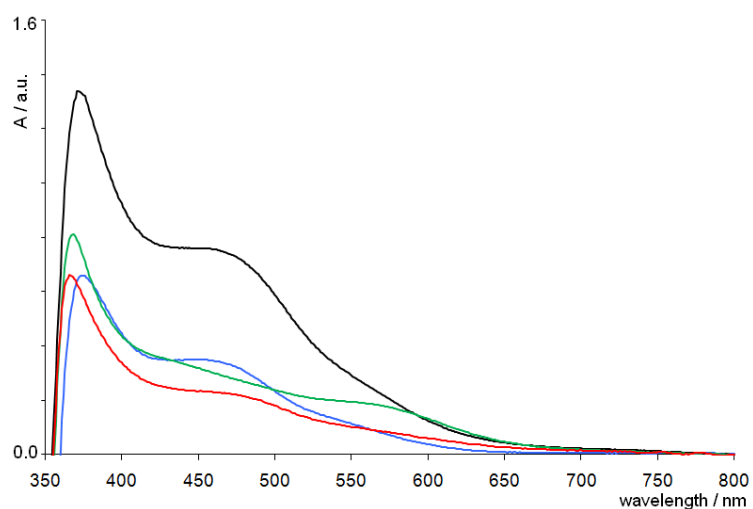


Fig. S3. Solid state diffuse reflectance electronic absorption spectra of TiO₂-anchored ligands **7** (black), **8** (green), **9** (red) and **10** (blue) after treatment with [Cu(**4**)₂][PF₆].

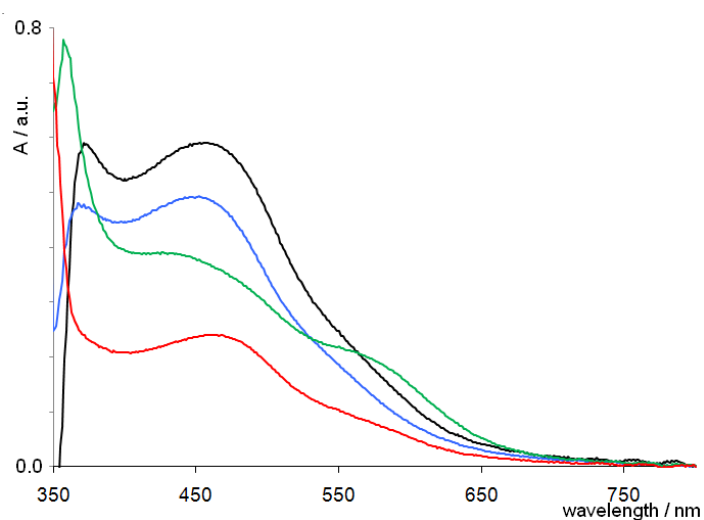


Fig. S4. Solid state diffuse reflectance electronic absorption spectra of TiO₂-anchored ligands **7** (black), **8** (green), **9** (red) and **10** (blue) after treatment with [Cu(**5**)₂][PF₆].

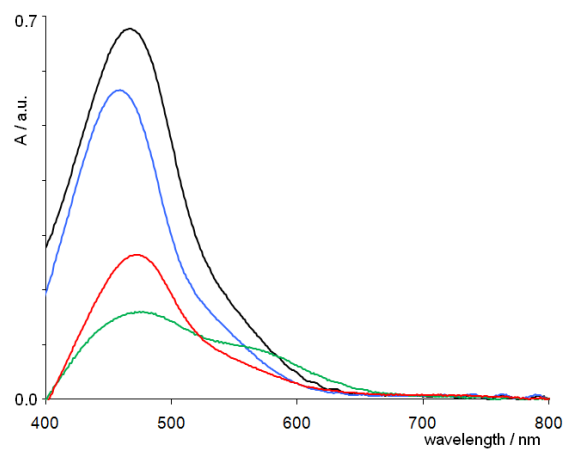


Fig. S5. Solid state diffuse reflectance electronic absorption spectra of TiO₂-anchored ligands **7** (black), **8** (green), **9** (red) and **10** (blue) after treatment with [Cu(**6**)₂][PF₆].