Synthesis, electrochemical and photophysical properties of phthalocyaninato oxotitanium(IV) complexes tetrasubstituted at the α - and β -positions with arylthio groups⁺

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Supporting information:

•	S.1.	UV/Vis spectra of (a) 5b and (b) 6b in (i) DCM (ii) CHCl ₃ (iii) THF and (iv) DMSO. Concentration = $\sim 1 \times 10^{-5} \text{ mol dm}^{-3}$.
•	S.2.	UV-visible spectral changes observed during controlled potential (OTTLE cell) reduction of (a) 5b and (b) 6a in DMF containing 0.1 M TBABF_4 . Applied potential at (i) couple I (-0.13 V).
•	S.3.	UV-visible spectral changes observed during controlled potential (OTTLE cell) reduction of (a) 5b and (b) 6a in DMF containing 0.1 M TBABF ₄ . Applied potential at couple II (-0.60 V). The first scans in S.3. (a) and (b) are the same as the last scans in S.2. (a) and (b) respectively.
•	S.4.	UV-visible spectral changes observed during controlled potential OTTLE cell) reduction of (a) 5b and (b) 6a in DMF containing

S.4.(a) and (b) are the same as the last scans in S.3. (a) and (b).

0.1 M TBABF₄. Applied potential at couple III (-1.35 V). The first scans in



wavelength (nm)

S.1 (a)



S.1 (b)



S.2. (a)



S.2. (b)



wavelength (nm)





S.3 (b)



wavelength (nm)





S.4. (b)