

Electronic Supplementary information

Multi-color electrochromism from coordination nanosheets based on terpyridine-Fe(II) complex

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Table S1. The energy dispersive spectrometer (EDS) data of the nanosheet

element	C	N	O	F	Si	Fe	In	Sn
Atomic percent	34.61%	2.37%	34.61%	5.46%	5.00%	0.46%	16.37%	1.12%

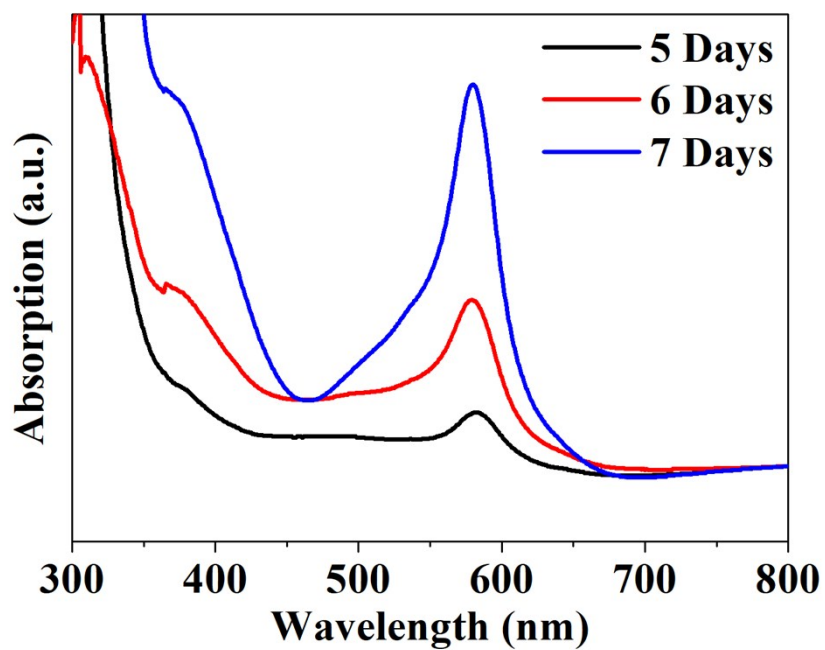


Fig. S1. UV-vis spectra of the nanosheets with different reaction time.

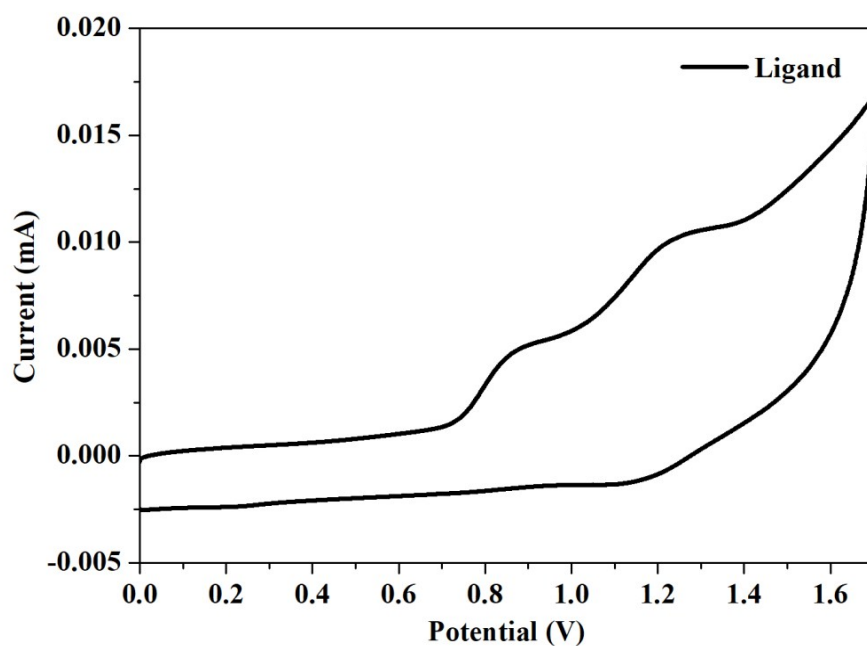


Fig. S2. The CV of the ligand performed by a three-compartment system in a solution of acetonitrile containing 0.1 M Bu_4NClO_4 .

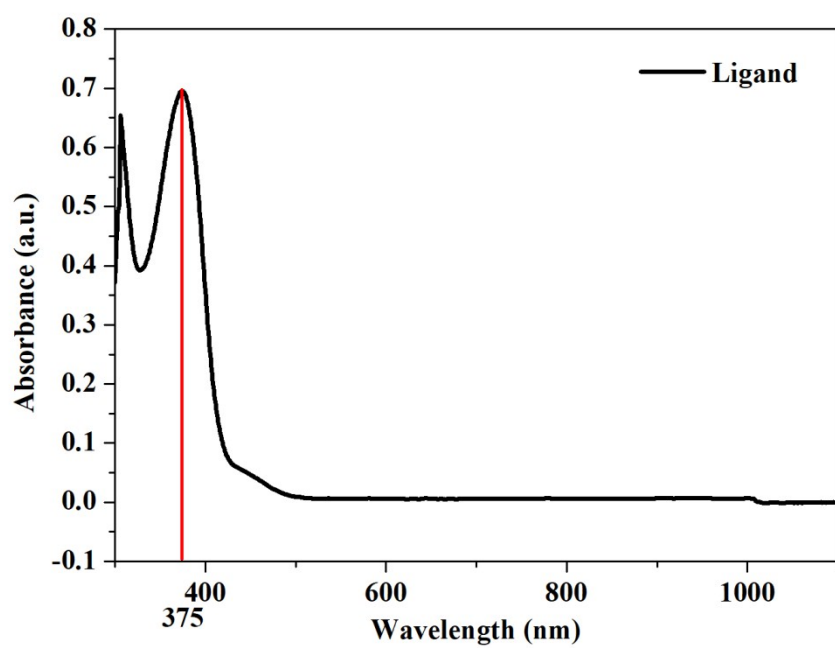


Fig. S3. UV-vis spectrum of the monomer ligand TPA-TPY dissolved in dichloromethane.

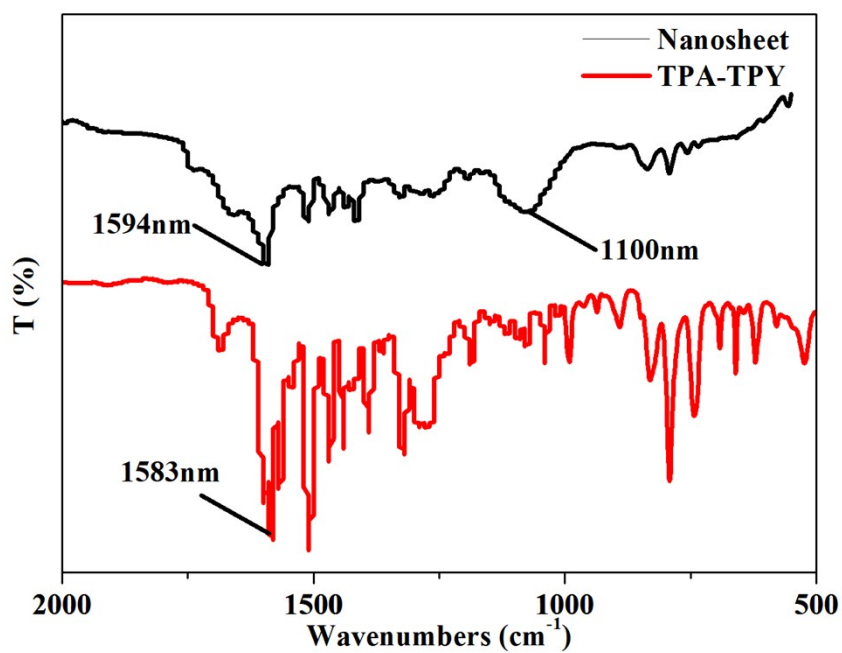


Fig. S4. IR spectral of the nanosheet and the ligand TPA-TPY.

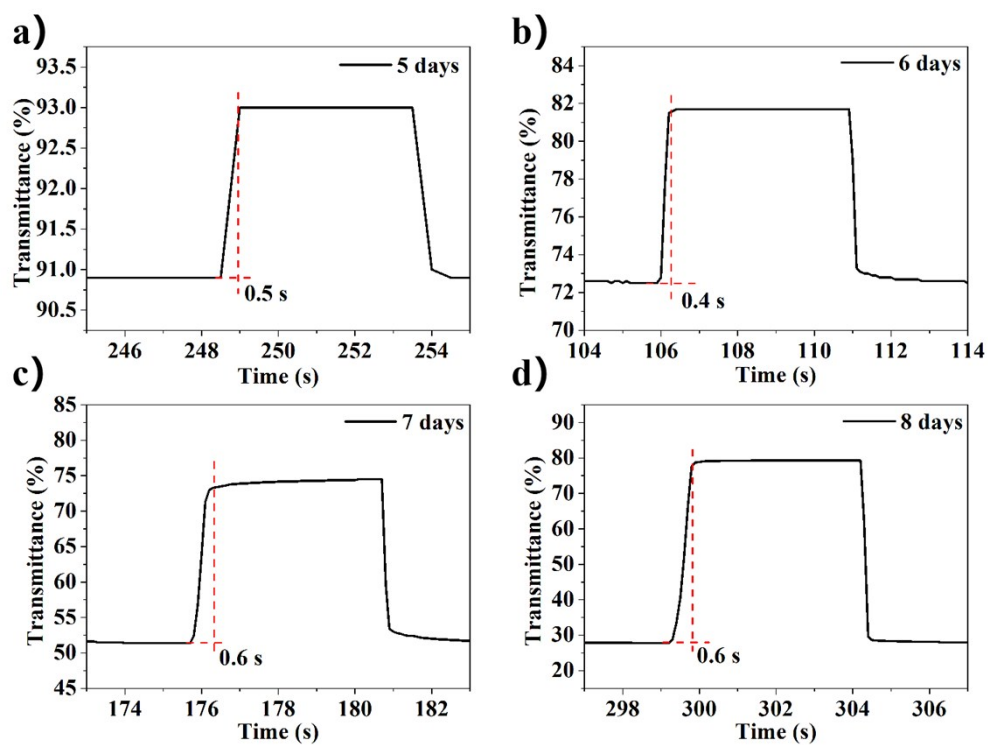


Fig. S5. Switching time of nanosheet with the reaction time for coloring of (a) 5 days, (b) 6 days, (c) 7 days and (d) 8 days.

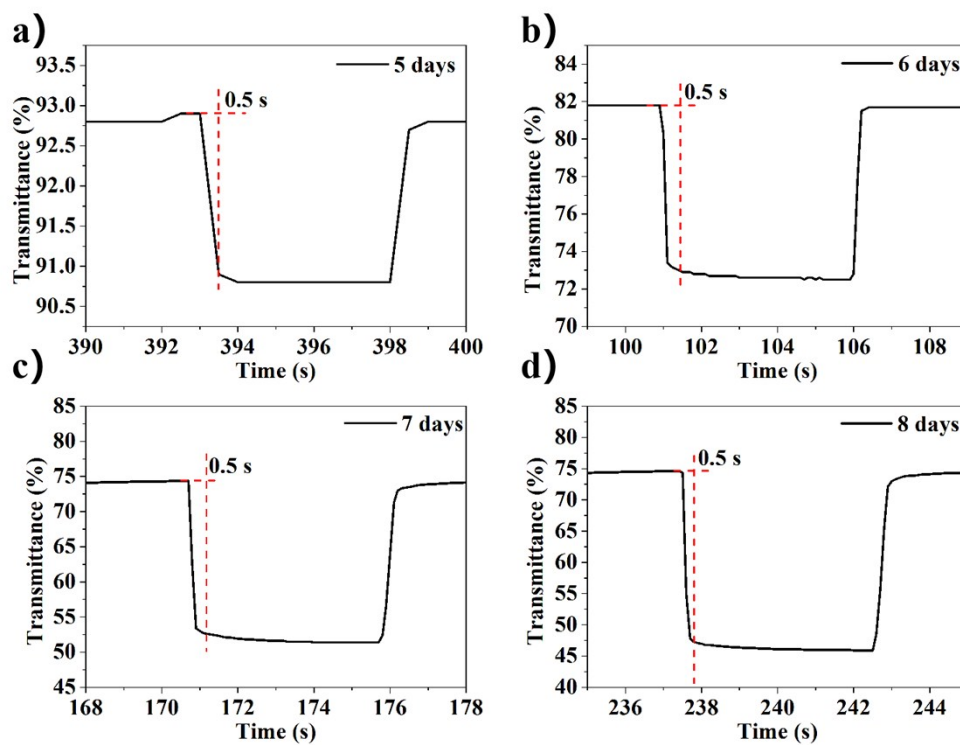


Fig. S6. Switching time of discoloring of nanosheet with the reaction time for (a) 5 days, (b) 6 days, (c) 7 days and (d) 8 days.

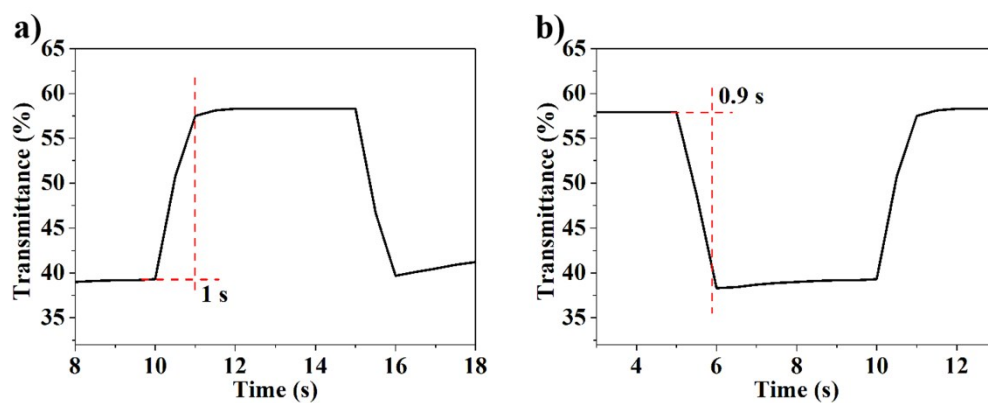


Fig. S7. Switching time of (a) coloring and (b) discoloring of the solid-state electrochromic device.

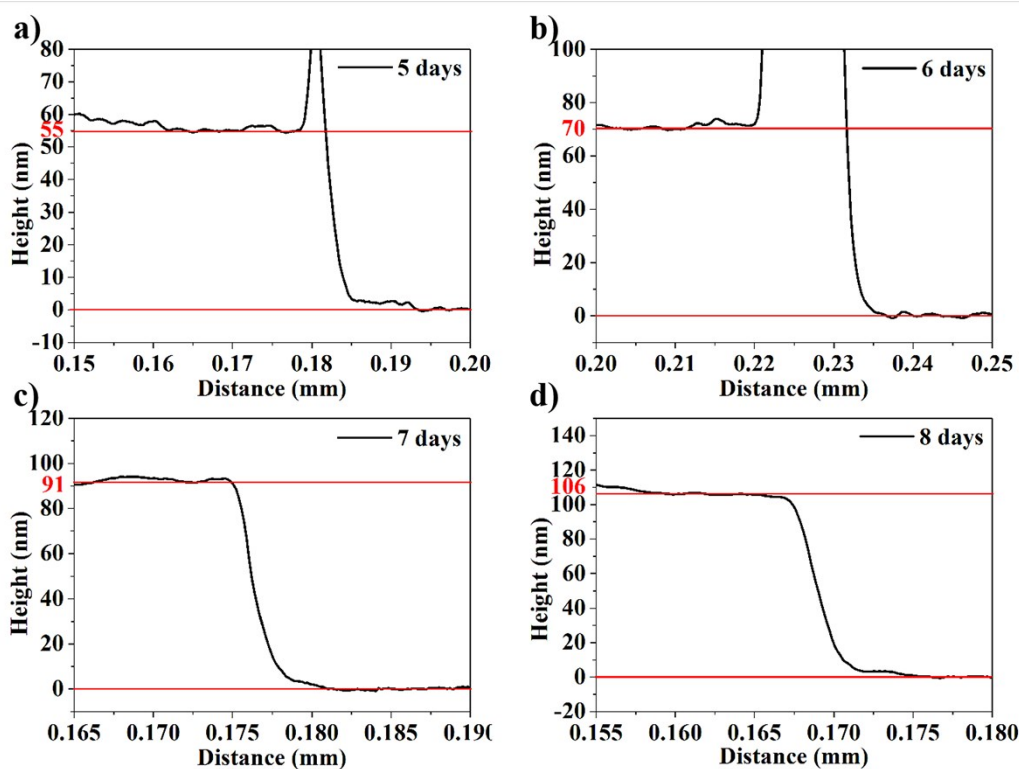


Fig. S8. Thickness of the nanosheet with the reaction time for (a) 5 days, (b) 6 days, (c) 7 days and (d) 8 days used in Fig. S5 and S6.



Fig. S9. Three electrodes system of electrochromic measurement.