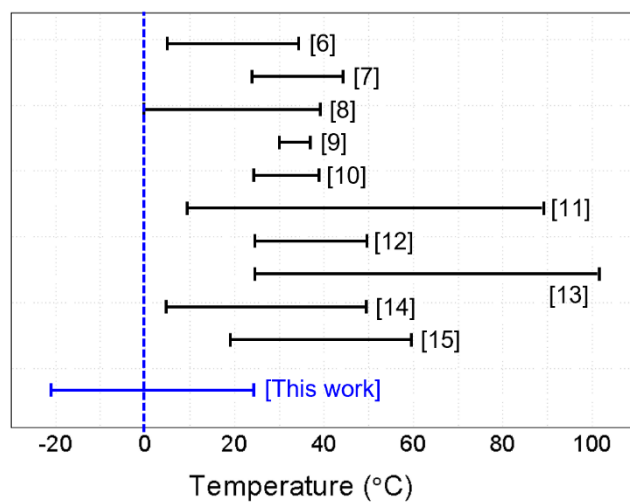
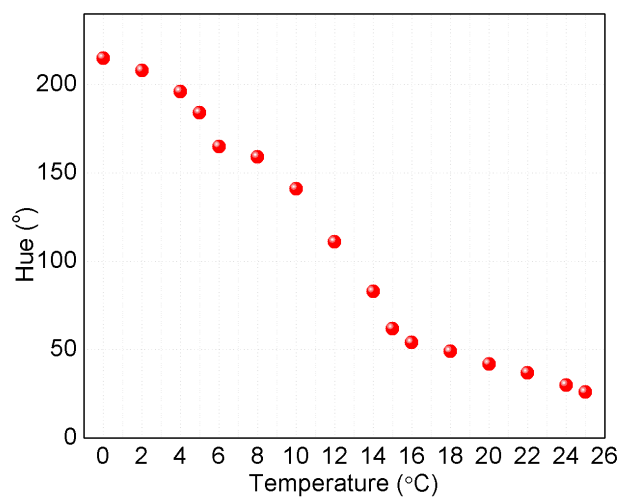


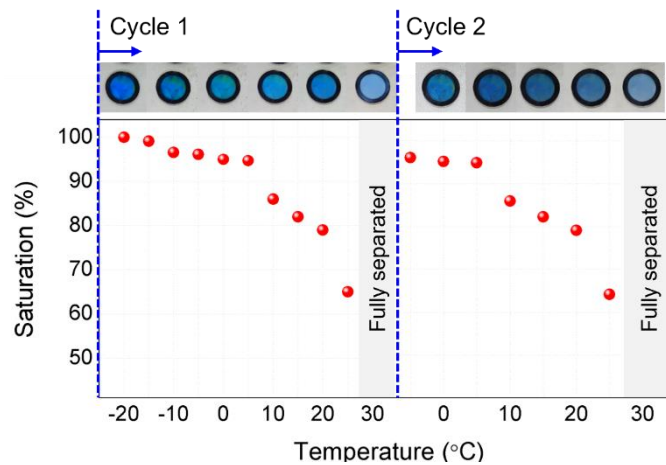
## Supplementary materials



**Figure S1.** Temperature sensing ranges of various colorimetric sensors.



**Figure S2.** Color response of the HPC colorimetric sensor as a function of temperature depicted in the HSV color space.



**Figure S3.** Repeatability test of the ethylene glycol-modulated (30 wt.%) HPC colorimetric sensor.