

Simple preparation of PVDF composite flexible film with transparent, self-cleaning and radiative cooling properties

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Experimental Supplementary results

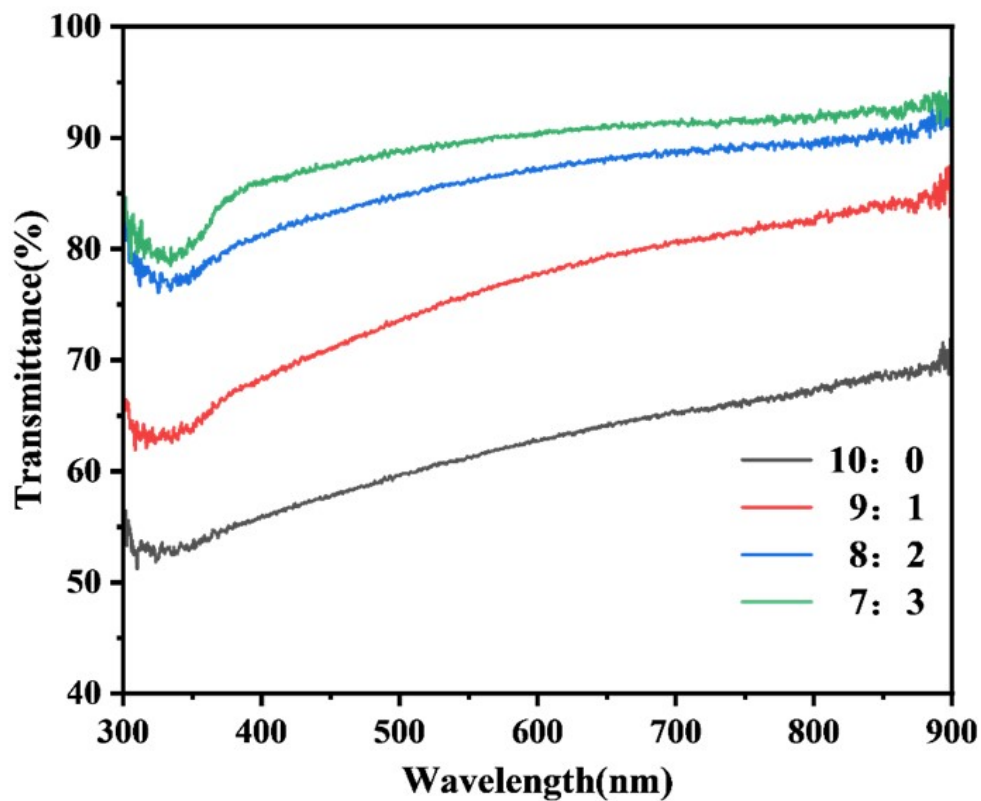


Fig.S1 Ultraviolet-visible transmittance of PVDF/PMMA films of different proportions.

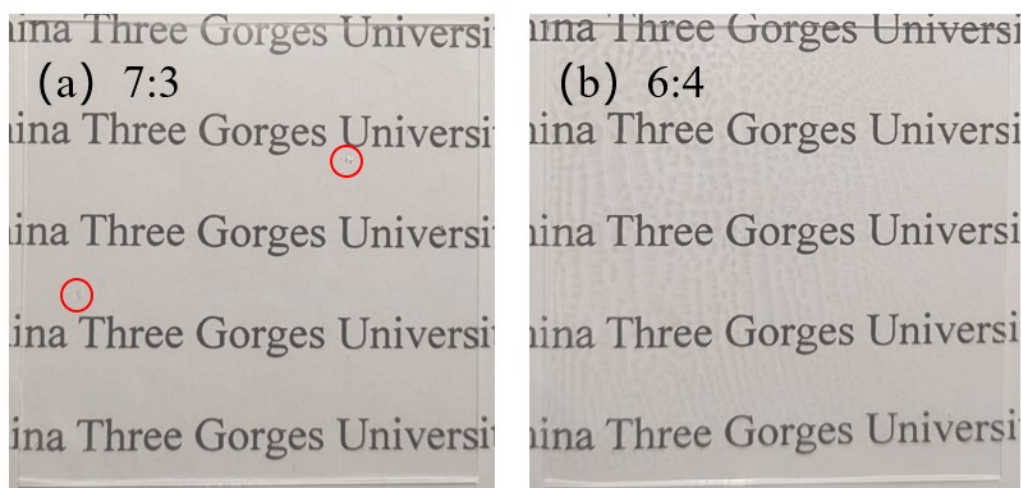


Fig.S2 Optical images of PVDF/PMMA films with different proportions.

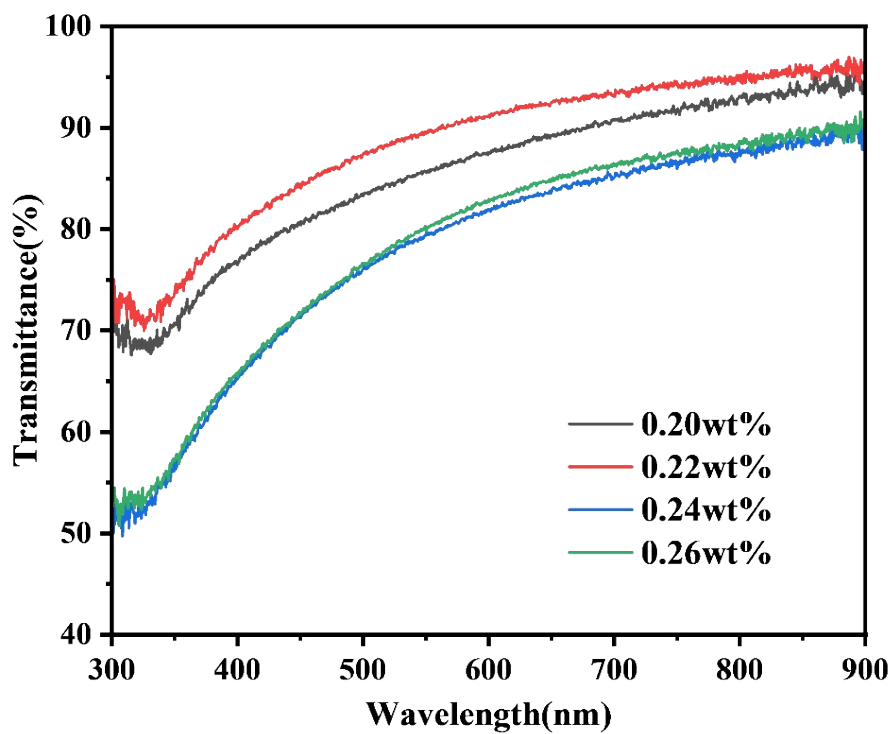


Fig.S3 Ultraviolet-visible transmittance of fluorinated films of different proportions.

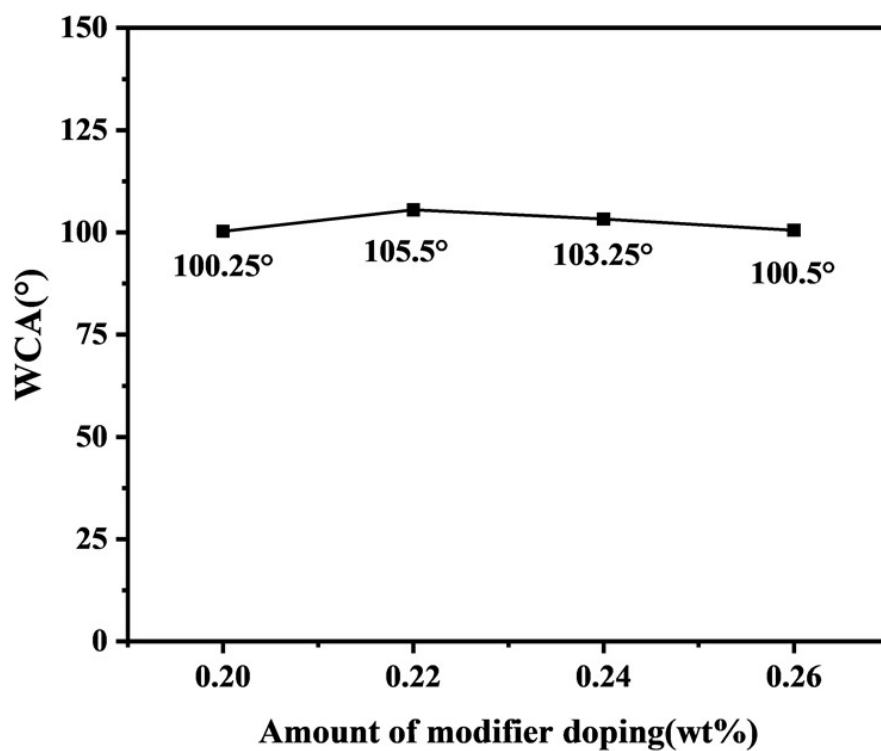


Fig.S4 Water contact angle of fluorinated films of different proportions.

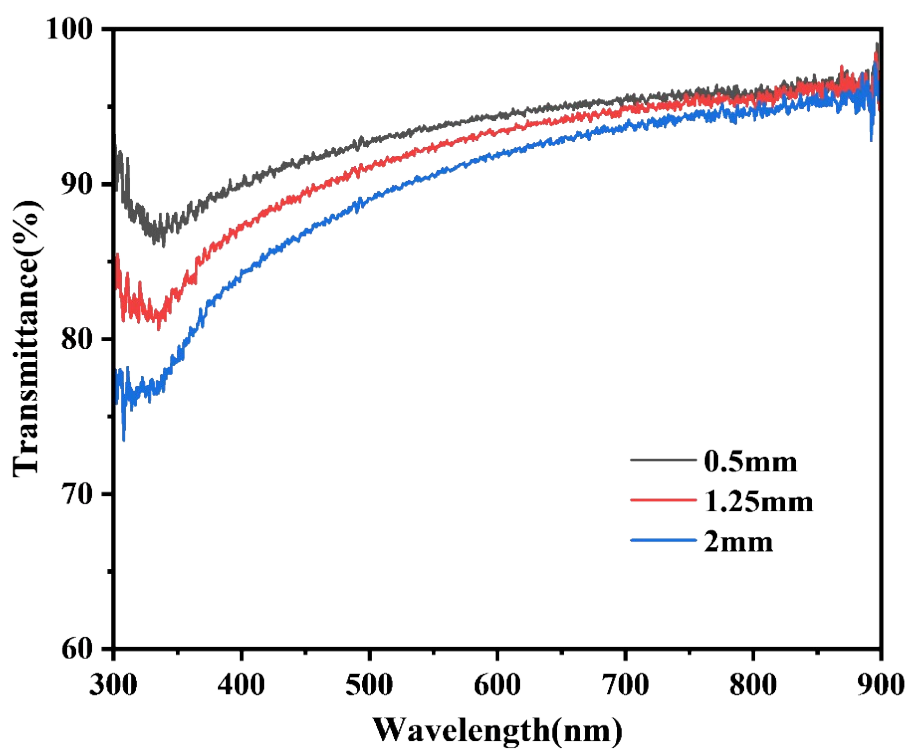


Fig.S5 Ultraviolet-visible transmittance of PPF film at different coating thicknesses.

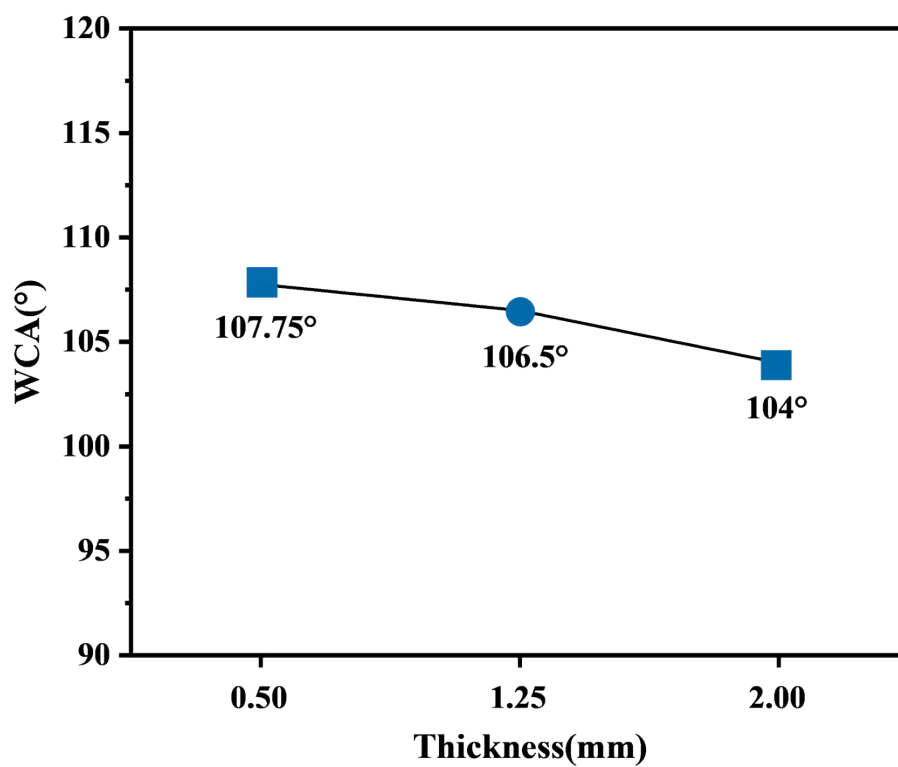


Fig.S6 Water contact angle of PPF film at different coating thickness.

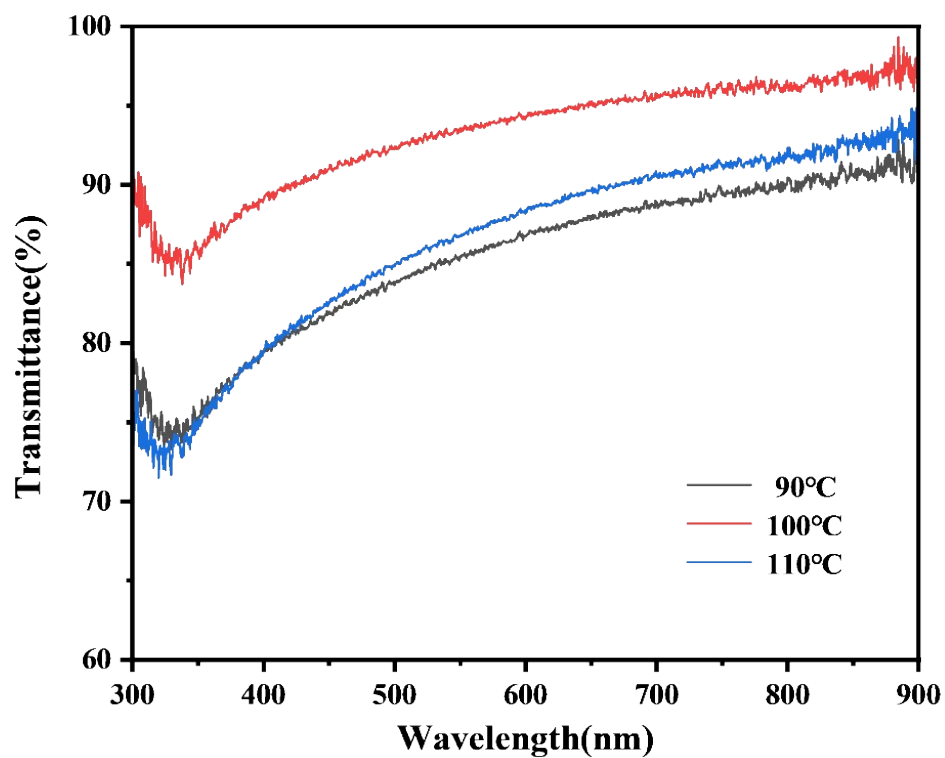


Fig.S7 Ultraviolet-visible transmittance of PPF film at different drying temperatures.

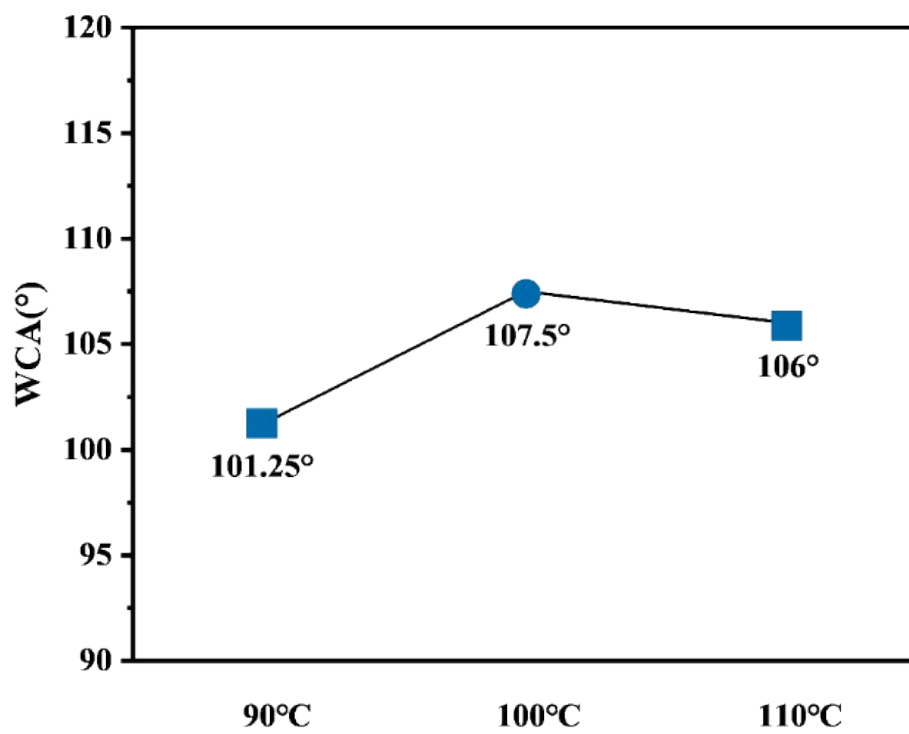


Fig.S8 Water contact angle of PPF film at different drying temperatures.

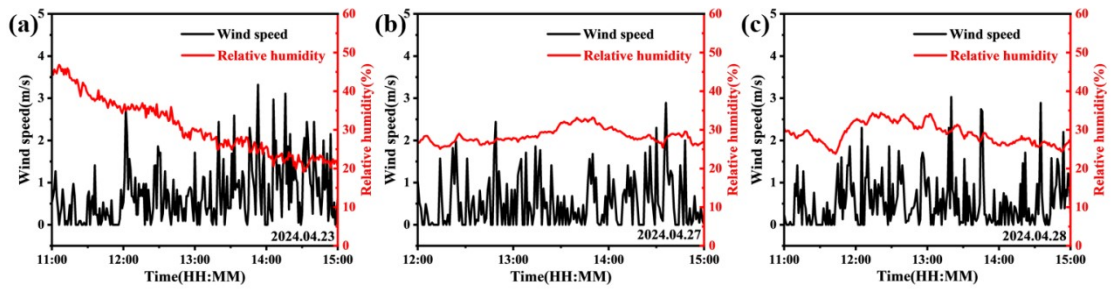


Fig.S9 Radiative cooling experiment: Wind speed and relative humidity as a function of time on different dates (a-c) of passive radiation cooling performance experiments. a: 2024.04.23; b: 2022.04.27; c: 2022.04.28.

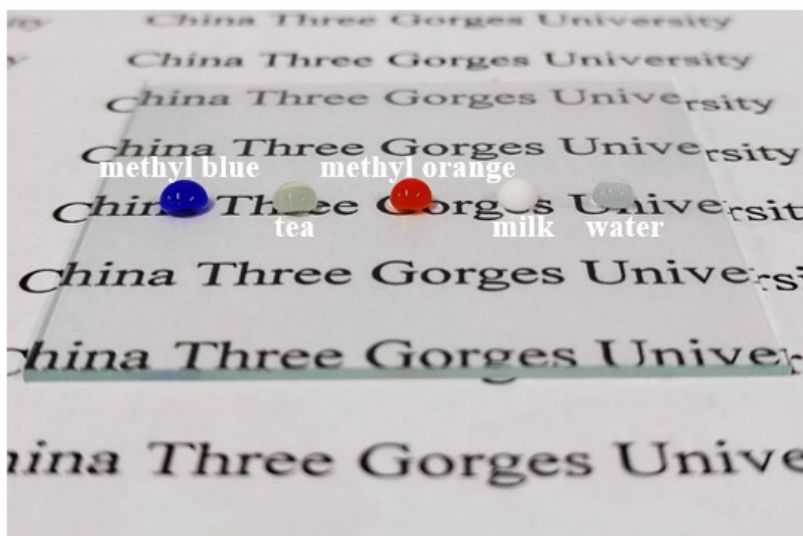


Fig.S10 Photograph of various liquids (i.e., methyl blue, tea, methyl orange, milk and water).