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Electronic Supplementary Information

Elastomer-immobilized tunable colloidal photonic crystal films with high optical qualities and high maximum strain

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Fig. S1 Reflection spectra of the colloidal crystal films with the *N*-isopropylacrylamide (NIPAM) mole fraction of (a) x = 0, (b) x = 0.20, (c) x = 0.30, (d) x = 0.35, (e) x = 0.40, (f) x = 0.60, (g) x = 0.80, and (h) x = 1.0 at each preparation step.



Fig. S2 Plots of true strains in the thickness direction vs. those in the stretching direction (•: elastomer film with x = 0.50, \Box : elastomer film without particles).