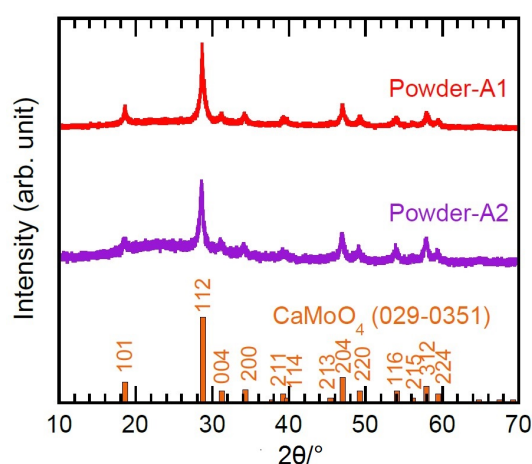


# Supplementary Materials: Fabrication of Luminescent Antireflective Coatings with $\text{CaMoO}_4:\text{Eu}^{3+}/\text{Ag}$ Composite Structure

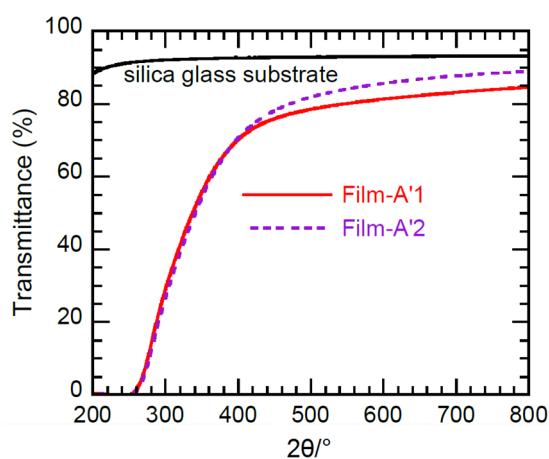
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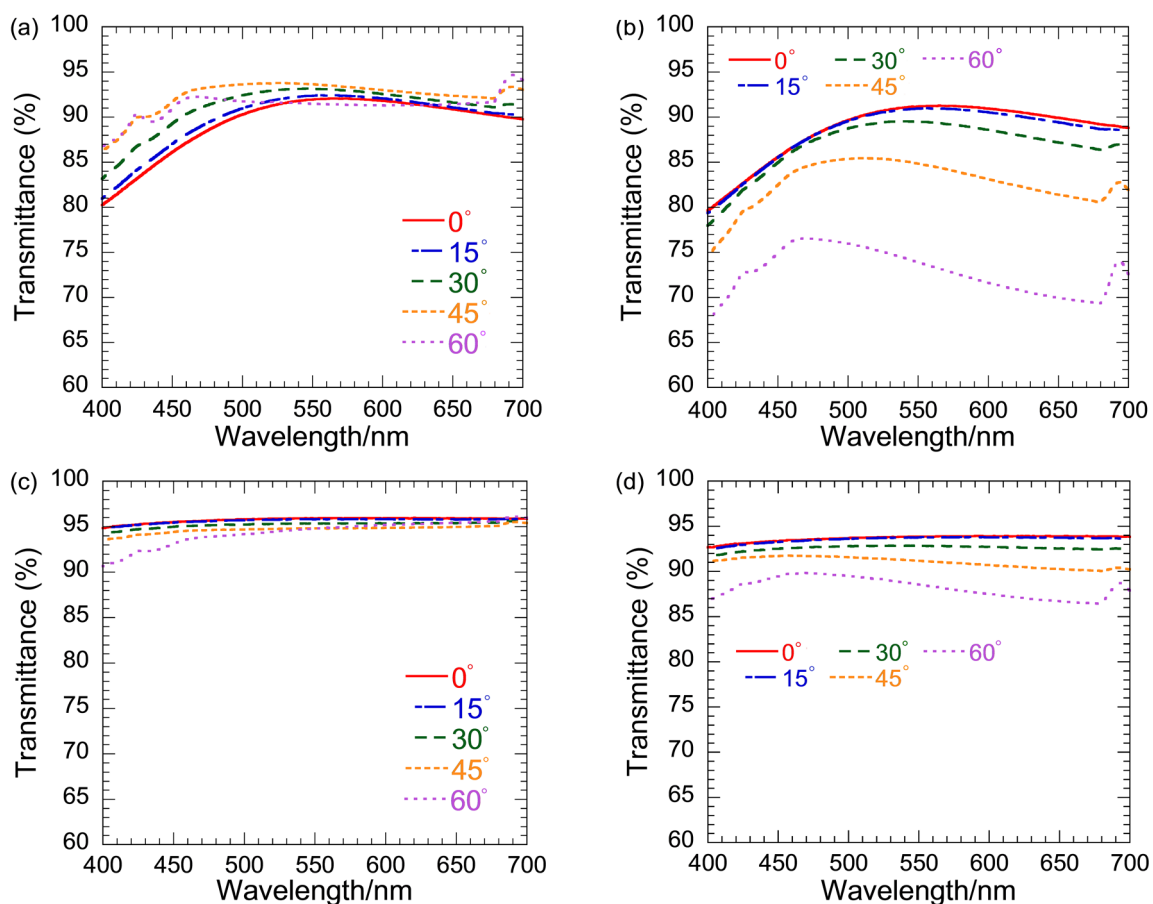
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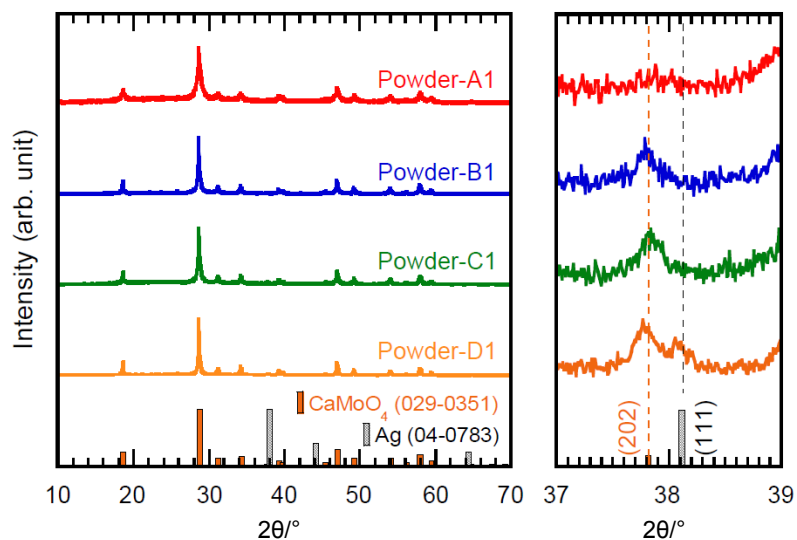
**Figure S1.** XRD patterns of Powder-A1 obtained by drying the coating solution for Film-A1 at 60 °C for 3 days and then annealing at 700 °C for 3 h in air, and Powder-A2 obtained by immersing 0.05 g of Powder-A1 in 10 mL of deionized water at 80 °C for 1 h.



**Figure S2.** Optical transmission spectra of Film-A'1 before the hot water treatment and Film-A'2 after the hot water treatment. The films were prepared from the standard coating solution, from which  $\text{Al}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$  was eliminated, similarly to Film-A1 and A2.



**Figure S3.** Incidence-angle dependence of optical transmission spectra. (a) p-polarized light of Film-A1; (b) s-polarized light of Film-A1; (c) p-polarized light of Film-A2; (d) s-polarized light of Film-A2.



**Figure S4.** XRD patterns of Powder-B1, C1, and D1 obtained by drying the respective coating solutions for Film-B1, C1, and D1 at  $60^\circ\text{C}$  for 3 days and annealing at  $700^\circ\text{C}$  for 3 h in air. The pattern of Powder-A1 is also shown for comparison.