

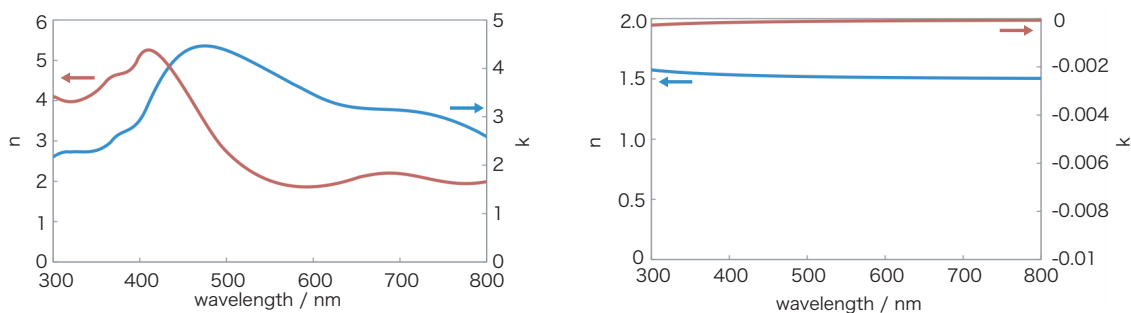
## Sputtering Time

10 s    20 s    30 s    40 s    50 s    60 s



Substrate : Quartz glass

S1. A photograph of Os sputtered glass quartz glass substrate.



S2. Real and imaginary parts of refractive indices of Os (left) and PB (right) measured by using a spectroscopic ellipsometry, respectively.