Table 1

Waveguid	a_m (cm^{-1})	a_w (cm^{-1})	r	*gth (cm* ^{1})
Ag - SP	5.60	13.52	0.3518	54.35
An - SP	5.60	14.39	0.3516	56.86
Cu - SP	5.60	13.66	0.3518	54.75
Ag-DM	0.99	15.87	0.9998	16.87
Ait - DM	0.99	18.69	0.9998	19.69
Cu - DM	0.99	16.36	0.9998	17.36

Table 1. Waveguide analysis results of Ag, Au and Cu-based surface-plasmon (SP) and double metal (DM) waveguides at a frequency of 3.1 THz and temperature of 100 K. a_m is the mirror loss, a_w is the waveguide loss, r is the confinement factor, and g_{th} is the threshold gain. The cavity length of 2000 pm, and the mirror reflectivity of 0.82 for DM waveguides, are used in the calculation.