## (Electronic Supplementary information)

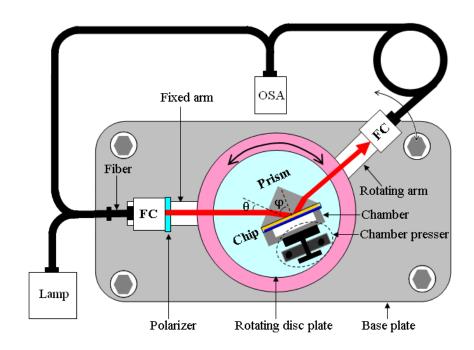
## Wavelength-interrogated surface plasmon resonance sensor with mesoporous-silica-film-enhanced sensitivity to small molecules

Zhe Zhang<sup>a</sup>, Dan-feng Lu<sup>a</sup>, Qian Liu<sup>a</sup>, Zhi-mei Qi<sup>a</sup>\*, Liangbao Yang<sup>b</sup>, Jinhuai Liu<sup>b</sup>

<sup>a</sup> State Key Laboratory of Transducer Technology, Institute of Electronics, Chinese Academy of Sciences, Beijing 100190, China.

<sup>b</sup> Institute of Intelligent Machines, Chinese Academy of Sciences, Hefei 230031, China

\* Corresponding author, Fax: 86 10 5888 7196; Tel: 86 10 5888 7196; E-mail: <u>zhimei-qi@mail.ie.ac.cn</u>



Sensor chip & chamber Collimator Prism Polarizer Collimator To CCD spectrometer

(a)

DC input

Lamp switch

Fig. S1 (a) Top-view schematic diagram of the wavelength-interrogated compact SPR sensor platform used in this work (FC: fiber collimator); (b) Photograph of the home-made device.