

## **Optimization and Application of Reflective LSPR Optical Fiber Biosensors Based on Silver Nanoparticles. *Sensors* 2015, 15, 12205-12217**

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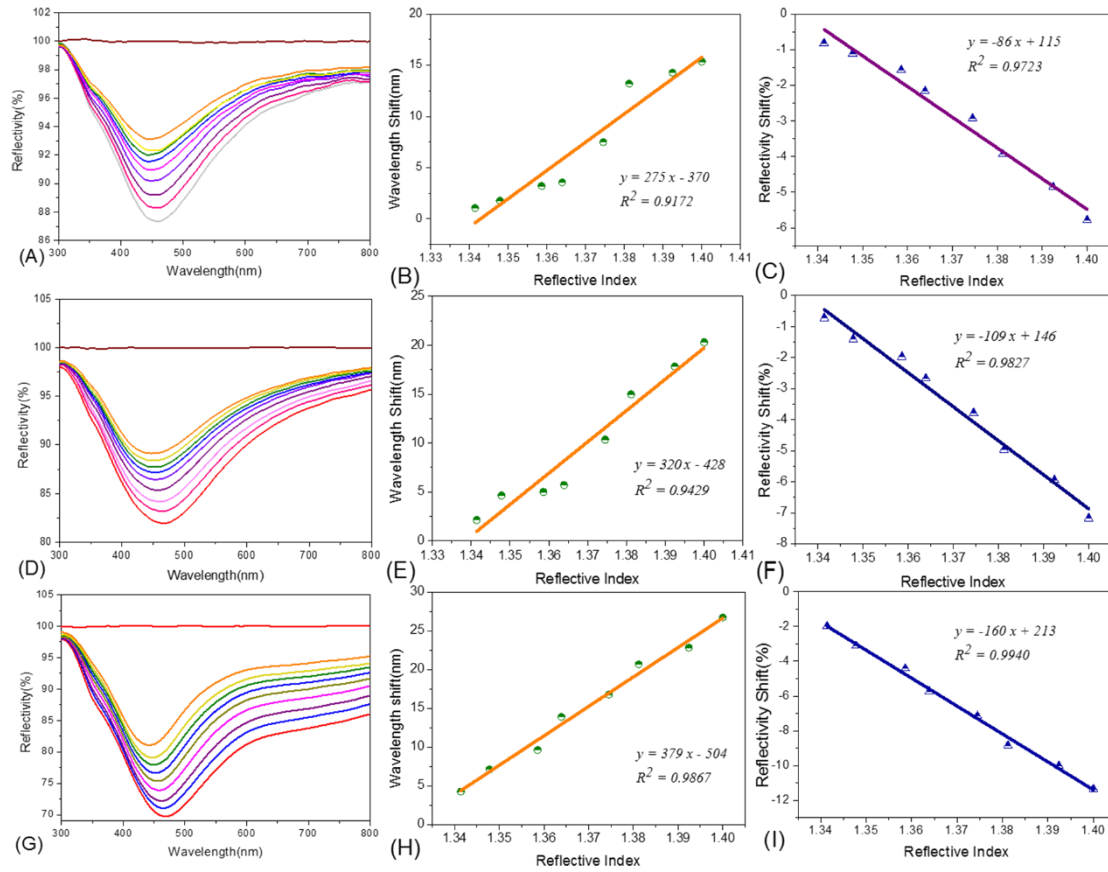
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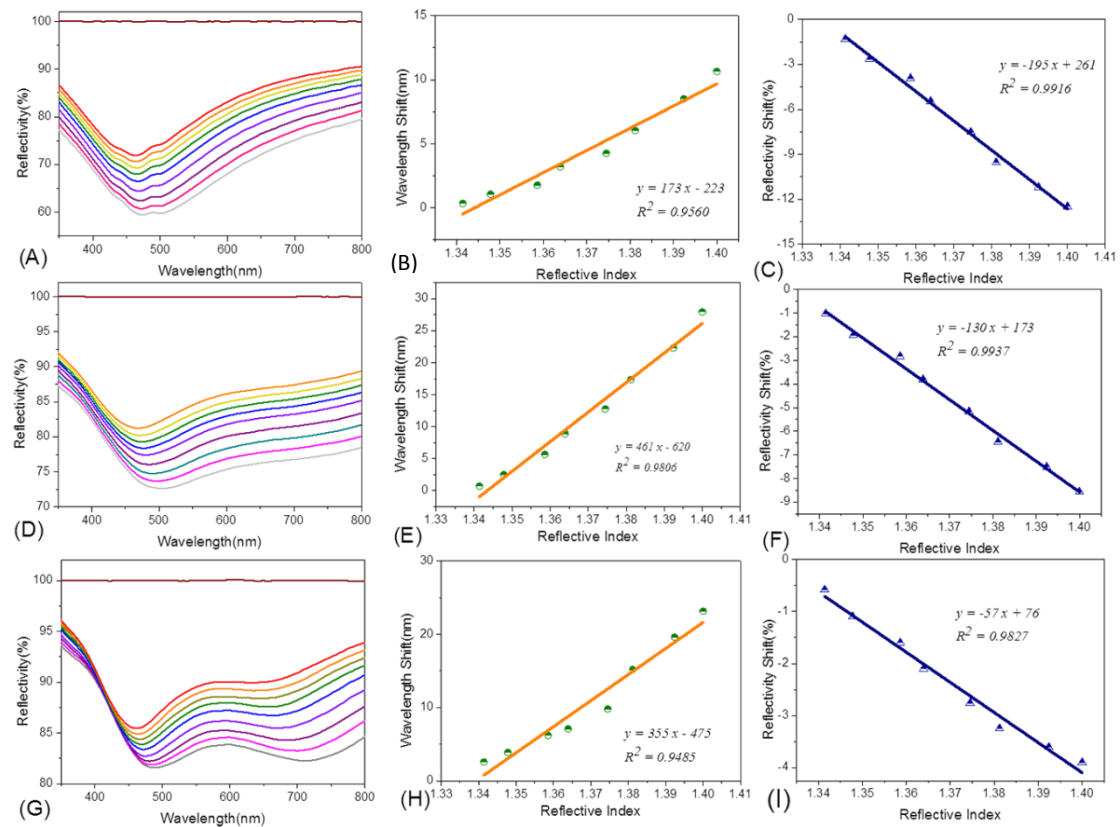
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**Figure S1.** Refractive index sensitivities of the AgNPs-based sensors with different sensing length of 0.5 cm, 1 cm, 1.5 cm. (A,D,G) illustrate the reflective spectrum of the AgNP-based sensors with different refractive index solutions; (B,E,H) illustrates the wavelength shift comparison of the AgNP-based sensors with three different sensing lengths; (C,F,I) illustrates the optical intensity shift comparison of the AgNP-based sensors with three different sensing lengths.



**Figure S2.** Refractive index sensitivities of the AgNP-based sensors with different coating time of 0.5 h, 1 h, 3 h. (A,D,G) illustrate the reflective spectrum of the AgNP-based sensors with different refractive index solutions; (B,E,H) illustrates the wavelength shift comparison of the AgNP-based sensors with three different coating time; (C,F,I) illustrates the optical intensity shift comparison of the AgNP-based sensors with three different coating time.