

Effect of prism material on design of surface plasmon resonance sensor by admittance loci method

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The authors would like to make the following adjustments to their article.

Table 4 Values of SPR angle, angular shift and sensitivity for three glass materials for different samples

sample refractive index	glass prisms								
	BK7			SF5			SF11		
	SPR angle /($^{\circ}$)	angular shift /($^{\circ}$)	*sensitivity /(($^{\circ}$) \cdot RIU $^{-1}$)	SPR angle /($^{\circ}$)	angular shift /($^{\circ}$)	*sensitivity /(($^{\circ}$) \cdot RIU $^{-1}$)	SPR angle /($^{\circ}$)	angular shift /($^{\circ}$)	*sensitivity /(($^{\circ}$) \cdot RIU $^{-1}$)
1.33	73.68	0	190.4751	61.09	0	94.4804	55.3	0	75.0195
1.34	75.4	1.72	220.2644	62.01	0.92	97.9250	56.04	0.74	76.8487
1.35	77.25	3.57	270.2222	62.96	1.87	101.7585	56.78	1.48	78.8106
1.36	79.43	5.75	383.0819	63.94	2.85	106.0595	57.57	2.27	80.9216
1.37	81.95	8.27	–	64.97	3.88	110.9314	58.37	3.07	83.2014
1.38	84.68	11	–	66.01	4.92	116.5123	59.19	3.89	85.6734

Notes: Gold film thickness is 50 nm for all samples used here; *sensitivity is calculated using Eq. (12)

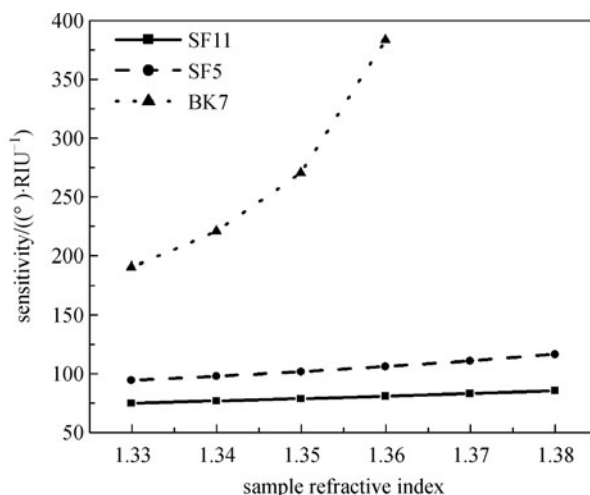


Fig. 5(e) Sensitivity vs. sample refractive index plot for three prism materials