

Research Description:

I worked on the surface plasmon resonance (SPR) project under the guidance of Prof. Nuzzo and Prof. Rogers. Based on the novel low-cost quasi-3D SPR sensor developed by our group, we want to enhance the sensitivity of SPR sensor in visible range to develop a new-generation optical detector. My current researches also involve studying how the thickness of gold layer, gold deposit conditions, etc. effect the sensitivity of quasi-3D SPR crystal.