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The present paper reports on the first preparation of 2,4,6-tris(2-pyridyl)-1,3,5-triazine nanobelts (TPTNBs) by adjusting the pH value of the solution and the subsequent synthesis of Ag nanoparticle (AgNP)-decorated TPTNBs (AgNP-TPTNBs) by mixing an aqueous AgNO ₃ solution with preformed TPTNBs without use of any external reducing agent. It is found that the resultant AgNP-TPTNBs exhibit notable catalytic performance for H_2O_2 reduction. A glucose biosensor wa fabricated by immobilizing glucose oxidase (GOD) onto a AgNP-TPTNBs-modified glassy carbon electrode (GCE) for glucose detection. The constructed glucose sensor has a wide linear response range from 3 mM to 20 mM (r. 0.999) with a detection limit of 190 µM. It is further show	 Yonglan Luo Guohui Chang Abdullah M. Asiri Abdulrahman O. Al-Youbi
that this glucose biosensor can be used for glucose detection in human blood serum.	 Xuping Sun Submit Query
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