

## عنوان مقاله:

Sulfonated Polypyrrole/Au Nanocomposite Conductivity, Studied by Four-Point Probe

## محل انتشار:

ششمین کنفرانس بین المللی شیمی و مهندسی شیمی (سال: 1398)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Polypyrrole (PPy) and its Au nanocomposite synthesised by in situ polymerization, Au nano particles synthesised and studied by TEM, produced nanoparticles used to improve conductivity of PPy. Formation of PPy improved by FTIR, UV-Vis test was applied to samples and  $\pi$ - $\pi^*$  transition was studied. Ppy was sulfonated for future work and method was described and size of particles in solution was presented by DLS. TEM was applied to show size of Au nano particles, FESEM was performed to investigatedispersion and distribution of nanoparticles in samples. 4Point Probe .test shown that Rs as resistance parameter decreased, conductivity improved

## کلمات کلیدی:

Polypyrrole, Conductivity, Synthesis, Polymerization

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1005758>

