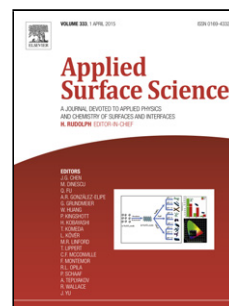


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Title: Electrocatalytical study of carbon supported Pt, Ru and bimetallic Pt-Ru nanoparticles for oxygen reduction reaction in alkaline media

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- Highlights
- Binary catalyst Pt.Ru/C is evaluated towards ORR.
- Pt.Ru/C nanoparticles revealed best ORR catalytical activity.
- The 120 mV/dec Tafel slop indicated that the first electron transfer is the rds.
- The active number sites of Pt.Ru/C catalyst were 3 times higher than Pt/C.

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