

## Supplementary information

### Tunable platinum-ruthenium nanoparticle properties using microwave synthesis

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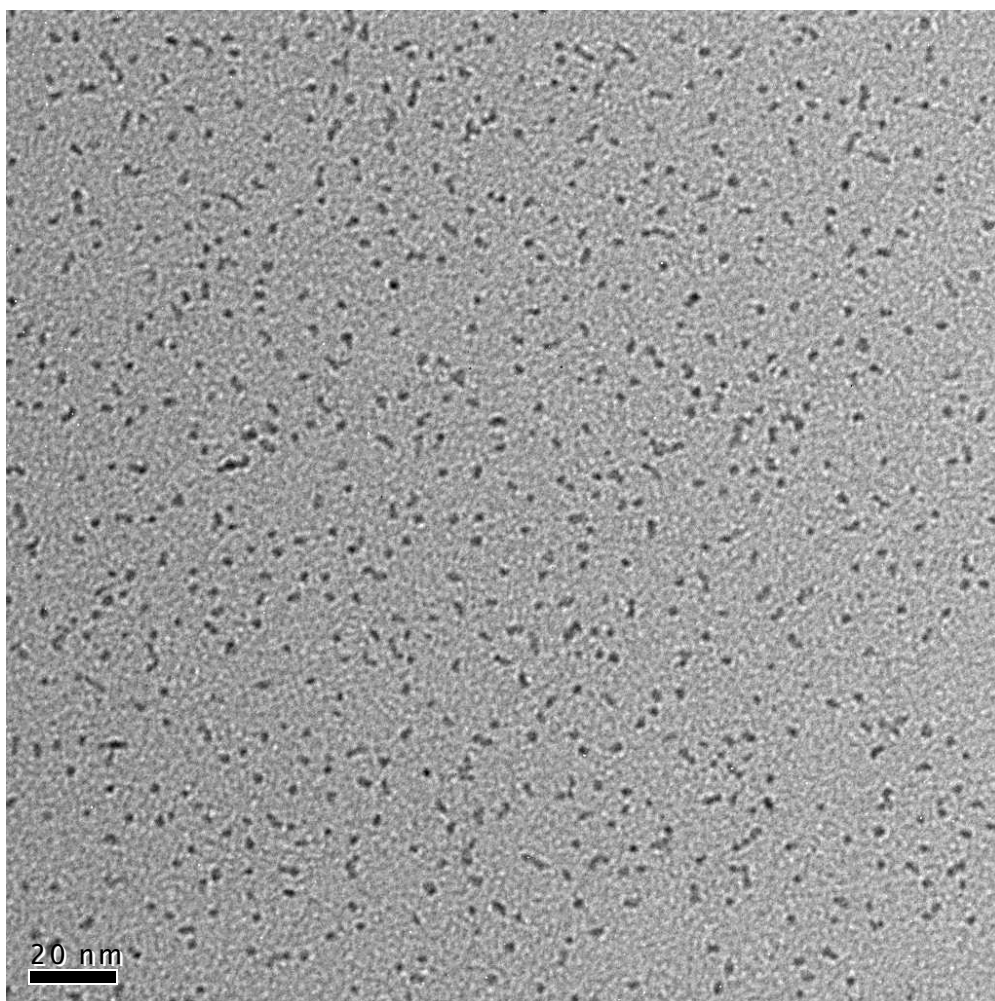
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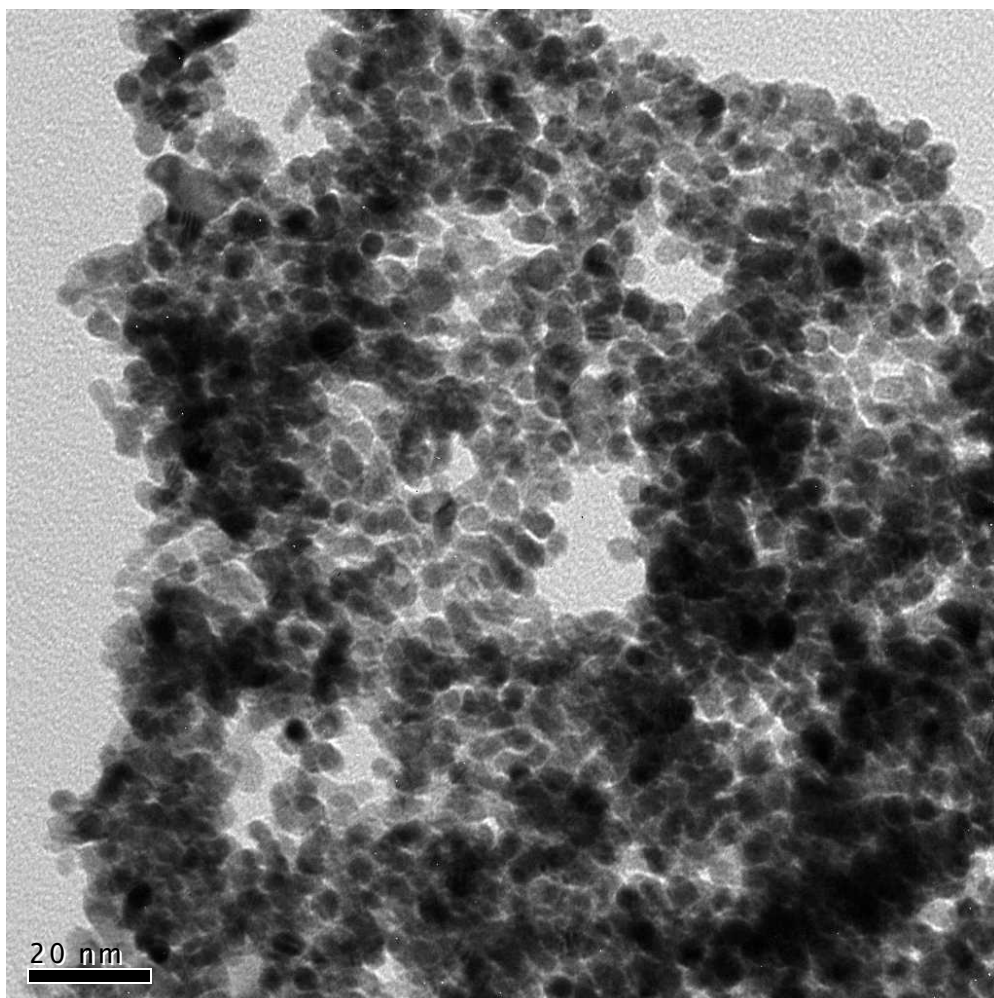
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**Fig. 1** TEM image of Ru nanocrystals coated with PVP.



**Fig. 2.** TEM of 50%Pt-50%Ru nanocrystals stabilized in absence of PVP.



**Fig. 3** EDXA of 50%Pt-50%Ru nanocrystals prepared in absence of PVP.

