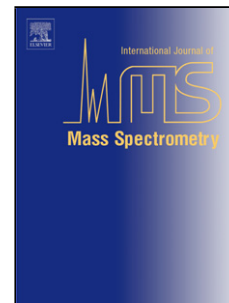


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Precise and Accurate Re–Os Isotope Dating of Organic-rich Sedimentary Rocks by Thermal Ionization Mass Spectrometry with an Improved H₂O₂–HNO₃ Digestion Procedure

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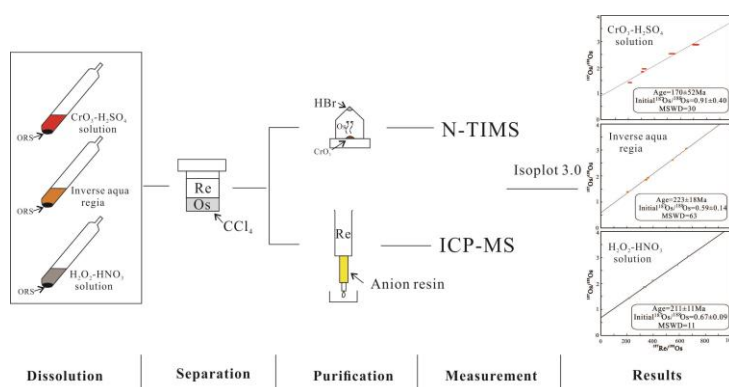
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Graphical Abstract



Highlights:

- Assessing an alternate digestion medium, Hydrogen peroxide (H₂O₂) in a nitric acid medium (H₂O₂–HNO₃), for Re–Os isotope analysis in organic-rich sedimentary rocks.
- This medium can electively liberate hydrogenous Re and Os components from non-hydrogenous detrital Re and Os components.
- This method can increase the precision and accuracy of Re–Os depositional ages of organic-rich sedimentary systems

ABSTRACT

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