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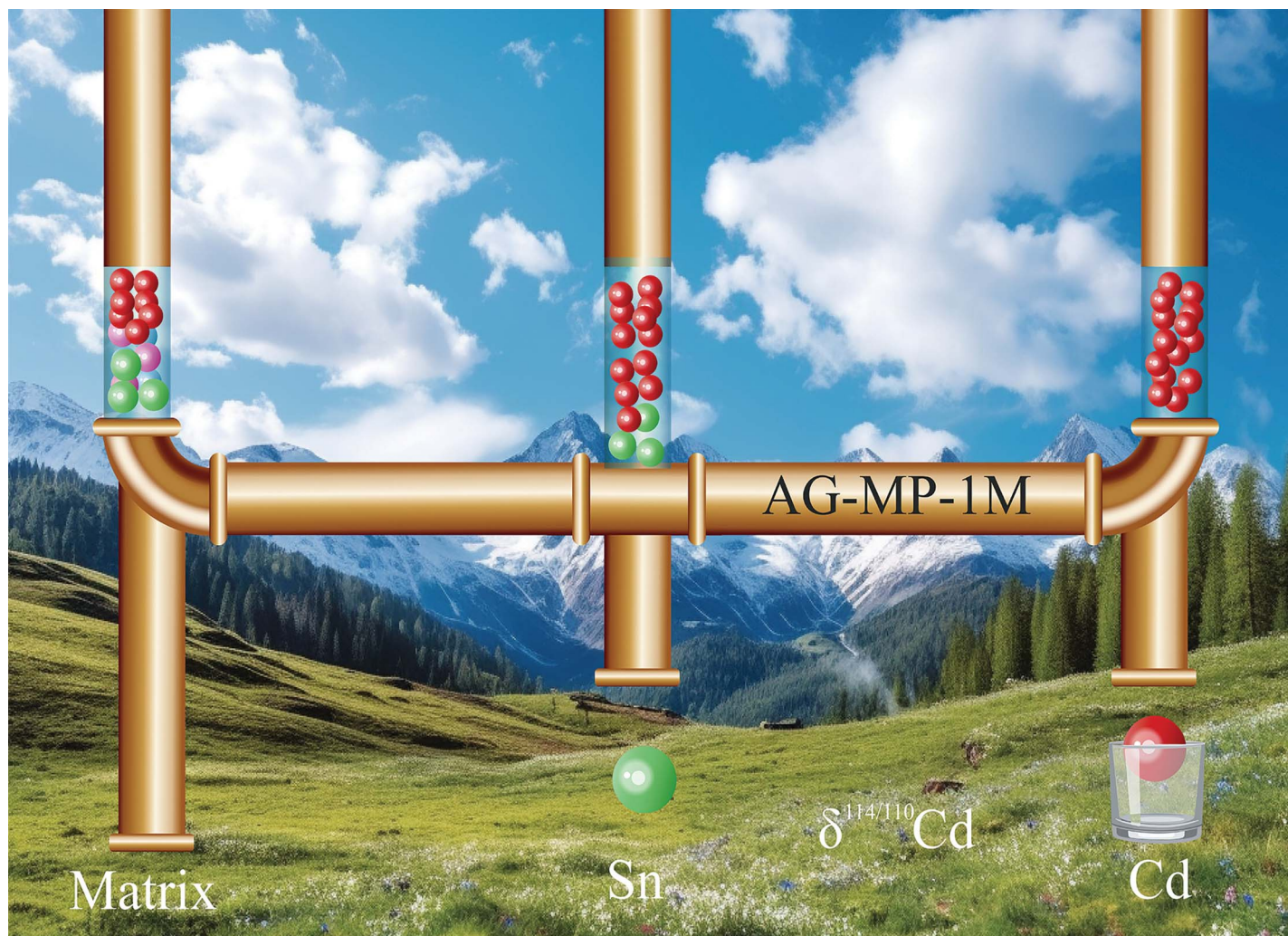


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Showcasing research from Professor Jie Li's laboratory, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou, 510640, China.

A single-stage anion exchange separation method for Cd isotopic analysis in geological and environmental samples by MC-ICP-MS

This paper demonstrates a single-stage purification procedure for Cd with AG-MP-1M anion exchange resin and measurements of Cd isotopes by MC-ICP-MS. The method takes advantage of the different affinity of Sn and Cd on AG-MP-1M resin in different concentrations of HCl and HF in mixed HCl-HF solutions. The interference of Sn can be removed from the resin using 2 M HCl-4 M HF solution, and Cd fraction is eluted by 0.005 M HCl-2 M HF solution while potential residual Sn can be retained on the resin.

As featured in:



See Jie Li *et al.*,  
*J. Anal. At. Spectrom.*, 2023, **38**, 2291.