

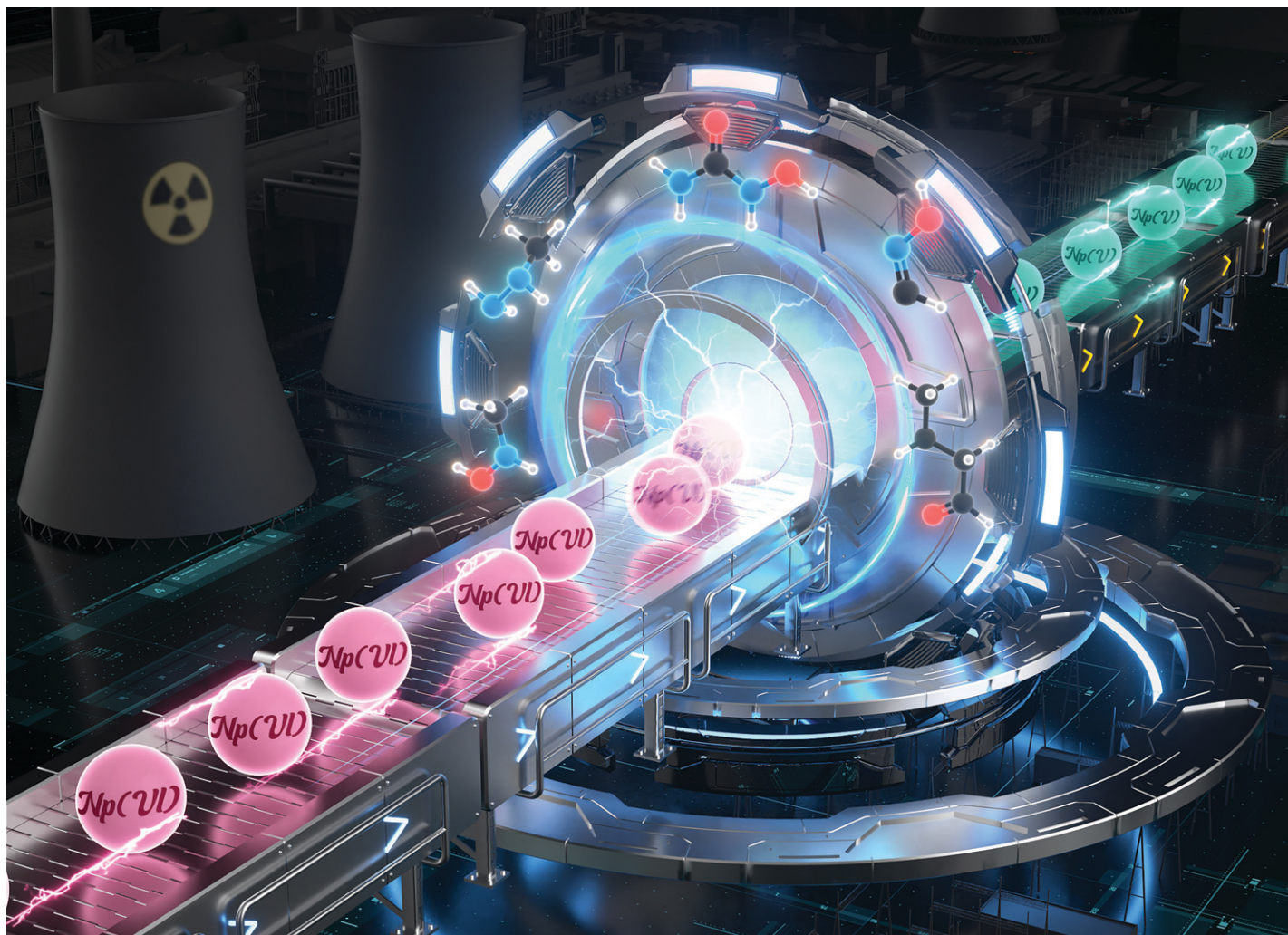
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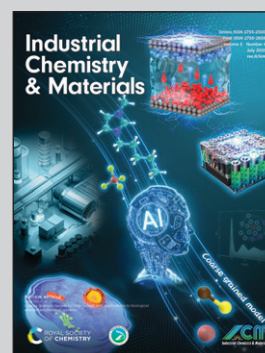
Showcasing research from Wei-Qun Shi's laboratory,
Institute of High Energy Physics, Chinese Academy of
Sciences, Beijing, China.

Experimental and theoretical progress on the reduction of
 Np(VI) with salt-free reagents in the PUREX process

This review summarizes the reduction reaction of Np(VI)
to Np(V) by hydrazine, hydroxylamine, aldehydes, oximes,
hydroxamic acids and their derivatives as well as the reaction
kinetics, reaction mechanism and electronic structures.

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Ind. Chem. Mater., 2025, **3**, 412.

As featured in:



See Qun-Yan Wu, Wei-Qun Shi *et al.*,
Ind. Chem. Mater., 2025, **3**, 412.