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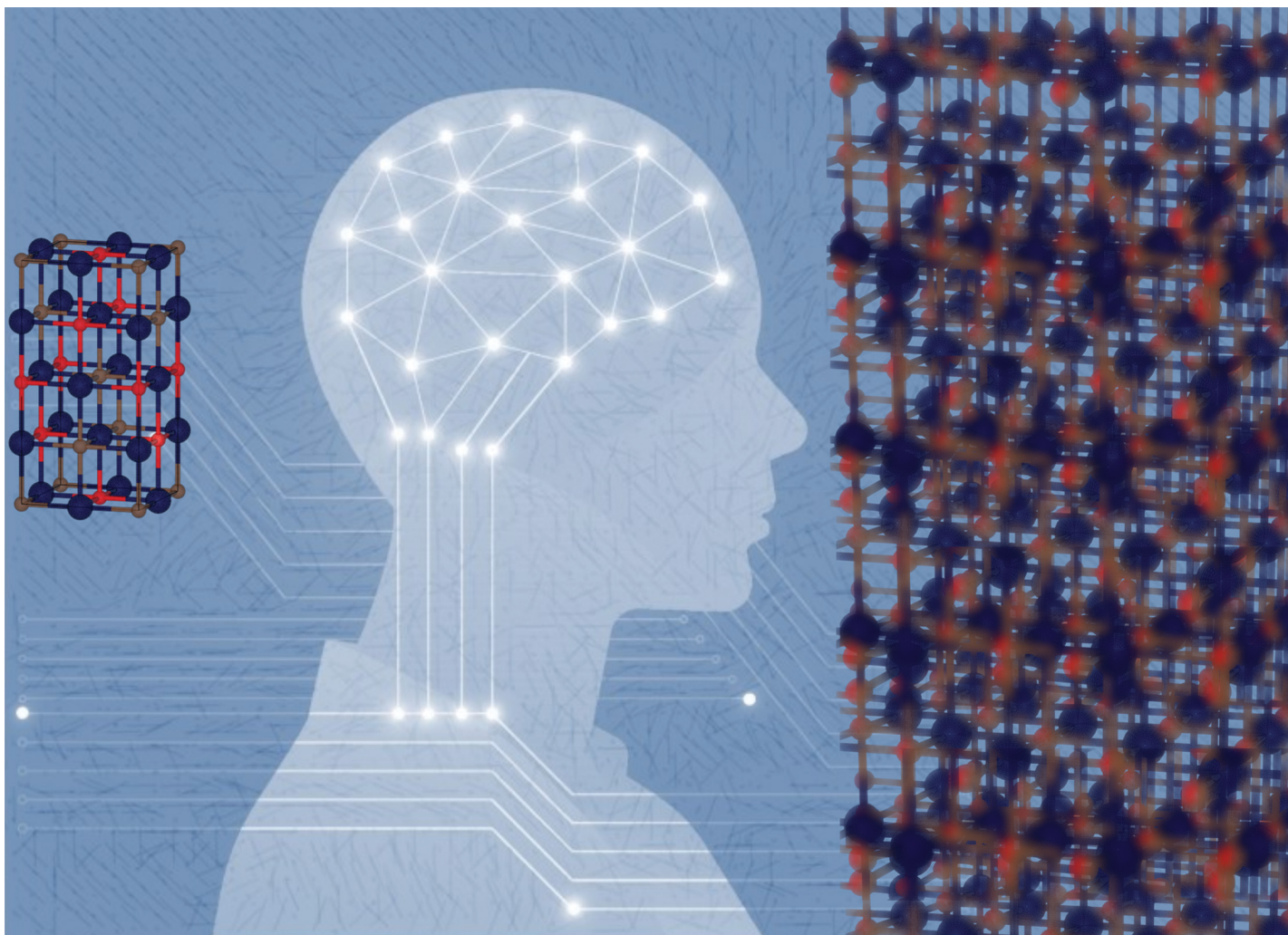
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Showcasing research from the Group of Dr Ruizhi Qiu at Science and Technology on Surface Physics and Chemistry Laboratory, Mianyang, China.

Exploring thermodynamic stability of plutonium oxycarbide using a machine-learning scheme

Plutonium oxycarbide is pivotal in both the fabrication of the carbide fuel and the corrosion of plutonium. To unravel the intricate interplay between its atomic structure and physical properties, a machine learning model boasting high prediction accuracy has been developed. Ordered atomic structures have now been identified.

As featured in:



See Ruizhi Qiu, Qi Wang *et al.*,
Phys. Chem. Chem. Phys.,
2024, **26**, 14122.