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Title: First row transition metal atoms embedded in multivacancies in a rippled graphene system

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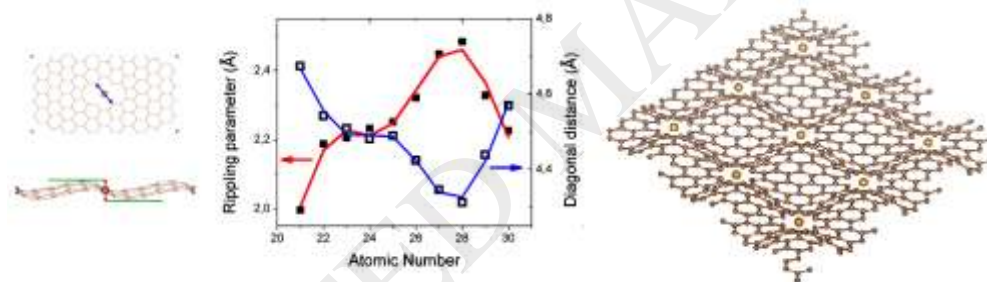
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Graphical abstract



Highlights

- . DFT study of a transition metal atom embedded in an 8-order multivacant graphene.
- . Rippling of such systems is the same as the one observed for the metal-less system.
- . A correlation between the distortion in the ab plane and the rippling has been found.
- . Systems with metal atoms have lower magnetic moments than the metal-less system.
- . Quenching of the magnetic moment is observed for Sc and Cu.

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