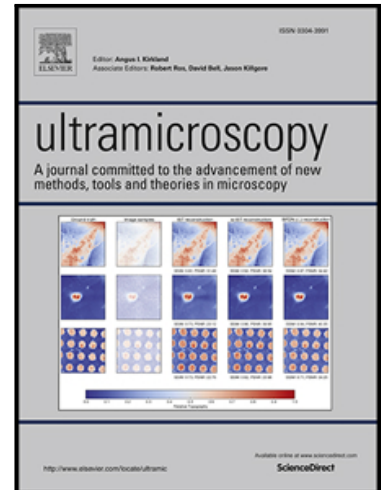


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Imaging the potential distribution of individual charged impurities on graphene by low-energy electron holography

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Highlights

- Low-energy electron (30 eV) holograms of individual localized charged impurities present on free-standing graphene are shown
- The potential distribution of localized charged impurities is recovered by iterative phase retrieval reconstruction of their holograms
- Imaging of the potential distribution of localized charged impurities at sub-nanometer resolution is achieved

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