

Poster Contributions

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Formation and in-situ surface characterization of nanostructures tailored by low-energy ion beam irradiation

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Modelling particle redeposition in ion-beam erosion processes under normal and oblique incidence

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Formation of perpendicular and parallel mode ripples on Si surfaces by low-energy ion beam erosion

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Continuum modelling and numerical simulations of ion-beam eroded surfaces with impurities

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Nanostructures formed on KBr surfaces by the impact of highly charged ions

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Transition from smoothing to roughening of ion-eroded GaSb surfaces

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Influence of Rippled Substrate Morphology on the Interlayer Exchange Coupling in Fe/Cr/Fe Thin Films

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Xe⁺ ion beam induced rippled structures on Si miscut wafers

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The role of viscous flow in ion-induced surface patterning: A study combining collision cascade calculation, 3D Monte Carlo kinetics and a simple flow treatment

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Pattern rotation in the anisotropic Kuramoto-Sivashinsky equation

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Dynamical renormalization group analysis of the anisotropic Kuramoto-Sivashinsky equation

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Prediction of surface pattern formation by surface defect generation and diffusion

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Mechanism of self-ordering of metal nanoclusters during low-angle vapour deposition on surfaces patterned by ion irradiation

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Tuneable optical properties of self-aligned nanoparticles and nanowires

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Low-energy ion-induced nanopatterning

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Monte Carlo approach to surface pattern formation in multi-ion beam and sample rotation setups

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The dependence of surface binding energy on local curvature and its influence on ion patterning process

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Modification of colloidal silica nanomasks with ion irradiation and their characterization with ion beam analysis and scanning electron microscopy