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Title: Development of hydrophobicity of mica surfaces by ion beam sputtering

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- The mica surface is sputtered by low energy Ar⁺ ions at oblique incidence.
- The sputtered surface develops hydrophobicity.
- There is a formation of nanoscale ripple topography.
- The chemistry of the sputtered surface is changed.
- The diffusion coefficient of water vapor is measured.

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