Atomic structures of AGBR(001) surfaces

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We have studied the atomic structures on AgBr(001) surfaces by using the gold decoration technique and atomic force microscopy. The gold decoration reveals the complete step structure, including steps of atomic height. The atomic force microscopy also reveals the step structure, and in addition the AgBr surface could be imaged on an atomic scale. A square lattice with a spacing of 0.41 +/- 0.02 nm can be attributed to the larger bromine ions.

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