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Surface potential on gold nanodisc arrays fabricated on silicon under light irradiation

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Highlights

- Monomeric and tetrameric arrays of gold nanodisks on Si were measured by KFM.
- The KFM measurement was carried out under 550-650 nm light irradiation.
- The shifts of surface potentials showed contradictory behaviors with light.
- The electron movement was discussed with the view point of LSPR.

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