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Short communication

Gold nanoparticles dispersion stability under dynamic coating conditions in capillary zone electrophoresis

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Highlights

- CZE of gold nanoparticles (Au NPs) was investigated under dynamic coating conditions.
- Factors influencing Au NPs dispersion stability in CZE were studied.
- Buffering counter-ions were hypothesized to support steric stability to Au NPs.
- Buffer electrolysis was shown to affect Au NPs aggregation.
- Stable and repeatable CZE of Au NPs under dynamic coating conditions was shown.

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