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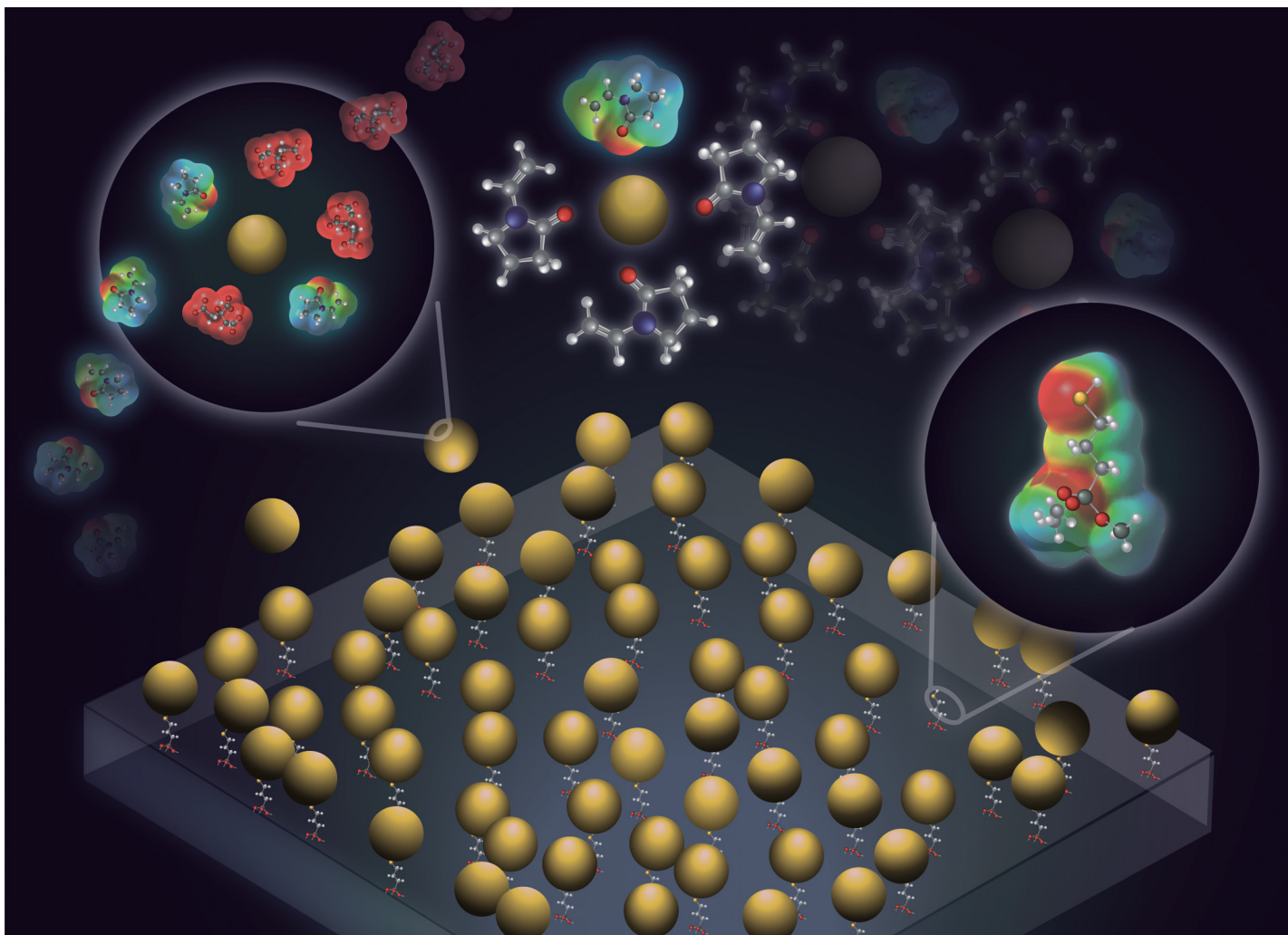
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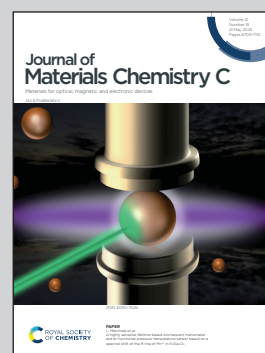


Presenting collaborative research from COPL and CERVO at Laval University in Canada and UNESP in Brazil.

Enhancing gold nanoparticle immobilization on thiolated silica: utilizing neutral ligands to achieve maximum surface coverage for improved SERS substrates

By substituting citrate with a neutral ligand and meticulously controlling the ligand's thickness, the problem of poor immobilization of citrate-coated gold nanoparticles on thiolated silica is effectively addressed. This approach achieves unprecedented surface coverage of gold nanoparticles on thiolated silica, resulting in highly sensitive and chemically stable substrates for surface-enhanced Raman spectroscopy.

As featured in:



See Sanggon Kim,
Younes Messaddeq *et al.*,
J. Mater. Chem. C, 2024, **12**, 6816.