

# Shape changes in plasmonic nanostructures induced by laser irradiation: Potential applications to energy storage

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Classical molecular simulations have been used to investigate the possibilities of controlling the geometry of nanostructures by laser irradiation at the resonant plasmon frequency [1]. Specifically, the formation and dynamics of cavities in gold nanospheres has been addressed. This type of research may lead to potential applications in different areas which include energy storage.

## References

[1] G. González-Rubio, P. Díaz-Núñez, et al. "Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances." *Science* 358(6363):640–644, 2017.