



## Near-field optical control of doughnut-shaped nanostructures

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Résumé en anglais	The application of a local near-field optical excitation with a control of the illumination time can be used to manage step-by-step the reshape of individual doughnut-shaped azopolymer nano-objects demonstrating their performances as a promising functional nano-objects. The possibility to provide a photoinduced reshaping opens a way to the fundamental study of size-dependent scaling laws of optical properties, photoinduced reshaping efficiency and possible nanoreactor or nanoresonator behaviors at nanometer scales. As an example the created nano-object is used to self-assembly polystyrene nanospheres in a supraball.
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DOI	10.1016/j.optcom.2014.08.027 [10]

### Liens

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