

NANO MICRO

# small

## Plasmonic Nanostructures

In article number 1701763, Yuebing Zheng and co-workers report how intersystem crossing (ISC) controls plasmon-enhanced fluorescence in hybrid systems of plasmonic nanostructures and spiropyran molecules. They further demonstrate An all-optical switching of the plasmon-enhanced fluorescence is demonstrated by irradiating the hybrid systems with alternative UV and green light, which modulates the ISC process via the molecular isomerization. The ISC-mediated plasmon-enhanced fluorescence paves a new way toward optical modulators, optical switches, biosensing and bioimaging.

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**Controlling Plasmon-Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules**

Y. Zheng and co-workers