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Optoelectronic properties and in-situ transformations of 1D and 2D materials studied by transmission electron microscopy
ANEXO

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Tesis Doctoral

OPTOELECTRONIC PROPERTIES AND IN-SITU
TRANSFORMATIONS OF 1D AND 2D MATERIALS
STUDIED BY TRANSMISSION ELECTRON
MICROSCOPY
ANEXO

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Supplementary information

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Supplementary videos

The videos within this folder are supplementary material for the third chapter on the manuscript, "*High aspect-ratio Au nanostructures: Plasmonic studies via EELS*". They can be thought of as figures in video format. Their captions, assigned to their different file names, are as follows:

- **hdb**: Effects of the custom background subtraction on the half-dumbbell SPIM-EELS. Top: Raw intensity maps at the given energies. Bottom: Background-extracted intensity maps at the given energies. The spatial scale is set as in Figure 3.19.
- **sw**: Effects of the custom background subtraction on the single Au NW SPIM-EELS. Top: Raw intensity maps at the given energies. Bottom: Background-extracted intensity maps at the given energies. The spatial scale is set as in Figure 3.20.
- **dw**: Effects of the custom background subtraction on the double Au NW SPIM-EELS. Top: Raw intensity maps at the given energies. Bottom: Background-extracted intensity maps at the given energies. The spatial scale is set as in Figure 3.21.
- **db**: Effects of the custom background subtraction on the dumbbell SPIM-EELS. Top: Raw intensity maps at the given energies. Bottom: Background-extracted intensity maps at the given energies. The high amount of experimental noise can be seen in the background-extracted signal. The spatial scale is set as in Figure 3.25.