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Neural network-based analysis of high-resolution transmission electron microscopy images of ultrasmall metallic nanoparticles

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Ultrasmall metallic nanoparticles (diameter 1 to 2 nm) are of interest in research as they can be functionalized and used in biomedical applications. One of the most prominent methods for analyzing ultrasmall nanoparticles is high-resolution transmission electron microscopy (HRTEM). To effectively use HRTEM for a large-scale analysis of ultrasmall nanoparticles, an automated image processing is generated.

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