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Near-threshold Electron Emission Spectroscopy to Characterize Nanoobjects for Biomedical Applications

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Rapid implementation of nanoobjects for biomedical applications needs simple techniques to characterize them. Great attention is paid to the surface of nanoobjects. Its electrical charge has a significant influence on the interaction of the nanoobjects with biostructures. The article reviews the fundamentals and applications of near-threshold electron emission spectroscopy to characterize and control the electrical charge deposited on the surfaces of nanoobjects.