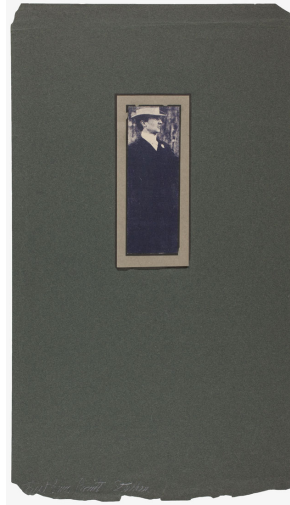


OBJECT RESEARCH



**Edward Steichen (American, born Luxembourg, 1879–1973)**

## Young Tycoon (self-portrait)

c. 1902

Gum bichromate print

Alfred Stieglitz Collection

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**AIC accession number:** 1949.872

**Stieglitz Estate number:** N/A

**Inscriptions:** Inscribed recto, on fourth hinged paper, lower center, in graphite: "[graphic signature/flower drawing and 'S']"; recto, on fourth hinged paper, lower left, in graphite: "First gum print Steichen"; unmarked verso

**Dimensions:** 14.8 x 5.1 cm (image/paper); 50.1 x 28.1 cm (last support)

**Print thickness:** N/A

**Mount:** Original

**X-ray fluorescence (XRF) spectrometry:**  
See below

**X-RAY FLUORESCENCE (XRF) SPECTROMETRY**

XRF spectral readings were taken from the recto of the work and from the mount when available. The elements listed below have been positively identified in the work; elements in bold have been attributed to the processing of the print.

Print: **Cr**

Mount: K, Ca, Cr, Sr, Fe, Cu, Zn, Pb

The graph below shows XRF spectra for three distinct measurement areas on the print: the darkest, maximum-density image area (Dmax, purple); the lightest, minimum-density image area (Dmin, green); and the mount, when available (orange). The background spectrum (gray) represents the characteristic contribution of the instrument itself as measured on a Teflon reference and is included in order to discount irrelevant elements from the print's signature. Elements were identified based on the presence of their characteristic peaks. Analysis was performed with a Bruker ARTAX air-path portable micro-XRF system equipped with a laser pointer, an integrated camera system, a Mo 12.5µm filter, and a Mo tube. Measurements were taken for 250 LT at 50 kV and 800 µA. The spectrum below illustrates the significant peaks for this print in the energy range from 2 to 15 keV.

Figure 1. (right)  
Locations of XRF measurements

Figure 2. (below)  
XRF spectra from the Dmax, Dmin, mount,  
and background signal produced by the  
analyzer.

