

常见金属的功函数集中，以备查询

Metal	Work Function (eV)
银 Ag (silver)	4.26
铝 Al (aluminum)	4.28
金 Au (gold)	5.1
铯 Cs (cesium)	2.14
铜 Cu (copper)	4.65
锂 Li (lithium)	2.9
铅 Pb (lead)	4.25
锡 Sn (tin)	4.42
铬 Cr (Chromium)	4.6
钼 Mo(Molybdenum)	4.37
钨 Tungsten	4.5
镍 Nickel	4.6
钛 Titanium	4.33
铍 Beryllium	5.0
镉 Cadmium	4.07
钙 Calcium	2.9
碳 Carbon	4.81
钴 Cobalt	5.0
钯 Pd(Palladium)	5.12
铁 Iron	4.5
镁 Magnesium	3.68
汞 Mercury	4.5
铌 Niobium	4.3
钾 Potassium	2.3
铂 Platinum	5.65
硒 Selenium	5.11
钠 Sodium	2.28
铀 Uranium	3.6
锌 Zinc	4.3

Notes:

Source: various (listed in my dissertation).

The actual work function is VERY dependent (usually) several factors including morphology, preparation, gas on surface, oxidation...

Aluminum is a strange one... Once exposed to atmosphere the surface oxidizes and the effective work function increases to values of 10 or 11 !!!!

Most common metals can be roughly assumed to have a work function of ~4.5