

Energy values for the emission lines studied

Line type	Element	Wavelength, nm	E_{ion} , eV	E_{exc} , eV	E_{sum} , eV
Atomic	K I	766.490	(4.34)	1.62	1.62
	Cu I	327.393	(7.73)	3.82	3.82
	Li I	610.362	(5.39)	3.88	3.88
	Zn I	213.857	(9.39)	5.80	5.80
	Mg I	285.213	(7.65)	4.35	4.35
	Cd I	228.802	(8.99)	5.42	5.42
Ionic	Sr II	421.546	5.69	2.94	8.63
	Ba II	233.527	5.21	6.01	11.22
	Mn II	257.610	7.44	4.81	12.25
	Cr II	267.716	6.76	6.16	12.92
	Fe II	238.204	7.87	5.20	13.07
	Ni II	221.647	7.64	6.63	14.27
	Pb II	220.353	7.42	7.37	14.79
	Zn II	206.200	9.39	6.01	15.40

^a E_{sum} = ionization energy (E_{ion}) + excitation energy (E_{exc}).