

Table I-3. The electron binding energy to cation M^{+Z} (I_Z) and the average electron binding energy ($\Sigma I_Z/z$) in unit of eV/electron (Dean, 1985; Samsonov, 1973, in parentheses).

Z	z	I_Z	$\Sigma I_Z/z$	Z	z	I_Z	$\Sigma I_Z/z$	Z	z	I_Z	$\Sigma I_Z/z$
Ac-89	3	(19)	(12)	Hf-72	4	33.3	19.5		4	(41)	(24)
Ag-47	1	7.58	7.58	Hg-80	1	10.4	10.4	Ra-88	2	10.1	7.7
Al-13	3	28.5	17.8		2	18.8	14.6	Rb-37	1	4.18	4.18
As-33	3	28.4	18.9	Ho-67	3	22.8	13.6	Re-75	4	37.7	21.2
	5	62.6	33.9	I-53	5	(71)	(35)		7	(79)	(41)
At-85	5	(51)	(30)		7	(104)	(52)	Rh-45	3	31.1	18.9
	7	(91)	(46)	In-49	3	28	17.6		4	(46)	(26)
Au-79	1	9.23	9.23	Ir-77	3	(27)	(18)	Ru-44	3	28.5	17.5
	3	(30)	(20)		4	(39)	(23)		4	(46)	(25)
B-5	3	37.9	23.8	K-19	1	4.34	4.34		8	(119)	(58)
Ba-56	2	10	7.61	La-57	3	19.2	11.9	S-16	4	47.3	29
Be-4	2	18.2	13.8	Li-3	1	5.39	5.39		6	88	46.1
Bi-83	3	25.6	18.1	Lu-71	3	21	13.4	Sb-51	3	25.3	16.8
	5	56	33.1	Mg-12	2	15	11.3		5	56	30.1
Br-35	5	59.7	35.3	Mn-25	2	15.6	11.5	Sc-21	3	24.8	14.7
	7	103	52.6		3	33.7	18.9	Se-34	4	42.9	26.2
C-6	4	64.5	37		4	51.2	27		6	81.7	42.5
Ca-20	2	11.9	8.99		7	119	56.4	Si-14	4	45.1	25.8
Cd-48	2	16.9	13	Mo-42	3	27.2	16.8	Sm-62	3	23.4	13.4
Ce-58	3	20.2	12.2		4	46.4	24.2	Sn-50	2	14.6	11
	4	36.8	18.3		5	61.2	31.6		4	40.7	23.3
Cl-17	5	67.8	39.5		6	68	37.7	Sr-38	2	11	8.4
	7	114	58.4	N-7	3	47.4	30.5	Ta-73	5	(45)	(25)
Co-27	2	17.1	12.5		5	97.9	53.4	Tb-65	3	21.9	13.1
	3	33.5	19.5	Na-11	1	5.14	5.14	Tc-43	7	(94)	(46)
Cr-24	2	16.5	11.6	Nb-41	3	25	15.4	Te-52	4	37.4	23.2
	3	31	18.1		5	50.6	27		6	70.7	37.1
	6	90.5	43.9	Nd-60	3	22.1	12.8	Th-90	4	28.8	16.6
Cs-55	1	3.89	3.89	Ni-28	2	18.2	12.9	Ti-22	3	27.5	16
Cu-29	1	7.73	7.73		3	35.2	20.3		4	43.3	22.8
	2	20.3	14	O-8	6	138	72.2	Tl-81	1	6.11	6.11
Dy-66	3	22.8	13.5	Os-76	3	(25)	(17)		3	29.8	18.8
Er-68	3	22.7	13.6		4	(40)	(23)	Tm-69	3	23.7	14
Eu-63	2	11.2	8.45		8	(99)	(50)	U-92	6	(57)	
	3	24.9	13.9	P-15	3	30.2	20.1	V-23	2	14.7	10.7
F-9	7	185	94.1		5	65	35.4		3	29.3	16.9
Fe-26	2	16.2	12	Pb-82	2	15	11.2		4	46.7	24.4
	3	30.7	18.2		4	42.3	24.2		5	65.2	32.5
Fr-87	1	3.98	3.98	Pd-46	2	19.4	13.9	W-74	6	(61)	(32)
Ga-31	3	30.7	19.1		3	32.9	20.2	Y-39	3	20.5	13
Gd-64	3	20.6	12.9	Pm-61	3	22.3	12.9	Yb-70	3	25	14.5
Ge-32	2	15.9	11.9	Po-84	4	(38)	(23)	Zn-30	2	18	13.7
	4	45.7	25.9	Pr-59	3	21.6	12.5	Zr-40	4	34.3	19.3
H-1	1	13.6	13.6	Pt-78	2	18.6	13.8				