LATEX 项目模板

Roger Young

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0.1 元素周期表

		0.1	兀系	局期表	ζ
\mathbf{He} 知 \mathbf{He} 知 \mathbf{He}	Ne	Krypton 7 83.798(2) 57 54 9 60 5n	Xenon (31.293(6)	2.2 1 1 (222)	(p 118 (p Oganesson (294)
	Carbon Nitrogen O 氧 F 氟 Ne 氢 O 氧 Carbon Nitrogen	Bromine 79.901-79.907 50 53 7 66 50	4.000 L 執 Iodine 86.90447(3)	85 2.2 At 4\foxiation Astatine (210)	$\frac{1}{L}$ Ts (p) Tr (p) Tennessine (294)
	2p 8 3.44 2p Oxygen Oxygen 15.0003:15.0077 3p 16 2.58 3p Sulphur S	Selenium 78.971(8) 5n 52 91 5n		Polonium (209)	(P) LIO (P)
	2p 7 3.04 2p Nitrogen Nitrogen 15 2.19 3p 15 2.18 4p 33 2.18 4p 133 2.18 4p 133 2.18 4p 133 2.18 4p 133 2.18 4p 135 2.18	Arsenic 74.921595(6) 5n 51 2 05 5n	1115 S S	1.02 i 航 smuth	Moscovium
	B 研 B M B M B C 磁 National 12 12 12 12 12 12 12 12 13 14 11 12 12 12 13 14 11 12 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 11 13 14 14 14 14 14 14 14 14 14 14 14 14 14		::::::::::::::::::::::::::::::::::::::	L.8/ b 包	F1 鈇 Flerovium
	B 研 Boron C 磁 Carbon 13 L61 3p 14 1.90 Al 错 Aluminium Silcon 31 L81 4p 32 2.01 Ga 簑	Gallium 69.723(1) AQ 1.78 5m	In \$\frac{11.1\cdot 0}{11.1\cdot 0}\$	1.62 T1 \$1 Thallium 204.382-204.	Cn 部 Nh 鉱
表	30 1.65 3d Zn 锌	Zinc 65.38(2) A8 1 60 Ad	Cd 镉 Cadmium 112.414(4)		bd 1112 bd
荆	29 1.90 3d* Cu 铜	Copper 63.546(3)	Ag 银 Silver	$A_{\mathbf{u}} \stackrel{2.54}{\Leftarrow} {}^{5d^*}$ Cold 196.966569(5)	· S 新 mtgenium
里	Pard B 和 B	Cobalt Nickel Copper Zinc Gallium Germani SSSSIG(4) 6.8.560(3) 65.38(3) 65.38(3) 60.722(1) 7.2c0(6) 9.98 AA* AR 1 69 AA* AR 1 102 AA* AR 1 60 AA 4A 1 178 5n 50 1 GG	Pd 铝 和	t 年 tinum	参 DS 董 R Darmstadtium Roe
#445	rb- andard 27 1.88 3d	Cobalt 58.933194(4)	Rh 钱 Rhodium 102.9059(2)	2.20 [r 针	Mt 途 109 104 105 10
比	pativity; ss = su name, saw = sta $\frac{26 \cdot 1.83}{16}$ 3d	e Iron 55.845(2) t	" <u>∦</u> 440 i "	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	S
	Z = atomic number; eneg = electronegativity; ss = subshell; Sy = Symbol, Name = element name, saw = standard atomic weight $ $			9 5d 	Def 107 04 108 Bohrium Ha (270)
	ic number; ene = Symbol, Nan sight 24 1.66 34* Cr 铭	tum Chromium Mangane (51) 51.9991(6) 54.988044(Molybdenum 95.95(1)	7.4 2.36 5d 7	58 Seaborgium (289)
	$Z = \text{atomic nn}$ shell; $Sy = Sy$ atomic weight $\frac{63}{2} \frac{3d}{24} \frac{1}{24}$	adium (415(1)	5 纪 5 亿	1.5 5d 7	0

4f 71 1.27 $4f$	Ln 镥	Lutetium	174.9668(1)	103 1.3 5 f	Lr 铹	Lawrencium	(266)
$ 70 \frac{1.1}{1.1} 4f$	Yb 镱	Ytterbium	173.045(10)	$ 44 1.28 5f 95 1.13 5f 96 1.28 5f^* 97 1.3 5f 98 1.3 5f 99 1.3 5f 100 1.3 5f 101 1.3 5f 102 1.3 5f 103 5f $	Md 钔 No 锘	Nobelium	(259)
69 $\frac{1.25}{4}$ 4 <i>f</i>	Tm 铥	Thulium	168.93422(2)	101 1.3 5f	Md 钔	Mendelevium	(258)
68 1.24 4f	Sm 钐 Eu 铕 Gd 钆 Tb 铽 Dy 镝 Ho 钬 Er 铒 Tm 铥 Yb 镱	Erbium	167.259(3)	$100 ext{ } 1.3 ext{ } 5f$	Frn 镄	Fermium	(257)
$4f$ 63 1.2 $4f$ 64 1.2 $4f^*$ 65 1.1 $4f$ 66 1.22 $4f$ 67 1.23 $4f$ 68 1.24 $4f$ 69 1.25 $4f$ 70 1.1	Ho 钬	Holmium	164.93033(2)	99 1.3 5f	Es 锿	Einsteinium	(252)
66 $\frac{1.22}{1.22}$ 4 <i>f</i>	Dy 镝	Dysprosium	162.500(1)	$98 ext{ } 1.3 ext{ } 5f$	Cf 锎 Es 锿	Californium	(251)
65 1.1 4f	Tb 铽	Terbium	158.92535(2)	$97 ext{ } 1.3 ext{ } 5f$	Bk 辝	Berkelium	(247)
$64 \frac{1.2}{1.2} 4f^*$	Gd 钆	Gadolinium	157.25(3)	96 1.28 $5f^*$	Cm 锔	Curium	(247)
63 $\frac{1.2}{1.2}$ 4 <i>f</i>	En 铕	Europium	151.964(1)	95 1.13 5f	Pu 钚 Am 镅 Cm 锔 Bk 锫	Americium	(243)
2 1.17	Sm 恕	Samarium	150.36(2)	$94 ext{ } 1.28 ext{ } 5f$	Pu 钚	Plutonium	(244)
61 1.13 4 f	Pm 钷	Promethium	(145)	$5f^*$ 92 1.38 $5f^*$ 93 1.36 $5f^*$ 9	Np 镎	Neptunium	(237)
$ 60 \ 1.14 \ 4f 61 \ 1.13 \ 4f 6$	Nd 钕 Pm 钷	Neodymium	144.242(3)	92 1.38 $5f^*$	O 部	Uranium	238.02891(3)
$\frac{13}{4}$,错	dymium	(0766(2)	$.5 5f^*$	r 碟	ctinium	(3588(2)

相对原子质量来源: (http://ciaaw.org/atomic-weights.htm).. © 2017 张洋

An asterisk (*) next to a subshell indicates an anomalous (Aufbau rule-breaking) ground state electron configuration.