

# Abbreviations

atmosphere.....	atm	Gibbs energy.....	$G$	parts per billion.....	ppb
atomic percent.....	at. %	gram.....	g	parts per million.....	ppm
body-centered cubic.....	bcc	gram atom.....	g-atom	percent.....	%
body-centered tetragonal.....	bct	Guinier-Preston.....	GP	phase diagram (presence of).....	#
boiling point.....	B.P.	heat capacity.....	$C_p$	pressure.....	$P$
Boltzmann constant.....	$k$	high temperature.....	HT	rare earth.....	RE
Celsius.....	$^{\circ}\text{C}$	hour.....	h	room temperature.....	$RT$
close-packed hexagonal.....	cph	joule.....	J	second (time).....	s
cubic centimeter.....	$\text{cm}^3$	Kelvin.....	K	second (angular).....	"
Curie temperature.....	$T_C$	key paper (in reference lists).....	*	selected-area electron diffraction.....	SAD
degree (angular).....	$^{\circ}$	liquid.....	L	solid.....	s or S
differential scanning calorimetry.....	DSC	logarithm (base 10).....	log	sublimation point.....	S.P.
differential thermal analysis.....	DTA	logarithm (base e).....	ln	temperature.....	$T$
double close-packed hexagonal.....	dcph	low temperature.....	LT	transformation temperature for partitionless transformation.....	$T_0$
electromotive force.....	emf	maximum.....	max	transmission electron microscopy.....	TEM
enthalpy.....	$H$	megapascal.....	MPa	triple point.....	T.P.
entropy.....	$S$	melting point.....	M.P.	unknown.....	*
face-centered cubic.....	fcc	millimicron (nanometer).....	nm	versus.....	vs.
face-centered tetragonal.....	fct	minimum.....	min	weight percent.....	wt. %
Fahrenheit.....	$^{\circ}\text{F}$	minute (time).....	min	x-ray diffraction.....	XRD
gas.....	g or G	minute (angular).....	'		
gas constant.....	$R$	mole.....	mol		
		nanometer.....	nm		
		Néel temperature.....	$T_N$		