

# Abbreviations

atmosphere..... atm  
 atomic percent..... at.%  
 body-centered cubic ..... bcc  
 body-centered tetragonal ..... bct  
 boiling point..... B.P.  
 Boltzmann constant .....  $k$   
 Celsius..... °C  
 close-packed hexagonal ..... cph  
 cubic centimeters..... cm<sup>3</sup>  
 Curie temperature..... T<sub>C</sub>  
 degree (angular)..... °  
 differential scanning  
   calorimetry..... DSC  
 differential thermal  
   analysis..... DTA  
 double close-packed  
   hexagonal..... dcph  
 electromotive force ..... emf  
 enthalpy.....  $H$   
 entropy.....  $S$   
 face-centered cubic ..... fcc  
 face-centered tetragonal..... fct  
 Fahrenheit..... °F  
 gas ..... g or G

gas constant .....  $R$   
 Gibbs energy .....  $G$   
 gram ..... g  
 gram atom..... g-atom  
 Guinier-Preston ..... GP  
 heat capacity.....  $C_p$   
 high temperature ..... HT  
 hour ..... h  
 joule ..... J  
 kelvin..... K  
 key paper (in reference lists) ..... \*  
 liquid ..... L  
 logarithm (base 10)..... log  
 logarithm (base e)..... ln  
 low temperature ..... LT  
 maximum ..... max  
 megapascal..... MPa  
 melting point..... M.P.  
 millimicron (nanometer)..... nm  
 minimum..... min  
 minute (time)..... min  
 minute (angular) ..... '  
 mole ..... mol  
 nanometer..... nm

Néel temperature..... T<sub>N</sub>  
 parts per billion ..... ppb  
 parts per million..... ppm  
 percent..... %  
 phase diagram (presence of)..... #  
 pressure ..... P  
 rare earth ..... RE  
 room temperature..... RT  
 second (time) ..... s  
 second (angular)..... ''  
 selected-area  
   electron diffraction..... SAD  
 solid..... s or S  
 sublimation point..... S.P.  
 temperature ..... T  
 transformation temperature for  
   partitionless transformation .... T<sub>0</sub>  
 transmission electron  
   microscopy ..... TEM  
 triple point..... T.P.  
 unknown..... \*  
 versus..... vs  
 weight percent..... wt.%  
 X-ray diffraction..... XRD

# General References

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