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# List of Abbreviations

<b>BF</b>	:	<b>Bright Field</b>
<b>CYS</b>	:	<b>Compressive Yield Strength</b>
<b>DF</b>	:	<b>Dark Field</b>
<b>FWHM</b>	:	<b>Full Width Half Maxima</b>
<b>GB</b>	:	<b>Grain Boundary</b>
<b>GBMS</b>	:	<b>Grain Boundary Misorientation Strain</b>
<b>GNP</b>	:	<b>Graphene Nano Particles</b>
<b>HAGB</b>	:	<b>High Angle Grain Boundary</b>
<b>KAM</b>	:	<b>Kernel Average Misorientation</b>
<b>LAGB</b>	:	<b>Low Angle Grain Boundary</b>
<b>NCs</b>	:	<b>Nanocomposites</b>
<b>OCP</b>	:	<b>Open Circuit Potential</b>
<b>SHE</b>	:	<b>Strain Hardening Exponent</b>
<b>SHR</b>	:	<b>Strain Hardening Rate</b>
<b>TB</b>	:	<b>Twin Boundary</b>
<b>TYS</b>	:	<b>Tensile Yield Strength</b>
<b>UTS</b>	:	<b>Ultimate Tensile Strength</b>
<b>UCS</b>	:	<b>Ultimate Compressive Strength</b>
<b>XRD</b>	:	<b>X-ray Diffraction</b>

# List of Symbols

$T$	:	Absolute temperature
$\sigma$	:	Applied stress
$K$	:	Boltzmann's constant
$b$	:	Burgers vector
$Q$	:	Creep activation energy
$A$	:	Diameter of the indenter
$D_0$	:	Coefficient of self-diffusion
%El	:	%Elongation
$D$	:	Grain size
$p$	:	Inverse grain size exponent
$P_m$	:	Mean pressure
$\dot{\epsilon}$	:	Steady-state creep rate
$G$	:	Shear modulus
$n$	:	Stress exponent
$R$	:	Universal gas constant
$V_{imp}$	:	Impression velocity
$\sigma_{imp}$	:	Stress in impression creep