

# LIST OF ABBREVIATIONS

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ARB	Accumulative Roll-Bonding
CHPT	Continuous High-Pressure Torsion
CR	Cold-Rolling
CRR	Cryo-Rooling
CGP	Corrugated Groove Pressing
C2S2	Continuous Confined Strip Shearing
CW	Clock-wise
CCW	Counter Clock-wise
DDW	Dense Dislocation Wall
DP	Dual Phase
DCAP	Dissimilar Channel Angular Pressing
EBSD	Electron Back Scattered Diffraction
ECAP	Equal-Channel Angular Pressing
ECAE	Equal-Channel Angular Extrusion
ECAR	Equal-Channel Angular Rolling
FA	Flash Annealing
GNBs	Geometrically Necessary Dislocations
GPa	Giga Pascal
HPT	High Pressure Torsion
HAGB	High Angle Grain Boundary
IDBs	Incidental Dislocation Boundaries
IF	Interstitial Free
I-ECAP	Incremental Equal-Channel Angular Pressing
IPF	Inverse Pole Figure
LAGB	Low Angle Grain Boundary
LCS	Low Carbon Steel
MAC	Multi-Axial Compression
MDF	Multi-Directional Forging
MAF	Multi-Axial Forging
MPa	Mega Pascal

ND	Normal Direction
ODF	Orientation Distribution Function
PF	Pole Figure
RCS	Repetitive Corrugation and Straightening
RD	Rolling Direction
SPD	Severe Plastic Deformation
SEM	Scanning Electron Microscopy
TE	Total Elongation
TD	Transverse Direction
TEM	Transmission Electron Microscopy
TE	Twist Extrusion
UFG	Ultrafine-Grain
UTS	Ultimate Tensile Strength
UE	Uniform Elongation
VHN	Vickers Hardness Number
XRD	X-ray Diffraction
YS	Yield Strength