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Abbreviations

RE	Rare Earth
PM	Permanent Magnet
FM	Ferromagnetic
AFM	Antiferromagnetic
LTP	Low Temperature Phase
HTP	High Temperature Phase
EB	Exchange Bias
SEB	Spontaneous Exchange Bias
SE	Secondary Electron
TEM	Transmission Electron Microscopy
BF	Bright Field
DP	Diffraction Pattern
SEM	Scanning Electron Microscopy
EDS	Energy Dispersive X-ray Spectroscopy
XRD	X-ray Diffraction
XPS	X-ray Photoelectron Spectroscopy
DSC	Differential Scanning Calorimetry
HAADF	High-Angle Annular diffraction
EG	Ethylene Glycol
CTAB	Cetyl Trimethyl Ammonium Bromide