

## Abbreviations

Antiferromagnet	AFM
Bose-Einstein Condensation	BEC
Density functional theory	DFT
Density of state	DOS
Ferromagnet	FM
Ferromagnetic resonance	FMR
Generalized gradient approximation	GGA
Local density approximation	LDA
Nearest neighbour	nn
Next nearest neighbour	nnn
Radio frequency	RF
Yttrium Iron Garnet	YIG

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