

List of Abbreviations

SMM	single molecule magnet
T_b	blocking temperature
ZFS	zero field splitting
QTM	quantum tunneling of magnetization
SOC	spin orbit coupling
U_{eff}	effective energy barrier
SOD	superoxide dismutase
NBT	nitro blue tetrazolium
SQUID	Superconducting Quantum Interference Device
TBP	trigonal bipyramidal
PBP	pentagonal bipyramidal
DFT	density function theory
T	Tesla
K	Kelvin
v	stretching mode (IR)
br	broad
m	medium
w	weak
FT-IR	Fourier transform - infrared
Me	methyl
RT	room temperature
IC_{50}	half maximal inhibitory concentration
UV	ultraviolet