List of Abbreviations

POMs	Polyoxometalates
LPOMs	Lacunary Polyoxometalates
HPAs	Heteropoly acids
TMSPOMs	Transition Metal Substituted Polyoxometalates
MSPOMs	Metal Salt of Polyoxometalates
TME-POM/S	Transition Metal Exchanged Polyoxometalates supported on support
ZrO_2	Zirconia
PMo_{12}	Phosphomolybdic acid
$PMo_{11}Fe$	Mono-Iron substituted Phosphomolybdic acid
Fe-PMo_{12}/ZrO_2	Iron exchanged Phosphomolybdic acid supported on Zirconia
$PMo_{11}Ni$	Mono-Nickel substituted Phosphomolybdic acid
Ni-PMo_{12}/ZrO_2	Nickel exchanged Phosphomolybdic acid supported on Zirconia
$PMo_{11}Pd$	Mono-Palladium substituted Phosphomolybdic acid
Pd-PMo_{12}/ZrO_2	Palladium exchanged Phosphomolybdic acid supported on Zirconia
$NiHPMo_{12}$	Nickel salt of Phosphomolybdic acid
NPs	Nanoparticles
SASc	Single Atom Site catalyst
TON	Turnover Number
TOF	Turnover Frequency
LA	Levulinic acid
FA	Formic acid
SM cross coupling	Suzuki-Miyaura cross coupling