
List of Abbreviations

NPs	Nanoparticles
NCs	Nanocatalysts
NCLs	Nanoclusters
HPAs	Heteropoly acids
POMs	Polyoxometalates
TPA	12-tungstophosphoric acid
LTPA	Mono lacunary tungstophosphoric acid
PdTPA	Stabilized PdNCLs by TPA
PdLTPA	Stabilized PdNCLs by LTPA
ZrO ₂	Zirconia
TPA/ZrO ₂	TPA supported onto ZrO ₂
LTPA/ZrO ₂	LTPA supported onto ZrO ₂
Pd-TPA/ZrO ₂	PdNPs stabilized by TPA/ZrO ₂
Pd-LTPA/ZrO ₂	PdNPs stabilized by LTPA/ZrO ₂
PdTPA/ZrO ₂	PdTPA supported onto ZrO ₂
PdLTPA/ZrO ₂	PdLTPA supported onto ZrO ₂
SiO ₂	Silica
PdTPA/SiO ₂	SiO ₂ encapsulated PdTPA
TON	Turnover Number
TOF	Turnover Frequency
SM	Suzuki-Miyaura
PZC	Point of Zero Charge
