
List of Abbreviations

POMs	Polyoxometalates
LPOMs	Lacunary polyoxometalates
HPAs	Heteropolyacids
PW ₁₂	12- Tungstophosphoric acid
PW ₁₁	Monolacunary phosphotungstate
MCM-41	Mobil Composition of Matter No. 41
MCM-48	Mobil Composition of Matter No. 48
PW ₁₂ /MCM-41	PW ₁₂ anchored to MCM-41
PW ₁₁ /MCM-41	PW ₁₁ anchored to MCM-41
PW ₁₂ /MCM-48	PW ₁₂ anchored to MCM-48
PW ₁₁ /MCM-48	PW ₁₁ anchored to MCM-48
TGA	Thermo Gravimetric Analysis
FT-IR	Fourier Transform Infrared Spectroscopy
XRD	X-ray Diffraction
SEM	Scanning Electron Microscopy
TEM	Transmission Electron Microscopy
FFAs	Free Fatty Acids
TGs	Triglycerides
TON	Turn Over Number
OA	Oleic acid
SO	Soybean oil
BDSO/BDWCO	Biodiesel from Soybean Oil/Waste Cooking Oil
Gly	Glycerol
BA	Benzyl alcohol
TBHP	<i>tert</i> -Butyl hydrogen peroxide
Sty	Styrene
Benz	Benzaldehyde
DHA	Dihydroxyacetone
GLYALD	Glyceraldehyde
GLYAC	Glyceric acid
GLYCAC	Glycolic acid
OA	Oxalic acid
