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List of abbreviations

BET	Brunauer–emmett–teller
CeO ₂ -NR/NP/NC	Cerium dioxide-nanorod/nanopolyhedral/nanocube
EDX	Energy-dispersive X-ray spectroscopy
EPA	Environmental protection agency
GC	Gas chromatography
HC	Hydrocarbon
NO _x	Nitrogen oxide, x=1,2
NAAQS	National ambient air quality standards
OSC	Oxygen storage capacity
SEM	Scanning electron microscope
SO _x	Sulphur oxide
SCR	Selective catalytic reduction
TWC	Two-ways catalysts
TEM	Transmission electron microscopy
TPR	Temperature-programmed reduction
XRD	X-ray diffraction
XPS	X-ray photoelectron spectroscopy