

List of Abbreviations

<i>Abbreviation</i>	<i>Full Form</i>
<i>a.u.</i>	Arbitrary Units
<i>BET</i>	Brunauer-Emmett-Teller
<i>BG</i>	Bandgap
<i>CB</i>	Conduction Band
<i>EDX</i>	Energy Dispersive X-ray Spectroscopy
<i>EIS</i>	Electrochemical Impedance Spectroscopy
<i>Fe</i>	Iron
<i>FESEM</i>	Field Emission Scanning Electron Microscopy
<i>F-TEDA</i>	Chloromethyl-4-fluoro-1,4-diazoniabicyclo[2.2.2]octane bis (tetrafluoroborate)
<i>FTO</i>	Fluorine Doped Tin Oxide
<i>HER</i>	Hydrogen Evolution Reaction
<i>HRTEM</i>	High Resolution Transmission Electron Microscopy
<i>HT</i>	Hydrothermal
<i>ICSD</i>	Inorganic Crystal Structure Database
<i>JCPDS</i>	Joint Commission on Powder Diffraction sheet
<i>KCl</i>	Potassium Chloride
<i>O</i>	Oxygen
<i>OER</i>	Oxygen Evolution Reaction
<i>PEC</i>	Photoelectrochemical
<i>PPM</i>	Parts Per Million
<i>RAM</i>	Radar Absorbing Material
<i>RHE</i>	Reference Hydrogen Electrode
<i>SAED</i>	Selected Area Electron Diffraction
<i>SEM</i>	Scanning Electronic Microscopy
<i>STH</i>	Solar to Hydrogen
<i>TEM</i>	Transmission Electronic Microscopy
<i>TiO₂</i>	Titanium Oxide
<i>U</i>	Uranium
<i>VB</i>	Valance Band
<i>XPS</i>	X-ray Photoelectron Spectroscopy
<i>XRD</i>	X-Ray Diffraction

