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NOMENCLATURE

WGS	Water Gas Shift reaction
rWGS	Reverse Water Gas Shift reaction
OCV	Oper Circuit Voltage, V
i	Current density, A/cm ²
TPB	three phase boundary
e	electrons
YSZ	Ytria-stabilized zirconia
K	equilibrium constant
p	pressure, atm
T	temperature, °C
f	molar fraction
var	variable
SEM	Scanning Electron Microscope

Greek symbols

α	Carbon deposition parameter
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Subscripts

B	Boudouard
0	exchange current density symbol
eq	equilibrium
CO	carbon monoxide