List of symbols

Symbols (incl. sub- and superscripts)	Description
$*$	Incorrect expression
A	Atom
abs	Absolute
app	Applied
α	Flux ratio
b	Balance
β	Dilution ratio
chem	Chemical
conv	Converted
corr	Corrected
des	Desired
DF	Dissociation fraction
$\Delta H°$	Standard reaction enthalpy (kJ mol^{-1})
E	Energy (kJ^{-1}, eV)
EC	Energy cost (kJ mol^{-1}, kJ L^{-1}, eV molecule^{-1})
eff	Effective
EY	Energy yield (mol kJ^{-1}, L kJ^{-1}, molecule eV^{-1})
fin	Final
H_f	Formation enthalpy (kJ mol^{-1})
i	Reactant
in	At reactor inlet/before reactor
init	Initial
j	(Gaseous) product
k	Condensed/deposited product
LHV	Lower heating value (kJ mol^{-1})
meas	Measured
μ	Stoichiometric coefficient
$\dot{n}$	Molar flow (mol min^{-1})
N_A	Avogadro's constant (molecule mol^{-1})
η	Energy efficiency
out	At reactor outlet/after reactor
p	Pressure (bar, atm)
P	Power (kW)
RE	Relative error
reac	Reaction
rep	Reported
s	Diluting agent/standard component
S	Selectivity
SEI	Specific energy input (kJ mol^{-1}, kJ L^{-1}, eV molecule^{-1})
T	Temperature (K, °C)
tot	Total

$\dot{V}$	Volume flow (L min^{-1})	
V_m	Molar volume (L mol^{-1})	
χ	Conversion	
y	Molar/volume fraction	
Y	Product yield	