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LIST OF SYMBOLS AND ABBREVIATIONS

AEEA	2-(2-aminoethylaminoethanol)
AHPD	2-amino2-hydroxymethyl-1,3-propandiol
Am	Amine
AMP	2-amino-2-methylpropanol
AMPD	2-amino-2-methylpropandiol
B	Number of moles of a base
$BaCl_2$	Barium chloride
$BaCO_3$	Barium carbonate
CO_2	Carbon dioxide
CO_3^{2-}	Carbonate ion
DEA	Diethanolamine
DGA	Diglycolamine
E_A	Activation Energy
EAE	Ethylaminoethanol
exp.	Experimental
H_2O	Water
H_2S	Hydrogen sulphide
HCl	Hydrochloric acid
H_{CO2}	Henry's constant
HCO_3^-	Bicarbonate ion
K	Kelvin
K_a	Acid dissociation constant
$\acute{K}_a$	Apparent acid dissociation constant

K_i	Equilibrium constant of species *i*
K_{OV}	Overall equilibrium constant
MAE	2(methylamino)ethanol
$MAECOO^-$	Carbamate ion of methylaminoethanol
$MAEH^+$	Protonated amine
MDEA	Methyldiethanolamine
MEA	Monoethanolamine
M_i	Molarity of species i ($mol.dm^{-3}$)
Ml	Millilitre (= cm^3)
MPE	Absolute mean percentage error
N_2	Nitrogen gas
NaCl	Sodium chloride
NaOH	Sodium hydroxide
P	Pressure, kPa
P_{CO2}	Partial pressure of CO_2 (kPa)
pK_a	$-\log_{10}K_a$
PZ	Piperazine
R	Alkyl group
R^2	Coefficient of determination
T	Temperature (^oC)
TEA	Trienthanolamine
theo.	Theoretical
TIPA	Triisopropylamine
V_i	Volume of liquid i (cm^3)
VLE	Vapour-liquid equilibria
A	Loading ($mol.CO_2/mol.amine$)