

Symbol list

A	Ampere, electrical current unit
A	Area or (in spectroscopy) absorbance
A_{act}	Active area
A_{geom}	Geometric area
Å	Ångström, unit of length (10^{-10} m)
B/F	Bound versus free antigen ratio
C	Concentration
C_T or C_q	Threshold or quantification cycle
D	Diffusion coefficient
Da	Dalton, atomic mass unit
δ	Diffusion layer
Δ	Variation
e	Euler's number
e^-	Electron
E	Electrode potential
$E_{1/2}$	Half-wave potential
E_a	Anodic potential
E_c	Cathodic potential
E_m	Membrane potential
E_{pa}	Anodic peak potential
E_{pc}	Cathodic peak potential
E^0	Standard potential
$E^{0'}$	Formal potential
ϵ	Molar extinction coefficient or absorptivity
η	Viscosity
F	Faraday constant
G	Gibbs energy
h	Planck's constant
H	Enthalpy
i	Electrical current (current intensity)
i_{lim}	Limiting current
i_{max}	Maximum current
i_p	Peak current
i_{pa}	Anodic peak current
i_{pc}	Cathodic peak current
I	Light intensity
J	Flux
k	Reaction rate constant
k_{cat}	Catalytic constant
k_{ET}	Electron transfer rate constant
K	Kelvin, temperature unit
K_a	Acid dissociation constant
K_A	Association constant for complexation reactions
K_D	Dissociation constant for complexation reactions
K_{eq}	Equilibrium constant
K_M	Michaelis–Menten constant
l	Light path length

\ln	Natural logarithm
\log	Base-ten logarithm
λ	Wavelength
λ_{\max}	Wavelength of maximum absorption
m	Mass
M	Molar (mol L^{-1})
μ_{ep}	Electrophoretic mobility
μ_{q}	Quartz crystal shear modulus
ν	Wave frequency
ν_{EM}	Frequency of emission photon
ν_{EX}	Frequency of excitation photon
q	Ionic charge
Q	Electrical charge
r	Radius
R	Ideal gas constant
RU	Response unit
ρ	Density
S	Entropy
S/N	Signal-to-noise ratio
t	Time
T	Temperature
T_{m}	Melting temperature
v	Reaction rate or (in electrochemistry) potential scan rate
v_{\max}	Maximum reaction rate
V	Volt, electrical potential unit