

chemical diffusion

Diffusion under the influence of a gradient in chemical composition. In concentrated solid solutions, e.g. $A_{1-x}B_x$, or in diffusion couples, the motion of one constituent causes a counterflow of the other constituent(s) or vacancies. In this case one can define a diffusion coefficient for the intermixing, which is called the chemical diffusion coefficient or interdiffusion coefficient.

Source:

PAC, 1999, 71, 1307 (*Definitions of Terms for Diffusion in the Solid State*) on page 1310