

heterolytic dissociative adsorption

Relates in the usual sense to the formal nature of the cleavage of a single bond. If in the bond of the adsorptive A:B, A or B retains the electron pair, the adsorption is heterolytic dissociative adsorption.

Source:

PAC, 1976, 46, 71 (*Manual of Symbols and Terminology for Physicochemical Quantities and Units - Appendix II. Definitions, Terminology and Symbols in Colloid and Surface Chemistry. Part II: Heterogeneous Catalysis*) on page 76