

Surface Induced Selectivity in Chemical Reactions

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Site-selective activation and functionalization of molecules is crucial for chemical synthesis and still remain highly challenging despite of tremendous efforts and development. Based on the spatial confinement and different adsorption sites, clean surface may provide extraordinary solutions and approaches for controlling the selective activation of chemical groups and thus the following reactions. Herein we will address this important and challenging topic with several concrete examples and give the perspectives for the further works.