



Linear relationship between the amount of exposed Cu⁰ species and the 1,3-butanediol overall reaction rate on ZCuMgAl, 9.8CuMg, 6.4CuAl, MgO and Al₂O₃ catalysts [$T = 523\text{K}$; $\bar{P}_{BDO} = 2.33\text{kPa}$]