

Special Issue

Catalysts for Selective Catalytic Reduction (SCR) and Related Reactions

Message from the Guest Editors

This is a Special Issue on “Catalysts for Selective Catalytic Reduction (SCR) and Related Reactions”, including selective catalytic reduction of NO_x, passive NO_x adsorption (PNA), NO oxidation, and selective catalytic oxidation of ammonia (NH₃-SCO). This call includes both experimental results and computational calculations. We are interested in but not limited to the study of SCR activity and stability of catalysts via optimizing zeolites and mixed oxide-based catalysts. Particular focus is on the discovery of novel PNA and AdSCR catalysts to address issues related to NO_x emission from diesel engines during the cold-start period. From a theoretical point of view, we highly encourage submissions that involve quantum theory in atoms and molecules to illustrate the microstructure of active sites over catalysts for SCR and related reactions.

Guest Editors

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Deadline for manuscript submissions

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