

Appendix

Oscillatory Heterogeneous Catalytic Systems¹

Reaction	Catalyst
CO + O ₂	Pt [1,2], Pd [3], Ir [3], Rh [4], Ru [5]
H ₂ + O ₂	Ni [6], Pt [7], Pd [8], Rh [9]
CO + NO	Pt [10], Pd [11], Rh [12]
NO + H ₂	Pt [13,14], Rh [15], Ir [16]
NO + NH ₃	Pt [17], Rh [18]
NH ₃ + O ₂	PtRh [19], Pt [20]
CH ₄ + O ₂	La ₂ O ₃ -BaO-MgO [21], Pd [22], Ni [23], Co [24]
C ₂ H ₄ + O ₂	Pt [25], Ag [26], Rh [27]
C ₂ H ₄ + O ₂ + NO	Pt-ZSM-5 [28]
C ₃ H ₈ + O ₂	Ni [29]
C ₃ H ₈ + NO	HZSM-5 [30]
C ₃ H ₆ + O ₂	Pt [31], Ag [32], CuO [33]
C ₃ H ₆ + N ₂ O	Pt [34]
C ₆ H ₆ + O ₂	Pd [35]
C ₆ H ₅ CH ₃ + O ₂	NaX [36]
C ₆ H ₁₂ (hexene-1) + O ₂	Pd [37]
C ₆ H ₁₂ + O ₂	NaY [38], NaX [39], KY [40]

Reaction	Catalyst
C ₆ H ₁₄ + O ₂	Pd [41]
C ₈ H ₁₈ + O ₂	Co ₂ O ₃ .Cr ₂ O ₃ [42]
(CH ₃)C ₆ H ₄ + O ₂	Pd [43]
CH ₃ OH + O ₂	Pd [44], Cu [45]
C ₂ H ₅ OH + O ₂	Pd [46], V ₂ O ₅ [47]
HCOOH + O ₂	Pd [48]
C ₂ H ₄ O + O ₂	Ag[49]
C ₃ H ₆ O + O ₂	Ag[50]
CO + H ₂	Fe-ZSM-5 [51], Co-ZSM-5 [51], Fe [52], Pd [53]
C ₂ H ₄ + H ₂	Pt [54], Ni [55]
N ₂ O decomposition	Cu-ZSM-5 [56], Rh/ZrO ₂ -Nd ₂ O ₃ [57] Fe/MFI [58]
N ₂ O + H ₂	Ir [59],
N ₂ O + CO	Pt [60]
NO ₂ + H ₂	Pt [61]
CH ₃ NH ₂ decomposition	Pt [62], Rh [62], Ir [62],
PhNO ₂ + H ₂	Cu [63], Ni [63]

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¹ The Quotations refer to the first reference, where oscillatory behavior was detected

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