

Oxidative dehydrogenation of propane with nitrous oxide over Fe-MFI prepared by ion-exchange: Effect of acid post-treatments

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Table S1 Physicochemical properties of Fe-zeolite samples under study

Fe-zeolite	Zeolite host	Si/Al ^a	Fe (%)	Fe/Al ^a	S _{BET} (m ² /g)
Fe-FAU	H-USY	11.9	1.82	0.23	502
Fe-MOR	H-Modenite	12.5	1.59	0.21	368
Fe-BEA	H-Beta	13.4	1.96	0.26	497
Fe-FER	H-ZSM-35	13.6	1.44	0.20	361
Fe-MFI	H-ZSM-5	12.5	1.67	0.22	406

^a molar ratio

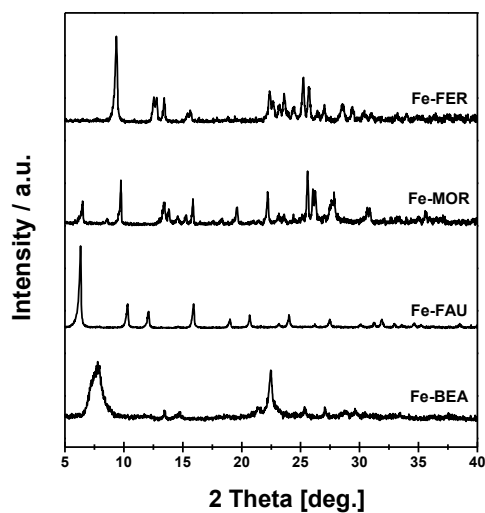


Figure S1 XRD patterns of Fe-zeolites employed in this study

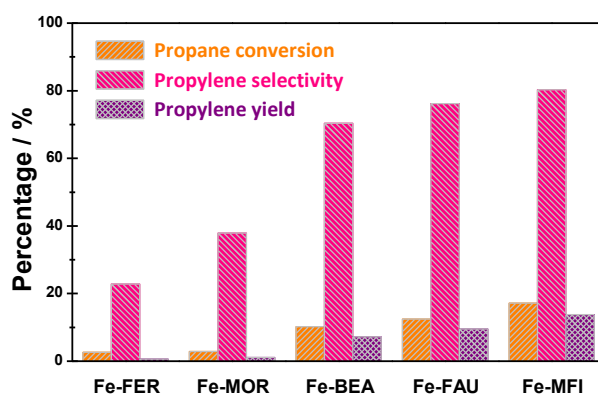


Figure S2 ODHP with nitrous oxide catalyzed by different Fe-zeolites at 673 K

Reaction conditions: 7.5% C₃H₈, 15% N₂O and He balance; GHSV = 15, 000 h⁻¹