

Formation and Reactions of NH_4NO_3
Steady-State NH_3 -SCR of NO_x
Spectroscopic and Theoretical Studies

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Controlling Catalytic Selectivity Mediated by Stabilization of Reactive Intermediates in Small-Pore Environments: A Study of Mn/TiO ₂ in the NH ₃ -SCR Reaction. ACS Catalysis, 2020, 10, 12017-12030.	5.5	40
2	Structural parameters governing low temperature activity of small pore copper zeolites in NH ₃ -SCR. Journal of Catalysis, 2020, 390, 224-236.	3.1	21
3	Distinct NO ₂ Effects on Cu-SSZ-13 and Cu-SSZ-39 in the Selective Catalytic Reduction of NO _x with NH ₃ . Environmental Science & Technology, 2020, 54, 15499-15506.	4.6	48
4	Promoting Effect of Mn on In Situ Synthesized Cu-SSZ-13 for NH ₃ -SCR. Catalysts, 2020, 10, 1375.	1.6	12
5	The Synthesis of YNU-5 Zeolite and Its Application to the Catalysis in the Dimethyl Ether-to-Olefin Reaction. Materials, 2020, 13, 2030.	1.3	11
6	Fe-Doped Mn ₃ O ₄ Spinel Nanoparticles with Highly Exposed Fe _{oct} and Mn _{tet} Sites for Efficient Selective Catalytic Reduction (SCR) of NO with Ammonia at Low Temperatures. ACS Catalysis, 2020, 10, 6803-6809.	5.5	82
7	Understanding the nature of NH ₃ -coordinated active sites and the complete reaction schemes for NH ₃ -SCR using Cu-SAPO-34 catalysts. Physical Chemistry Chemical Physics, 2021, 23, 4700-4710.	1.3	8
8	Selective catalytic reduction of NO with NH ₃ over Cu-exchanged CHA, GME, and AFX zeolites: a density functional theory study. Catalysis Science and Technology, 2021, 11, 1780-1790.	2.1	12
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11	In Situ/Operando IR and Theoretical Studies on the Mechanism of NH ₃ -SCR of NO/NO ₂ over H ₂ CHA Zeolites. Journal of Physical Chemistry C, 2021, 125, 13889-13899.	1.5	23
12	Direct catalytic nitrogen oxide removal using thermal, electrical or solar energy. Chinese Chemical Letters, 2022, 33, 1117-1130.	4.8	8
13	N ₂ O Formation Mechanism During Low-Temperature NH ₃ -SCR over Cu-SSZ-13 Catalysts with Different Cu Loadings. Industrial & Engineering Chemistry Research, 2021, 60, 10083-10093.	1.8	29
14	Facet-dependent catalytic activity of anatase TiO ₂ for the selective catalytic reduction of NO with NH ₃ : A dispersion-corrected density functional theory study. Applied Catalysis A: General, 2021, 623, 118250.	2.2	9
15	Synthesis and characterization of nano-hydroxyapatite added with magnesium obtained by wet chemical precipitation. Progress in Natural Science: Materials International, 2021, 31, 575-582.	1.8	27
16	Influence of ZCuOH, Z ₂ Cu, and Extraframework Cu _x O _y Species in Cu-SSZ-13 on N ₂ O Formation during the Selective Catalytic Reduction of NO _x with NH ₃ . ACS Catalysis, 2021, 11, 10362-10376.	5.5	18
17	Mechanism of NH ₃ -Selective Catalytic Reduction (SCR) of NO/NO ₂ (Fast SCR) over Cu-CHA Zeolites Studied by In Situ/Operando Infrared Spectroscopy and Density Functional Theory. Journal of Physical Chemistry C, 2021, 125, 21975-21987.	1.5	21
18	Reaction Analysis and Modeling of Fast SCR in a Cu-Chabazite SCR Catalyst Considering Generation and Decomposition of Ammonium Nitrate. , 0, , .		0

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20	Unexpected increase in low-temperature NH ₃ -SCR catalytic activity over Cu-SSZ-39 after hydrothermal aging. Applied Catalysis B: Environmental, 2021, 294, 120237.	10.8	40
21	Microkinetic study of NO oxidation, standard and fast NH ₃ -SCR on CeWO at low temperatures. Chemical Engineering Journal, 2021, 423, 130128.	6.6	34
22	Lean NO _x Capture and Reduction by NH ₃ via NO _x Intermediates over H-CHA at Room Temperature. Journal of Physical Chemistry C, 2021, 125, 1913-1922.	1.5	15
23	Hydrothermal aging alleviates the inhibition effects of NO ₂ on Cu-SSZ-13 for NH ₃ -SCR. Applied Catalysis B: Environmental, 2020, 275, 119105.	10.8	71
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26	Catalytic performance over Mn-Ce catalysts for NH ₃ -SCR of NO at low temperature: Different zeolite supports. Journal of Environmental Chemical Engineering, 2022, 10, 107167.	3.3	48
27	Contrasting Catalytic Functions of Metal Vanadates and Their Oxide Composite Analogues for NH ₃ -Assisted, Selective NO _x Transformation. Chemistry of Materials, 2022, 34, 1078-1097.	3.2	10
28	Understanding the dual-acting of iron and sulfur dioxide over Mn-Fe/AC catalysts for low-temperature SCR of NO. Molecular Catalysis, 2022, 519, 112150.	1.0	14
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35	Understanding the Water Effect for Selective Catalytic Reduction of NO _x with NH ₃ over Cu-SSZ-13 Catalysts. ACS ES&T Engineering, 2022, 2, 1684-1696.	3.7	7
36	Steady-state kinetic modeling of NH ₃ -SCR by monolithic Cu-CHA catalysts. Catalysis Today, 2023, 411-412, 113797.	2.2	2

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37	Computational Screening and Synthesis of M (M = Mo and Cu)-Doped CeO ₂ /silicalite-1 for Medium-/Low-Temperature NH ₃ -SCR. Industrial & Engineering Chemistry Research, 2022, 61, 10091-10105.	1.8	8
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39	<i>In Situ/Operando</i> Spectroscopic Studies on the NH ₃ -SCR Mechanism over Fe-Zeolites. ACS Catalysis, 2022, 12, 9983-9993.	5.5	14
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50	Unraveling the influence of the topological structure and protonation of zeolites on the adsorption of nitrogen-containing waste gas. Chemical Engineering Science, 2023, 269, 118492.	1.9	3
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