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Chemical and mechanistic aspects of the selective catalytic reduction of NO by ammonia over oxide catalysts: A review

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#	Paper	IF	Citations
1862	.		
1861	Design and Synthesis of Highly-Dispersed WO <sub>3</sub> Catalyst with Highly Effective NH <sub>3</sub> SCR Activity for NO <sub>x</sub> Abatement.		
1860	Promoter rather than Inhibitor: Phosphorus Incorporation Accelerates the Activity of V <sub>2</sub> O <sub>5</sub> WO <sub>3</sub> /TiO <sub>2</sub> Catalyst for Selective Catalytic Reduction of NO <sub>x</sub> by NH <sub>3</sub> .		
1859	Evaluation of V <sub>2</sub> O <sub>5</sub> WO <sub>3</sub> /TiO <sub>2</sub> and alternative SCR catalysts in the abatement of VOCs. <b>1999</b> , 53, 525-533		49
1858	Kinetics of the Selective Reduction of NO with NH <sub>3</sub> over a V <sub>2</sub> O <sub>5</sub> (WO <sub>3</sub> )/TiO <sub>2</sub> Commercial SCR Catalyst. <b>1999</b> , 185, 106-113		47
1857	Characterization and Reactivity of V <sub>2</sub> O <sub>5</sub> MoO <sub>3</sub> /TiO <sub>2</sub> De-NO <sub>x</sub> SCR Catalysts. <b>1999</b> , 187, 419-435		288
1856	Catalytic Performance of Fe-ZSM-5 Catalysts for Selective Catalytic Reduction of Nitric Oxide by Ammonia. <b>1999</b> , 188, 332-339		146
1855	Effect of water on the reduction of NO <sub>x</sub> with propane on Fe-ZSM-5. An FTIR mechanistic study. <b>1999</b> , 62, 35-40		79
1854	Acid- and base-treated Fe <sup>3+</sup> -TiO <sub>2</sub> -pillared clays for selective catalytic reduction of NO by NH <sub>3</sub> . <b>1999</b> , 59, 39-44		28
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1851	SCR of NO by NH <sub>3</sub> over TiO <sub>2</sub> -supported V <sub>2</sub> O <sub>5</sub> MoO <sub>3</sub> catalysts: reactivity and redox behavior. <i>Applied Catalysis B: Environmental</i> , <b>1999</b> , 22, 63-77	21.8	159
1850	A study of anatase-supported Mn oxide as catalysts for 2-propanol oxidation. <i>Applied Catalysis B: Environmental</i> , <b>1999</b> , 22, 249-259	21.8	82
1849	Vanadia grafted on TiO <sub>2</sub> /SiO <sub>2</sub> , TiO <sub>2</sub> and SiO <sub>2</sub> aerogels: Structural properties and catalytic behaviour in selective reduction of NO by NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>1999</b> , 23, 187-203	21.8	86
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1839	Vanadia and tungsta grafted on TiO <sub>2</sub> : influence of the grafting sequence on structural and chemical properties. <b>2000</b> , 198, 155-169	37
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1836	The promoting role of rare earth oxides on Fe-exchanged TiO <sub>2</sub> -pillared clay for selective catalytic reduction of nitric oxide by ammonia. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 27, 87-95	21.8 76
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1833	An FT-IR study of the adsorption of urea and ammonia over V <sub>2</sub> O <sub>5</sub> /MoO <sub>3</sub> /TiO <sub>2</sub> SCR catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 27, L145-L151	21.8 203
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1831	Selective catalytic reduction of NO with ammonia over V <sub>2</sub> O <sub>5</sub> doped TiO <sub>2</sub> pillared clay catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 24, 13-21	21.8 86
1830	Influence of co-cations in the selective catalytic reduction of NO by NH <sub>3</sub> over copper exchanged faujasite zeolites. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 25, 1-9	21.8 54
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1828	FTIR and Kinetic Studies of the Mechanism of Fe <sup>3+</sup> -Exchanged TiO <sub>2</sub> -Pillared Clay Catalyst for Selective Catalytic Reduction of NO with Ammonia. <b>2000</b> , 190, 22-31	112

1827	Characterization of Fe-ZSM-5 Catalyst for Selective Catalytic Reduction of Nitric Oxide by Ammonia. <b>2000</b> , 194, 80-90	162
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1824	Selective catalytic reduction (SCR) of NO by NH <sub>3</sub> over TiO <sub>2</sub> -supported V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> and V <sub>2</sub> O <sub>5</sub> /MoO <sub>3</sub> catalysts. <b>2000</b> , 11/12, 111-122	118
1823	On the chemistry of ammonia over oxide catalysts: Fourier transform infrared study of ammonia, hydrazine and hydroxylamine adsorption over iron-titania catalyst. <b>2000</b> , 11/12, 161-166	28
1822	Evolution of Ti <sub>5</sub> n-rutile-supported V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> catalyst during its use in nitric oxide reduction by ammonia. <b>2000</b> , 11/12, 131-138	11
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1819	Identification of Neutral and Charged N x O y Surface Species by IR Spectroscopy. <b>2000</b> , 42, 71-144	1147
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1817	Infrared and TPD Studies of Nitrates Adsorbed on Tb <sub>4</sub> O <sub>7</sub> , La <sub>2</sub> O <sub>3</sub> , BaO, and MgO/Al <sub>2</sub> O <sub>3</sub> . <b>2000</b> , 104, 4673-4683	64
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1791	Selective catalytic reduction of NO by propane on copper containing alumina pillared zirconium phosphates. <i>Applied Catalysis B: Environmental</i> , <b>2001</b> , 29, 1-11	21.8	26
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1748	Low-temperature selective catalytic reduction of NO with NH <sub>3</sub> over iron and manganese oxides supported on titania. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 44, 217-225	21.8	457
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1728	MnO <sub>x</sub> -CeO <sub>2</sub> mixed oxides prepared by co-precipitation for selective catalytic reduction of NO with NH <sub>3</sub> at low temperatures. <i>Applied Catalysis B: Environmental</i> , <b>2004</b> , 51, 93-106	21.8	841
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1680	In situ sulphated CuO <sub>x</sub> /ZrO <sub>2</sub> and CuO <sub>x</sub> /sulphated-ZrO <sub>2</sub> as catalysts for the reduction of NO <sub>x</sub> with NH <sub>3</sub> in the presence of excess O <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2005</b> , 60, 83-92	21.8	30
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1655	A novel laboratory bench for practical evaluation of catalysts useful for simultaneous conversion of NO <sub>x</sub> and soot in diesel exhaust. <b>2006</b> , 45, 1065-1073	20
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1642	Soot oxidation over NO <sub>x</sub> storage catalysts: Activity and deactivation. <b>2006</b> , 114, 48-56		55
1641	Inhibition effect of H <sub>2</sub> O on V <sub>2</sub> O <sub>5</sub> /AC catalyst for catalytic reduction of NO with NH <sub>3</sub> at low temperature. <i>Applied Catalysis B: Environmental</i> , <b>2006</b> , 63, 260-265	21.8	70
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1634	Total NO <sub>x</sub> Sensing Elements with Compositionally Identical Oxide Electrodes. <b>2006</b> , 153, H23		10
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1629	Synthesis, characterization, thermal stability and redox behavior of $\text{In}_3+2\text{Ti}_4+1\text{M}_3+\text{xO}_5$ ( $\text{M} = \text{Fe}^{3+}$ and $\text{Cr}^{3+}$ , 0.0 $\leq \text{x} \leq 0.2$ ) mixed-oxide catalysts. <b>2007</b> , 22, 1787-1796		11
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1626	Acid catalysts in industrial hydrocarbon chemistry. <b>2007</b> , 107, 5366-410		511
1625	Hot Gas Removal of Tars, Ammonia, and Hydrogen Sulfide from Biomass Gasification Gas. <b>2007</b> , 49, 407-456		305
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1622	Characterization of Cr/MCM-41 and Al,Cr/MCM-41 Mesoporous Catalysts for Gas-Phase Oxidative Dehydrogenation of Cyclohexane. <b>2007</b> , 111, 1830-1839		38
1621	Influence of NO on the Reduction of NO2 with CO over Pt/SiO2 in the Presence of O2. <b>2007</b> , 25, 435-438		8
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1616	Manganese oxide catalysts for NOx reduction with NH3 at low temperatures. <b>2007</b> , 327, 261-269		652
1615	Synthesis and catalytic property of a Co2+-exchanged Beta/Y composite for the selective catalytic reduction of NO by CH4 in the presence of excess oxygen. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 76, 174-184	21.8	21
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1612	Promoting selectivity and sensitivity for a high temperature YSZ-based electrochemical total NOx sensor by using a Pt-loaded zeolite Y filter. <b>2007</b> , 125, 30-39		37



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1606	Selective destruction of nitrogen-containing organic volatile compounds over Sb <sub>2</sub> WO <sub>6</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 71, 85-93	21.8	12
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1602	Visible Light Absorbed NH <sub>2</sub> Species Derived from NH <sub>3</sub> Adsorbed on TiO <sub>2</sub> for Photoassisted Selective Catalytic Reduction. <b>2007</b> , 111, 14189-14197		45
1601	Chemistry of and on TiO <sub>2</sub> -anatase surfaces by DFT calculations: a partial review. <b>2007</b> , 117, 663-671		219
1600	A Theoretical Study of 51V Electric Field Gradient Tensors in Pyrovanadates and Metavanadates. <b>2007</b> , 32, 691-708		12
1599	Simultaneous removal of SO <sub>2</sub> and NO by low cost sorbent-catalysts prepared by lime, fly ash and industrial waste materials. <b>2007</b> , 24, 1113-1117		18
1598	Structural sensitivity of NO decomposition over a V-O-W/Ti(Sn)O <sub>2</sub> catalyst. <b>2007</b> , 119, 199-203		12
1597	Selective Catalytic Reduction of Nitric Oxide with Ammonia over ZSM-5 Based Catalysts for Diesel Engine Applications. <b>2008</b> , 121, 111-117		35
1596	Selective Reduction of NO with CO Over Titania Supported Transition Metal Oxide Catalysts. <b>2008</b> , 122, 37-42		79
1595	Catalytic activity of CuO-loaded TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> for NO Reduction by CO. <b>2008</b> , 43, 6505-6512		12
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1592	Dynamic methods for catalytic kinetics. <b>2008</b> , 342, 3-28		86
1591	Chemical deactivation of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> SCR catalysts by additives and impurities from fuels, lubrication oils and urea solution. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 77, 228-236	21.8	219
1590	Co/KxTi <sub>2</sub> O <sub>5</sub> catalysts prepared by ion exchange method for NO oxidation to NO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 79, 101-107	21.8	40
1589	Selective catalytic reduction of NO with C <sub>1</sub> H <sub>3</sub> reductants over solvothermally prepared Ga <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts: Effects of water vapor and hydrocarbon uptake. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 84, 289-296	21.8	21
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1587	Vanadium-loaded carbon-based monoliths for on-board NO reduction: Influence of nature and concentration of the oxidation agent on activity. <b>2008</b> , 137, 222-227		15
1586	EPR studies on NO interaction with MoO <sub>x</sub> /t-ZrO <sub>2</sub> catalysts obtained by slurry deposition. <b>2008</b> , 137, 283-287		3
1585	A study of the mechanisms of NO reduction over vanadium loaded activated carbon catalysts. <b>2008</b> , 144, 10-20		39
1584	Vanadium-loaded carbon-based monoliths for the on-board NO reduction: Experimental study of operating conditions. <b>2008</b> , 144, 343-351		24
1583	Co <sub>3</sub> O <sub>4</sub> based catalysts for NO oxidation and NO <sub>x</sub> reduction in fast SCR process. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 78, 267-274	21.8	184
1582	Promotion effect of tungsten oxide on photo-assisted selective catalytic reduction of NO with NH <sub>3</sub> over TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 83, 123-130	21.8	41
1581	The formation of N <sub>2</sub> O during the reduction of NO by NH <sub>3</sub> . <b>2008</b> , 87, 3271-3277		23
1580	SO <sub>2</sub> and NO removal from flue gas over V <sub>2</sub> O <sub>5</sub> /AC at lower temperatures [Role of V <sub>2</sub> O <sub>5</sub> on SO <sub>2</sub> removal. <b>2008</b> , 89, 242-248		67
1579	Effect of silica wall microporosity on the state and performance of TiO <sub>2</sub> nanocrystals in SBA-15 matrix. <b>2008</b> , 116, 237-245		15
1578	Metal oxide promoted TiO <sub>2</sub> catalysts for photo-assisted selective catalytic reduction of NO with NH <sub>3</sub> . <b>2008</b> , 34, 487-494		17
1577	Novel iron titanate catalyst for the selective catalytic reduction of NO with NH <sub>3</sub> in the medium temperature range. <b>2008</b> , 2043-5		125
1576	Development of silica/vanadia/titania catalysts for removal of elemental mercury from coal-combustion flue gas. <b>2008</b> , 42, 5304-9		185

1575	MnOx-SnO <sub>2</sub> Catalysts Synthesized by a Redox Coprecipitation Method for Selective Catalytic Reduction of NO by NH <sub>3</sub> . <b>2008</b> , 29, 531-536	26
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1573	Kinetic modeling of the oxidation of CO on Fe <sub>2</sub> O <sub>3</sub> catalyst in excess of O <sub>2</sub> . <b>2008</b> , 260, 305-314	48
1572	Kinetics of Selective Catalytic NO <sub>x</sub> Reduction in a Novel Gas-Particle Filter Reactor (Catalytic Filter Element and Sponge Insert). <b>2008</b> , 47, 1435-1442	9
1571	Selective catalytic reduction of NO by NH <sub>3</sub> over a Ce/TiO <sub>2</sub> catalyst. <b>2008</b> , 9, 1453-1457	279
1570	Equilibrium and Kinetic Studies on the Hydrolysis of Urea for Ammonia Generation in a Semibatch Reactor. <b>2008</b> , 47, 4689-4696	31
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1568	The State of the Art in Selective Catalytic Reduction of NO <sub>x</sub> by Ammonia Using Metal-Exchanged Zeolite Catalysts. <b>2008</b> , 50, 492-531	680
1567	Manganese Oxide/Titania Materials for Removal of NO <sub>x</sub> and Elemental Mercury from Flue Gas. <b>2008</b> , 22, 2299-2306	139
1566	Mercury Oxidation over the V <sub>2</sub> O <sub>5</sub> (WO <sub>3</sub> )/TiO <sub>2</sub> Commercial SCR Catalyst. <b>2008</b> , 47, 8136-8141	131
1565	Low-Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> over Ti <sub>0.9</sub> M <sub>0.1</sub> O <sub>2</sub> (M = Cr, Mn, Fe, Co, Cu). <b>2008</b> , 112, 6002-6012	208
1564	Vanadium supported on sulfated Ti-pillared clay catalysts: Effect of the amount of vanadium on SCR-NO by NH <sub>3</sub> activity. <b>2008</b> , 1263-1266	5
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1561	Genetic Algorithm based Automated Calibration Tool for Numerical Selective Catalytic Reduction (SCR) Models. <b>2009</b> , 2, 568-577	1
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1559	SELECTIVE CATALYTIC REDUCTION OF NITRIC OXIDE WITH AMMONIA OVER SILICA-SUPPORTED VANADIUM OXIDE CATALYST. <b>2009</b> , 196, 1090-1101	1
1558	Unifying redox kinetics for standard and fast NH <sub>3</sub> -SCR over a V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalyst. <b>2009</b> , 55, 1514-1529	53

1557	Selective mixed potential ammonia exhaust gas sensor. <b>2009</b> , 140, 585-590	88
1556	Surface science studies of selective catalytic reduction of NO: Progress in the last ten years. <b>2009</b> , 603, 1740-1750	81
1555	NH <sub>3</sub> -SCR on Fe zeolite catalysts [From model setup to NH <sub>3</sub> dosing. <b>2009</b> , 154, 333-340	64
1554	Seed-assisted sol-gel synthesis and characterization of nanoparticulate V <sub>2</sub> O <sub>5</sub> /anatase. <b>2009</b> , 44, 323-327	7
1553	Thermal degradation of iron chelate complexes adsorbed on mesoporous silica and alumina. <b>2009</b> , 95, 445-454	22
1552	The Effect of Acidic and Redox Properties of V <sub>2</sub> O <sub>5</sub> /CeO <sub>2</sub> -ZrO <sub>2</sub> Catalysts in Selective Catalytic Reduction of NO by NH <sub>3</sub> . <b>2009</b> , 133, 370-375	24
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1550	Electronic Structure of Unsaturated V <sub>2</sub> O <sub>5</sub> (001) and (100) Surfaces: Ab Initio Density Functional Theory Studies. <b>2009</b> , 52, 1105-1115	16
1549	Decomposition of Urea in the SCR Process: Combination of DFT Calculations and Experimental Results on the Catalytic Hydrolysis of Isocyanic Acid on TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> . <b>2009</b> , 52, 1740-1745	14
1548	Selective catalytic oxidation of H <sub>2</sub> S using nonhydrolytic vanadia-titania xerogels. <b>2009</b> , 26, 377-381	14
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1543	The control of valence state: how V/TiO <sub>2</sub> catalyst is hindering the deactivation using the mechanochemical method. <b>2009</b> , 165, 39-47	24
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1541	In situ infrared study of NO reduction over Pd/Al <sub>2</sub> O <sub>3</sub> and Ag-Pd/Al <sub>2</sub> O <sub>3</sub> catalysts under H <sub>2</sub> -rich and lean-burn conditions. <b>2009</b> , 40, 613-621	14
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1536	Ceramic foams as structured catalyst inserts in gas-particle filters for gas reactions: Effect of backmixing. <b>2009</b> , 357, 85-92		20
1535	Simulation of SCR equipped vehicles using iron-zeolite catalysts. <b>2009</b> , 366, 13-21		7
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1532	In-situ catalytic synthesis of ammonia from urea in a semi-batch reactor for safe utilization in thermal power plant. <b>2009</b> , 5, 533-543		4
1531	Density Functional Theory Study of the Oxidation of Ammonia on RuO <sub>2</sub> (110) Surface. <b>2009</b> , 113, 17411-17417		22
1530	DFT Study of NH <sub>x</sub> (x = 1-3) Adsorption on RuO <sub>2</sub> (110) Surfaces. <b>2009</b> , 113, 2816-2821		22
1529	Characterization of Supported Vanadium Oxide Species on Silica: A Periodic DFT Investigation. <b>2009</b> , 113, 10740-10746		69
1528	Bases and Basic Materials in Industrial and Environmental Chemistry: A Review of Commercial Processes. <b>2009</b> , 48, 6486-6511		51
1527	Deactivation of a Ce/TiO <sub>2</sub> Catalyst by SO <sub>2</sub> in the Selective Catalytic Reduction of NO by NH <sub>3</sub> . <b>2009</b> , 113, 4426-4432		327
1526	Selective Catalytic Reduction of NO by NH <sub>3</sub> in Flue Gases over a Cu-V/Al <sub>2</sub> O <sub>3</sub> Catalyst at Low Temperature. <b>2009</b> , 26, 1429-1434		5
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1524	Pore design of pelletised VOX/ZrO <sub>2</sub> -SO <sub>4</sub> /Sepiolite composite catalysts. <b>2010</b> , 739-742		1
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1522	New Enhanced NH <sub>3</sub> -SCR Reaction for NO <sub>x</sub> Emission Control. <b>2010</b> , 49, 10386-10391		59

1521	Vanadium loaded carbon-based monoliths for the on-board no reduction: Influence of temperature and period of the oxidation treatment. <b>2010</b> , 160, 623-633		11
1520	SO <sub>2</sub> durability enhancement of ball milled V/TiO <sub>2</sub> catalyst. <b>2010</b> , 16, 283-287		15
1519	Numerical simulation and experimental verification of chemical reactions for SCR DeNO <sub>x</sub> . <b>2010</b> , 4, 523-528		6
1518	Synthesis and Dispersion of Dendrimer-Encapsulated Pt Nanoparticles on $\gamma$ -Al <sub>2</sub> O <sub>3</sub> for the Reduction of NO <sub>x</sub> by Methane. <b>2010</b> , 136, 177-184		6
1517	Low temperature NH <sub>3</sub> -SCR reaction over MnO <sub>x</sub> supported on protonated titanate. <b>2010</b> , 101, 153-161		12
1516	Effect of SBA-15 microporosity on the inserted TiO <sub>2</sub> crystal size determined by Raman spectroscopy. <b>2010</b> , 122, 53-59		11
1515	Chemistry of O- and H-containing species on the (001) surface of anatase TiO <sub>2</sub> : a DFT study. <b>2010</b> , 11, 2375-82		31
1514	Environmental Catalysis: Stationary Sources. <b>2010</b> , 753-819		
1513	Low-Temperature De-NO <sub>x</sub> by Selective Catalytic Reduction Based on Iron-Based Catalysts. <b>2010</b> , 33, 1093-1098		55
1512	The impact of urea on the performance of metal-exchanged zeolites for the selective catalytic reduction of NO <sub>x</sub> Part II. Catalytic, FTIR, and NMR studies. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 97, 98-107	21.8	29
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1510	New approach to common removal of dioxins and NO <sub>x</sub> as a contribution to environmental protection. <b>2010</b> , 18, 881-888		51
1509	Statistical modelling and optimization of hydrolysis of urea to generate ammonia for flue gas conditioning. <b>2010</b> , 182, 603-10		50
1508	SBA-15 mesoporous silica modified with metal oxides by MDD method in the role of DeNO <sub>x</sub> catalysts. <b>2010</b> , 127, 133-141		50
1507	Recent developments in novel sorbents for flue gas clean up. <b>2010</b> , 91, 1175-1197		137
1506	A DFT study on the behavior of NO <sub>2</sub> in the selective catalytic reduction of nitric oxides with ammonia on a V <sub>2</sub> O <sub>5</sub> catalyst surface. <b>2010</b> , 317, 46-53		18
1505	Molecular and dissociative adsorption of water at low-index V <sub>2</sub> O <sub>5</sub> surfaces: DFT studies using cluster surface models. <b>2010</b> , 325, 98-104		16
1504	The poisoning effect of Na <sup>+</sup> and Ca <sup>2+</sup> ions doped on the V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts for selective catalytic reduction of NO by NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 94, 71-76	21.8	177

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1501	Enhanced activity of tungsten modified CeO <sub>2</sub> /TiO <sub>2</sub> for selective catalytic reduction of NO <sub>x</sub> with ammonia. <b>2010</b> , 153, 77-83		274
1500	Selective catalytic reduction of NO with NH <sub>3</sub> over manganese substituted iron titanate catalyst: Reaction mechanism and H <sub>2</sub> O/SO <sub>2</sub> inhibition mechanism study. <b>2010</b> , 153, 70-76		152
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1498	Magnetic field effects on selective catalytic reduction of NO by NH <sub>3</sub> over Fe <sub>2</sub> O <sub>3</sub> catalyst in a magnetically fluidized bed. <b>2010</b> , 35, 2295-2300		46
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1490	Experimental and theoretical studies of reactions of neutral vanadium and tantalum oxide clusters with NO and NH <sub>3</sub> . <b>2010</b> , 133, 1743-14		27
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1468	Quantitative chemical state analysis of supported vanadium oxide catalysts by high resolution vanadium K $\beta$ spectroscopy. <b>2011</b> , 83, 1681-7	10

1467	Dynamics of Hydration in Vanadia/Titania Catalysts at Low Loading: A Theoretical and Experimental Study. <b>2011</b> , 115, 24133-24142	24
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1460	Selective catalytic reduction of NO over carbon nanotubes supported CeO <sub>2</sub> . <b>2011</b> , 14, 1-5	63
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1458	Development and Validation of a Cu-Zeolite SCR Catalyst Model. <b>2011</b> ,	22
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1455	Promotion effect of tungsten oxide on SCR of NO with NH <sub>3</sub> for the V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /Ti <sub>0.5</sub> Sn <sub>0.5</sub> O <sub>2</sub> catalyst: Experiments combined with DFT calculations. <b>2011</b> , 346, 29-38	50
1454	Study of synthesis and catalytic property of WO <sub>3</sub> /TiO <sub>2</sub> catalysts for NO reduction at high temperatures. <b>2011</b> , 350, 35-39	28
1453	NO <sub>x</sub> storage and reduction over potassium titanate nanobelt-based catalyst with high storage capacity. <b>2011</b> , 280, 161-167	22
1452	Microkinetic modeling of the fast selective catalytic reduction of nitrogen oxide with ammonia on H-ZSM5 based on first principles. <b>2011</b> , 283, 178-191	19
1451	High performance vanadia/nitase nanoparticle catalysts for the Selective Catalytic Reduction of NO by ammonia. <b>2011</b> , 284, 60-67	69
1450	Redox behaviour of vanadium during hydrogen-oxygen exposure of the V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> SCR catalyst at 250°C. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 107, 340-346	21.8 21

1449	Low temperature selective catalytic reduction of NO with NH <sub>3</sub> over MnFe spinel: Performance, mechanism and kinetic study. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 110, 71-80	21.8	344
1448	Co-doping a metal (Cr, Fe, Co, Ni, Cu, Zn, Ce, and Zr) on Mn/TiO <sub>2</sub> catalyst and its effect on the selective reduction of NO with NH <sub>3</sub> at low-temperatures. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 110, 195-206	21.8	306
1447	The effect of zirconia and niobia supports on the catalytic activity of surface VO <sub>x</sub> species in total oxidation of model volatile organic compounds. <b>2011</b> , 176, 318-323		3
1446	Mechanism of the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over environmental-friendly iron titanate catalyst. <b>2011</b> , 175, 18-25		134
1445	Low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over metal oxide and zeolite catalysts: A review. <b>2011</b> , 175, 147-156		699
1444	Multidisciplinary determination of the phase distribution for VO <sub>x</sub> /ZrO <sub>2</sub> /BaO/Al <sub>2</sub> O <sub>3</sub> /zeolite catalysts for NH <sub>3</sub> -SCR. <b>2011</b> , 172, 73-77		8
1443	In situ DRIFTS study of NO reduction by NH <sub>3</sub> over Fe <sub>2</sub> O <sub>3</sub> /Mn/ZSM-5 catalysts. <b>2011</b> , 175, 157-163		125
1442	Experimental study of mass transfer limitations in Fe- and Cu-zeolite-based NH <sub>3</sub> -SCR monolithic catalysts. <b>2011</b> , 66, 5192-5203		67
1441	Flame Aerosol Synthesis of Metal Oxide Catalysts with Unprecedented Structural and Catalytic Properties. <b>2011</b> , 3, 1234-1256		59
1440	Monitoring the Ammonia Loading of Zeolite-Based Ammonia SCR Catalysts by a Microwave Method. <b>2011</b> , 34, 791-796		37
1439	Effects of NO, NO <sub>2</sub> , CO and SO <sub>2</sub> on NO oxidation over Pt/TiO <sub>2</sub> for hybrid fast SCR process. <b>2011</b> , 31, 4-10		7
1438	Effect of Nickel as Dopant in Mn/TiO <sub>2</sub> Catalysts for the Low-Temperature Selective Reduction of NO with NH <sub>3</sub> . <b>2011</b> , 141, 1399-1404		48
1437	CeO <sub>2</sub> /WO <sub>3</sub> Mixed Oxides for the Selective Catalytic Reduction of NO <sub>x</sub> by NH <sub>3</sub> Over a Wide Temperature Range. <b>2011</b> , 141, 1859-1864		123
1436	NO Reduction Over Noble Metal Ionic Catalysts. <b>2011</b> , 15, 181-199		25
1435	Methanol Adsorption on V <sub>2</sub> O <sub>3</sub> (0001). <b>2011</b> , 54, 669-684		18
1434	Alkali Resistant Fe-Zeolite Catalysts for SCR of NO with NH <sub>3</sub> in Flue Gases. <b>2011</b> , 54, 1286-1292		19
1433	A novel highly selective and stable Ag/MgO-CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst for the low-temperature ethanol-SCR of NO. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 107, 164-176	21.8	27
1432	Effects of water vapor, CO <sub>2</sub> and SO <sub>2</sub> on the NO reduction by NH <sub>3</sub> over sulfated CaO. <b>2011</b> , 28, 1785-1790		6

1431	An ONIOM and DFT study of water and ammonia adsorption on anatase TiO <sub>2</sub> (001) cluster. <b>2011</b> , 111, 2149-2159		12
1430	Influence of calcination temperature on iron titanate catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2011</b> , 164, 520-527		83
1429	Direct decomposition of NO over BaO/Y <sub>2</sub> O <sub>3</sub> catalyst. <b>2011</b> , 164, 484-488		15
1428	The poisoning effect of alkali metals doping over nano V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalysts on selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2011</b> , 170, 531-537		280
1427	Oxidation and capture of elemental mercury over SiO <sub>2</sub> /TiO <sub>2</sub> /V <sub>2</sub> O <sub>5</sub> catalysts in simulated low-rank coal combustion flue gas. <b>2011</b> , 169, 186-193		162
1426	Synthesis, characterization and catalytic activities of vanadium-doped manganite manganese oxides in low-temperature NO reduction with NH <sub>3</sub> . <b>2011</b> , 393, 323-330		73
1425	Selective catalytic reduction of NO with NH <sub>3</sub> on iron zeolite monolithic catalysts: Steady-state and transient kinetics. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 104, 110-126	21.8	132
1424	The effect of zirconia additive on the activity and structure stability of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> ammonia SCR catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 106, 359-369	21.8	79
1423	Catalytic activities of cobalt, nickel and copper ferrosinels for sulfuric acid decomposition: The high temperature step in the sulfur based thermochemical water splitting cycles. <b>2011</b> , 36, 4768-4780		77
1422	Surface structure sensitivity of manganese oxides for low-temperature selective catalytic reduction of NO with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 101, 598-605	21.8	107
1421	Influence of sulfation on iron titanate catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 103, 369-377	21.8	200
1420	Effect of hydrocarbon slip on NO removal activity of CuZSM5, FeZSM5 and V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts by NH <sub>3</sub> . <b>2011</b> , 141, 8-15		46
1419	Catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over different-shaped MnO <sub>2</sub> at low temperature. <b>2011</b> , 188, 105-9		165
1418	Structural characterization and catalytic properties of bis(1,1,3,3-tetramethylguanidinium) dichromate. <b>2011</b> , 30, 785-789		2
1417	Vanadia doped tungsten-titania SCR catalysts as functional materials for exhaust gas sensor applications. <b>2011</b> , 155, 199-205		17
1416	Investigation of the electrode effects in mixed potential type ammonia exhaust gas sensors. <b>2011</b> , 192, 38-41		37
1415	Oxidation of NO over Supported Cr-Ce Mixed Oxide Catalysts. <b>2011</b> , 28, 711-717		4
1414	Adsorption of NO (or NH <sub>3</sub> ) + O <sub>2</sub> over the Commercial SCR Catalyst Characterized by EPR. <b>2011</b> ,		

1413	A study on the reaction characteristics of vanadium-impregnated natural manganese oxide in ammonia selective catalytic reduction. <b>2011</b> , 61, 552-8	3
1412	Investigation of the Performance of V-W Based Catalysts at Low Temperature for NO <sub>x</sub> Reduction with NH <sub>3</sub> . <b>2011</b> , 197-198, 811-816	
1411	A Novel MnO <sub>x</sub> Supported Palygorskite SCR Catalyst for Lower Temperature NO Removal from Flue Gases. <b>2011</b> , 356-360, 974-979	1
1410	Hydrogen Lean-DeNO <sub>x</sub> as an Alternative to the Ammonia and Hydrocarbon Selective Catalytic Reduction (SCR). <b>2011</b> , 53, 91-151	59
1409	Application of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> for resistive-type SO <sub>2</sub> sensors. <b>2011</b> , 11, 2982-91	46
1408	The effects of manganese precursors on Mn-based/TiO <sub>2</sub> catalysts for catalytic reduction of NO with NH <sub>3</sub> . <b>2012</b> , 62, 271-7	8
1407	The Mo Loading Effect on Thermo Stability and SO <sub>2</sub> Oxidation of SCR Catalyst. <b>2012</b> , 573-574, 58-62	7
1406	Enhancement of activity and sulfur resistance of CeO <sub>2</sub> supported on TiO <sub>2</sub> -SiO <sub>2</sub> for the selective catalytic reduction of NO by NH <sub>3</sub> . <b>2012</b> , 46, 6182-9	203
1405	Energetic Driving Force of H Spillover between Rhodium and Titania Surfaces: A DFT View. <b>2012</b> , 116, 25362-25367	15
1404	Promotional effect of zirconium additives on Ti <sub>0.8</sub> Ce <sub>0.2</sub> O <sub>2</sub> for selective catalytic reduction of NO. <b>2012</b> , 2, 589-599	55
1403	Effects of WO <sub>x</sub> modification on the activity, adsorption and redox properties of CeO <sub>2</sub> catalyst for NO <sub>x</sub> reduction with ammonia. <b>2012</b> , 24, 1305-16	80
1402	Synergetic catalysis of ceria and titania for selective reduction of NO. <b>2012</b> , 30, 431-436	21
1401	The Influence of Alkali Metals on the Ce-Ti Mixed Oxide Catalyst for the Selective Catalytic Reduction of NO <sub>x</sub> . <b>2012</b> , 4, 2075-2081	50
1400	BiMnO <sub>3</sub> Perovskite Catalyst for Selective Catalytic Reduction of NO with NH <sub>3</sub> at Low Temperature. <b>2012</b> , 33, 1448-1454	8
1399	WO <sub>3</sub> Modification of MnO <sub>x</sub> /TiO <sub>2</sub> Catalysts for Low Temperature Selective Catalytic Reduction of NO with Ammonia. <b>2012</b> , 33, 1523-1531	20
1398	Effect of Dispersion State and Surface Properties of Supported Vanadia on the Activity of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> Catalysts for the Selective Catalytic Reduction of NO by NH <sub>3</sub> . <b>2012</b> , 33, 933-940	43
1397	Deactivation mechanism of potassium additives on Ti <sub>0.8</sub> Zr <sub>0.2</sub> Ce <sub>0.2</sub> O <sub>2.4</sub> for NH <sub>3</sub> -SCR of NO. <b>2012</b> , 2, 1806	35
1396	Thermal and photochemical reactions of NO <sub>2</sub> on chromium(III) oxide surfaces at atmospheric pressure. <b>2012</b> , 14, 15840-8	10

1395	Low absorption vitreous carbon reactors for operando XAS: a case study on Cu/Zeolites for selective catalytic reduction of NO(x) by NH <sub>3</sub> . <b>2012</b> , 14, 2229-38	104
1394	A novel co-precipitation method for preparation of Mn--Ce/TiO <sub>2</sub> composites for NO <sub>x</sub> reduction with NH <sub>3</sub> at low temperature. <b>2012</b> , 33, 2421-8	24
1393	Catalytic performance and hydrothermal durability of CeO <sub>2</sub> /V <sub>2</sub> O <sub>5</sub> /ZrO <sub>2</sub> /WO <sub>3</sub> /TiO <sub>2</sub> based NH <sub>3</sub> -SCR catalysts. <b>2012</b> , 2, 1386	62
1392	Monitoring catalysts at work in their final form: spectroscopic investigations on a monolithic catalyst. <b>2012</b> , 14, 2171-7	18
1391	Enhancement of Catalytic Activity Over the Iron-Modified Ce/TiO <sub>2</sub> Catalyst for Selective Catalytic Reduction of NO <sub>x</sub> with Ammonia. <b>2012</b> , 116, 25319-25327	160
1390	Effect of nitrogen-containing impurities on the activity of perovskitic catalysts for the catalytic combustion of methane. <b>2012</b> , 51, 11680-7	2
1389	Improvement of Water-, Sulfur Dioxide-, and Dust-Resistance in Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> Using a Wire-Mesh Honeycomb Catalyst. <b>2012</b> , 51, 7867-7873	10
1388	Design strategies for development of SCR catalyst: improvement of alkali poisoning resistance and novel regeneration method. <b>2012</b> , 46, 12623-9	101
1387	Unique Dynamic Changes of Fe Cationic Species under NH <sub>3</sub> -SCR Conditions. <b>2012</b> , 116, 5846-5856	22
1386	Propene poisoning on three typical Fe-zeolites for SCR of NO <sub>x</sub> with NH <sub>3</sub> from mechanism study to coating modified architecture. <b>2012</b> , 46, 1747-54	63
1385	A periodic DFT study of ammonia adsorption on the V <sub>2</sub> O <sub>5</sub> (001), V <sub>2</sub> O <sub>5</sub> (010) and V <sub>2</sub> O <sub>5</sub> (100) surfaces: Lewis versus Brønsted acid sites. <b>2012</b> , 606, 1739-1748	33
1384	Ce-Ti amorphous oxides for selective catalytic reduction of NO with NH <sub>3</sub> : confirmation of Ce-O-Ti active sites. <b>2012</b> , 46, 9600-5	298
1383	Advances in direct NO <sub>x</sub> decomposition catalysts. <b>2012</b> , 431-432, 1-8	92
1382	Investigations of surface VO <sub>x</sub> species and their contributions to activities of VO <sub>x</sub> /Ti <sub>0.5</sub> Sn <sub>0.5</sub> O <sub>2</sub> catalysts toward selective catalytic reduction of NO by NH <sub>3</sub> . <b>2012</b> , 431-432, 126-136	17
1381	Promotional effect of F-doped V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalyst for NH <sub>3</sub> -SCR of NO at low-temperature. <b>2012</b> , 435-436, 156-162	101
1380	Effect of H <sub>2</sub> O on catalytic performance of manganese oxides in NO reduction by NH <sub>3</sub> . <b>2012</b> , 437-438, 139-148	25
1379	Investigation of the selective catalytic reduction of nitric oxide with ammonia over Mn/TiO <sub>2</sub> catalysts through transient isotopic labeling and in situ FT-IR studies. <b>2012</b> , 292, 53-63	177
1378	Effect of Y doping on oxygen vacancies of TiO <sub>2</sub> supported MnOX for selective catalytic reduction of NO with NH <sub>3</sub> at low temperature. <b>2012</b> , 25, 7-11	54

1377	Effects of morphology and structure of titanate supports on the performance of ceria in selective catalytic reduction of NO. <b>2012</b> , 26, 178-182			36
1376	Effect of Sn on MnO <sub>x</sub> /CeO <sub>2</sub> catalyst for SCR of NO by ammonia: Enhancement of activity and remarkable resistance to SO <sub>2</sub> . <b>2012</b> , 27, 54-57			137
1375	A novel Nb <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalyst with high NH <sub>3</sub> -SCR activity and stability. <b>2012</b> , 27, 97-100			65
1374	Relations between iron sites and performance of Fe/HBEA catalysts prepared by two different methods for NH <sub>3</sub> -SCR. <b>2012</b> , 209, 652-660			40
1373	Systematic mechanism study of the high temperature SCR of NO by NH <sub>3</sub> over a W/TiO <sub>2</sub> catalyst. <b>2012</b> , 79, 177-185			42
1372	Influence of Ammonia on Properties of Nanocrystalline Barium Titanate Particles Prepared by a Hydrothermal Method. <b>2012</b> , 95, 2248-2253			18
1371	SO <sub>2</sub> poisoning and regeneration of Mn-Ce/TiO <sub>2</sub> catalyst for low temperature NO <sub>x</sub> reduction with NH <sub>3</sub> . <b>2012</b> , 30, 676-682			84
1370	H <sub>2</sub> Production with Low CO Selectivity from Photocatalytic Reforming of Glucose on Ni/TiO <sub>2</sub> -SiO <sub>2</sub> . <b>2012</b> , 33, 247-253			51
1369	Catalytic activities of Fe <sub>2</sub> O <sub>3</sub> and chromium doped Fe <sub>2</sub> O <sub>3</sub> for sulfuric acid decomposition reaction in an integrated boiler, preheater, and catalytic decomposer. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 127, 36-46	21.8		40
1368	Low-temperature selective catalytic reduction of NO with NH <sub>3</sub> over V/ZrO <sub>2</sub> prepared by flame-assisted spray pyrolysis: Structural and catalytic properties. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 127, 255-264	21.8		60
1367	The influence of silicon on the catalytic properties of Cu/SAPO-34 for NO <sub>x</sub> reduction by ammonia-SCR. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 127, 137-147	21.8		200
1366	Ethanol-selective catalytic reduction of NO by Ag/Al <sub>2</sub> O <sub>3</sub> catalysts: Activity and deactivation by alkali salts. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 127, 323-329	21.8		3
1365	Synergistic effect between ceria and tungsten oxide on WO <sub>3</sub> /CeO <sub>2</sub> /TiO <sub>2</sub> catalysts for NH <sub>3</sub> -SCR reaction. <b>2012</b> , 22, 265-272			55
1364	Low-temperature NO oxidation over Mn/TiO <sub>2</sub> nanocomposite synthesized by chemical vapor condensation: Effects of Mn precursor on the surface Mn species. <b>2012</b> , 163, 96-101			31
1363	DFT study of coverage-depended adsorption of NH <sub>3</sub> on TiO <sub>2</sub> -B (100) surface. <b>2012</b> , 14, 16618-25			16
1362	Alkali metal poisoning of a CeO <sub>2</sub> -WO <sub>3</sub> catalyst used in the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> : an experimental and theoretical study. <b>2012</b> , 46, 2864-9			173
1361	Preparation, Characterization, and Catalytic Properties of Tungsten Trioxide Cyclic Trimers on FeO(111)/Pt(111). <b>2012</b> , 116, 908-916			25
1360	Pathways for N <sub>2</sub> and N <sub>2</sub> O Formation during the Reduction of NO <sub>x</sub> over Pt/Ba/Al <sub>2</sub> O <sub>3</sub> LNT Catalysts Investigated by Labeling Isotopic Experiments. <b>2012</b> , 51, 7597-7605			32



1359	Emission Control Test Bench for SCR Testing. <b>2012</b> ,	1
1358	Physico-Chemical Modeling of an Integrated SCR on DPF (SCR/DPF) System. <b>2012</b> , 5, 958-974	30
1357	Surface modification of metal oxide nanocrystals for improved supercapacitors. <b>2012</b> , 5, 7555	31
1356	A novel magnetic $\text{FeTiIV}$ spinel catalyst for the selective catalytic reduction of NO with $\text{NH}_3$ in a broad temperature range. <b>2012</b> , 2, 915	47
1355	DRIFT Studies on the Selectivity Promotion Mechanism of Ca-Modified Ce-Mn/ $\text{TiO}_2$ Catalysts for Low-Temperature NO Reduction with $\text{NH}_3$ . <b>2012</b> , 116, 16582-16592	172
1354	Stöchiometrisches $\text{Fe}_2\text{O}_3$ als effektiver Katalysator für die selektive katalytische Reduktion von NO mit $\text{NH}_3$ . <b>2012</b> , 124, 3044-3048	17
1353	Rod-shaped $\text{Fe}_2\text{O}_3$ as an efficient catalyst for the selective reduction of nitrogen oxide by ammonia. <b>2012</b> , 51, 2989-93	223
1352	A study of the mechanism of iron-based sulfate catalyst for selective catalytic reduction of NO with $\text{NH}_3$ . <b>2012</b> , 7, 581-589	6
1351	Structural functional design of catalysts for conversion of nitrogen(I, II) oxides. <b>2012</b> , 48, 73-97	12
1350	Effective regeneration of thermally deactivated commercial V-W-Ti catalysts. <b>2012</b> , 6, 38-46	13
1349	$\text{NH}_3$ -SCR activity, hydrothermal stability, sulfur resistance and regeneration of $\text{Ce}_{0.75}\text{Zr}_{0.25}\text{O}_{2-x}\text{WO}_4$ catalyst. <b>2012</b> , 17, 146-149	57
1348	Influence of Ca doping on $\text{MnO}_x/\text{TiO}_2$ catalysts for low-temperature selective catalytic reduction of $\text{NO}_x$ by $\text{NH}_3$ . <b>2012</b> , 18, 106-109	38
1347	Manganese doped $\text{CeO}_2/\text{WO}_3$ catalysts for the selective catalytic reduction of NO with $\text{NH}_3$ : An experimental and theoretical study. <b>2012</b> , 19, 127-131	54
1346	Alternative alkali resistant deNO <sub>x</sub> catalysts. <b>2012</b> , 184, 192-196	26
1345	Improved high temperature stability of $\text{NH}_3$ -SCR catalysts based on rare earth vanadates supported on $\text{TiO}_2/\text{WO}_3/\text{SiO}_2$ . <b>2012</b> , 184, 227-236	55
1344	Effect of operating variables on the enhanced SCR reaction over a commercial $\text{V}_2\text{O}_5/\text{WO}_3/\text{TiO}_2$ catalyst for stationary applications. <b>2012</b> , 184, 153-159	55
1343	An environmentally-benign $\text{CeO}_2$ - $\text{TiO}_2$ catalyst for the selective catalytic reduction of $\text{NO}_x$ with $\text{NH}_3$ in simulated diesel exhaust. <b>2012</b> , 184, 160-165	146
1342	Effect of ignition temperature for combustion synthesis on the selective catalytic reduction of $\text{NO}_x$ with $\text{NH}_3$ over $\text{Ti}_{0.9}\text{Ce}_{0.05}\text{V}_{0.05}\text{O}_2$ nanocomposites catalysts prepared by solution combustion route. <b>2012</b> , 181-182, 307-322	66

1341	Tungsten modified MnOx/CeO2/ZrO2 monolith catalysts for selective catalytic reduction of NOx with ammonia. <b>2012</b> , 76, 120-128		99
1340	Investigation of the effect of Cu addition on the SO2-resistance of a CeTi oxide catalyst for selective catalytic reduction of NO with NH3. <b>2012</b> , 92, 49-55		89
1339	Catalytic reduction of NO by NH3 over Fe2O3/CNTs-TiO2 composites at low temperature. <b>2012</b> , 427-428, 43-48		58
1338	The NO/NOx ratio effect on the NH3-SCR efficiency of a commercial automotive Fe-zeolite catalyst studied by operando IR-MS. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 113-114, 52-60	21.8	40
1337	A superior Ce-W-Ti mixed oxide catalyst for the selective catalytic reduction of NOx with NH3. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 115-116, 100-106	21.8	480
1336	FeTi spinel for the selective catalytic reduction of NO with NH3: Mechanism and structure-activity relationship. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 117-118, 73-80	21.8	153
1335	Efficient conversion of 1,2-dichlorobenzene to mucochloric acid with ozonation catalyzed by V2O5 loaded metal oxides. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 117-118, 18-28	21.8	27
1334	Nickel-doped Mn/TiO2 as an efficient catalyst for the low-temperature SCR of NO with NH3: Catalytic evaluation and characterizations. <b>2012</b> , 288, 74-83		403
1333	Location and nature of Cu species in Cu/SAPO-34 for selective catalytic reduction of NO with NH3. <b>2012</b> , 289, 21-29		255
1332	The co-effect of Sb and Nb on the SCR performance of the V2O5/TiO2 catalyst. <b>2012</b> , 368, 406-12		85
1331	Highly sensitive ammonia resistive sensor based on electrospun V2O5 fibers. <b>2012</b> , 163, 61-68		118
1330	Adsorption equilibrium and kinetics for SO2, NO, CO2 on zeolites FAU and LTA. <b>2012</b> , 203-204, 111-7		109
1329	Regeneration of full-scale commercial honeycomb monolith catalyst (V2O5/WO3/TiO2) used in coal-fired power plant. <b>2012</b> , 18, 513-519		66
1328	Analysis of oxide and vanadate supports for catalytic hydrogen combustion: Kinetic and mechanistic investigations. <b>2012</b> , 58, 932-945		8
1327	Changes in the chemical composition of V2O5-loaded CVC-TiO2 materials with calcination temperatures for NH3-SCR of NOx. <b>2013</b> , 20, 1069-1074		7
1326	Characterization of CeO2/WO3 catalysts prepared by different methods for selective catalytic reduction of NO with NH3. <b>2013</b> , 40, 145-148		53
1325	Identification of the active sites on CeO2/WO3 catalysts for SCR of NOx with NH3: An in situ IR and Raman spectroscopy study. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 140-141, 483-492	21.8	229
1324	Room-temperature catalytic removal of low-concentration NO over mesoporous FeMn binary oxide synthesized using a template-free approach. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 140-141, 42-50	21.8	51

1323	Migration of Cu species in Cu/SAPO-34 during hydrothermal aging. <b>2013</b> , 306, 68-77	159
1322	Amorphous MnO <sub>2</sub> supported on carbon nanotubes as a superior catalyst for low temperature NO reduction with NH <sub>3</sub> . <b>2013</b> , 3, 11539	49
1321	Catalysts for Environmental Remediation Examples in Photo- and Heterogeneous Catalysis. <b>2013</b> , 63-85	2
1320	Mechanism of the Reduction by Ammonia of Nitrates Stored onto a Pt/Ba/Al <sub>2</sub> O <sub>3</sub> LNT Catalyst. <b>2013</b> , 56, 1906-1915	5
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1316	Monolayer Systems. <b>2013</b> , 131-151	8
1315	The abatement of major pollutants in air and water by environmental catalysis. <b>2013</b> , 7, 302-325	31
1314	Chemical deactivation of V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> SCR catalyst by combined effect of potassium and chloride. <b>2013</b> , 7, 420-427	34
1313	Cluster molecular modeling of strong interaction for F-doped V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> supported catalyst. <b>2013</b> , 153, 26-32	8
1312	SCR catalyst coated on low-cost monolith support for flue gas denitration of industrial furnaces. <b>2013</b> , 230, 513-521	36
1311	Investigation of selective catalytic reduction for control of nitrogen oxides in full-scale dairy energy production. <b>2013</b> , 106, 328-336	16
1310	Structural and Surface Effect of MnO <sub>2</sub> for Low Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> . <b>2013</b> , 18, 384-390	33
1309	NH <sub>3</sub> -SCR over Cu/SAPO-34 catalysts with various acid contents and low Cu loading. <b>2013</b> , 3, 3234	95
1308	A critical review on the heterogeneous catalytic oxidation of elemental mercury in flue gases. <b>2013</b> , 47, 10813-23	192
1307	Design strategies for P-containing fuels adaptable CeO <sub>2</sub> -MoO <sub>3</sub> catalysts for DeNO(x): significance of phosphorus resistance and N <sub>2</sub> selectivity. <b>2013</b> , 47, 11692-9	62
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1305	Dispersion of tungsten oxide on SCR performance of V <sub>2</sub> O <sub>5</sub> WO <sub>3</sub> /TiO <sub>2</sub> : Acidity, surface species and catalytic activity. <b>2013</b> , 225, 520-527		143
1304	FTIR study of the surface complexes of picoline, 3-pyridine-carbaldehyde and nicotinic acid on sulfated TiO <sub>2</sub> (anatase). <b>2013</b> , 373, 96-107		27
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1302	Effects of atmospheres and precursors on MnO <sub>x</sub> /TiO <sub>2</sub> catalysts for NH <sub>3</sub> -SCR at low temperature. <b>2013</b> , 28, 888-892		11
1301	Promotional effect of Si-doped V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> for selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2013</b> , 25, 1703-11		32
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1299	Comparison of preparation methods for ceria catalyst and the effect of surface and bulk sulfates on its activity toward NH <sub>3</sub> -SCR. <b>2013</b> , 262, 782-8		64
1298	Ceria added Sb-V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts for low temperature NH <sub>3</sub> SCR: Physico-chemical properties and catalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 142-143, 705-717	21.8	160
1297	Ammonium adsorption on Brønsted acidic centers on low-index vanadium pentoxide surfaces. <b>2013</b> , 19, 4487-501		10
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1288	SCR of NO <sub>x</sub> by NH <sub>3</sub> over model catalysts: The kinetic data-linear free energy relation. <b>2013</b> , 31, 11-15		3

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1262	Well-ordered transition metal oxide layers in model catalysis—a series of case studies. <b>2013</b> , 113, 3986-4034		164
1261	The relationship between structure and activity of MoO <sub>3</sub> -CeO <sub>2</sub> catalysts for NO removal: influences of acidity and reducibility. <b>2013</b> , 49, 6215-7		104
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1258	Influence of geometrical parameters of honeycomb commercial SCR-DeNO <sub>x</sub> -catalysts on DeNO <sub>x</sub> -activity, mercury oxidation and SO <sub>2</sub> /SO <sub>3</sub> -conversion. <b>2013</b> , 222, 274-281		36
1257	Combination of Experimental and Theoretical Investigations of MnO <sub>x</sub> /Ce <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>2</sub> Nanorods for Selective Catalytic Reduction of NO with Ammonia. <b>2013</b> , 117, 9999-10006		95
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1251	Modeling the selective catalytic reduction of NO <sub>x</sub> by ammonia over a Vanadia-based catalyst from heavy duty diesel exhaust gases. <b>2013</b> , 50, 152-158	50
1250	Characterization of MoO <sub>3</sub> /V <sub>2</sub> O <sub>5</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts for selective catalytic reduction of NO by NH <sub>3</sub> . <b>2013</b> , 19, 73-79	45
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1244	Hydration Dynamics for Vanadia/Titania Catalysts at High Loading: A Combined Theoretical and Experimental Study. <b>2013</b> , 117, 25535-25544	15
1243	Substitution of WO <sub>3</sub> in V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> by Fe <sub>2</sub> O <sub>3</sub> for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2013</b> , 3, 161-168	81
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1231	Development of Low Temperature Selective Catalytic Reduction (SCR) Catalysts for Future Emissions Regulations. <b>2014</b> ,	15
1230	Li-modified MnO <sub>2</sub> catalyst and LiMn <sub>2</sub> O <sub>4</sub> for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2014</b> , 42, 1447-1454	8
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1228	Removal of gas-phase ammonia and hydrogen sulfide using photocatalysis, nonthermal plasma, and combined plasma and photocatalysis at pilot scale. <b>2014</b> , 21, 13127-37	25
1227	The poisoning and regeneration effect of alkali metals deposited over commercial V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalysts on SCR of NO by NH <sub>3</sub> . <b>2014</b> , 59, 3966-3972	26
1226	Mechanism of the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over W-doped Fe/TiO <sub>2</sub> catalyst. <b>2014</b> , 30, 1005-1010	10
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1224	Development of Catalyst for Industrial Flue Gas Denitration at Low Temperature. <b>2014</b> , 535, 683-687	1
1223	Effect of Cordierite-Modified on SCR Commercial Catalyst. <b>2014</b> , 960-961, 176-181	
1222	XRD/SEM/EDS Analysis of Iron Surface after NO Reduction with CH <sub>4</sub> in N <sub>2</sub> and SO <sub>2</sub> Atmosphere. <b>2014</b> , 955-959, 2392-2396	
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1219	Effect of KCl on the selective catalytic reduction of NO with NH <sub>3</sub> over vanadia-based catalysts for biomass combustion. <b>2014</b> , 33, 390-395	11
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1217	A Remarkable Catalyst Combination to Widen the Operating Temperature Window of the Selective Catalytic Reduction of NO by NH <sub>3</sub> . <b>2014</b> , 6, 2263-2269	8
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1215	Activated Carbon Prepared from Date Pits for the Retention of NO <sub>2</sub> at Low Temperature. <b>2014</b> , 12, 717-726	10
1214	A review on selective catalytic reduction of NO <sub>x</sub> by supported catalysts at 100-300 °C: Catalysts, mechanism, kinetics. <b>2014</b> , 4, 14-25	196
1213	Promoting effect of MoO <sub>3</sub> on the NO <sub>x</sub> reduction by NH <sub>3</sub> over CeO <sub>2</sub> /TiO <sub>2</sub> catalyst studied with in situ DRIFTS. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 90-95	21.8 297
1212	Effects of calcination temperature on Mn species and catalytic activities of Mn/ZSM-5 catalyst for selective catalytic reduction of NO with ammonia. <b>2014</b> , 307, 382-387	83
1211	Selective catalytic reduction of nitric oxide by hydrogen over Zn-ZSM-5 and Pd and Pd/Ru based catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 152-153, 162-171	21.8 24
1210	Influence of the V <sub>2</sub> O <sub>5</sub> content of the catalyst layer of a non-Nernstian NH <sub>3</sub> sensor. <b>2014</b> , 262, 270-273	39
1209	Structure-activity relationship of VO <sub>x</sub> /CeO <sub>2</sub> nanorod for NO removal with ammonia. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 538-546	21.8 118
1208	Oxidation and reduction of mercury by SCR DeNO <sub>x</sub> catalysts under flue gas conditions in coal fired power plants. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 486-497	21.8 109
1207	Role of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /H <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> -nanotube-model catalysts in the enhancement of the catalytic activity for the SCR-NH <sub>3</sub> process. <b>2014</b> , 242, 313-320	37
1206	Influence of the preparation method on the performance of CeO <sub>2</sub> /MoO <sub>3</sub> catalyst for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2014</b> , 112, 27-36	9
1205	Selective Catalytic Reduction of NO with NH <sub>3</sub> over Ce/MoO <sub>x</sub> Catalyst. <b>2014</b> , 144, 165-171	33
1204	Montmorillonite intercalated with SiO <sub>2</sub> , SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> or SiO <sub>2</sub> -TiO <sub>2</sub> pillars by surfactant-directed method as catalytic supports for DeNO <sub>x</sub> process. <b>2014</b> , 68,	11
1203	Novel sulfation effect on low-temperature activity enhancement of CeO <sub>2</sub> -added Sb-V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst for NH <sub>3</sub> -SCR. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 152-153, 28-37	21.8 85
1202	Influence of calcination temperature on Ce/TiO <sub>2</sub> catalysis of selective catalytic oxidation of NH <sub>3</sub> to N <sub>2</sub> . <b>2014</b> , 470, 189-198	88
1201	Simultaneous removal of NO <sub>x</sub> and SO <sub>2</sub> from coal-fired flue gas by catalytic oxidation-removal process with H <sub>2</sub> O <sub>2</sub> . <b>2014</b> , 243, 176-182	135
1200	The influence of the preparation procedures on the catalytic activity of Fe-BEA zeolites in SCR of NO with ammonia and N <sub>2</sub> O decomposition. <b>2014</b> , 235, 210-225	43
1199	Support modification for improving the performance of MnO <sub>x</sub> /CeO <sub>y</sub> /Al <sub>2</sub> O <sub>3</sub> in selective catalytic reduction of NO by NH <sub>3</sub> . <b>2014</b> , 242, 76-85	87
1198	Novel V <sub>2</sub> O <sub>5</sub> /CeO <sub>2</sub> /TiO <sub>2</sub> catalyst with low vanadium loading for the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 158-159, 11-19	21.8 165

1197	Novel V <sub>2</sub> O <sub>5</sub> /NTiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanostructured catalysts for enhanced catalytic activity in NO reduction by NH <sub>3</sub> . <b>2014</b> , 45, 54-58		15
1196	TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> binary mixed oxide surfaces for photocatalytic NO <sub>x</sub> abatement. <b>2014</b> , 318, 142-149		32
1195	DRIFT study of CuO-CeO <sub>2</sub> -TiO <sub>2</sub> mixed oxides for NO <sub>x</sub> reduction with NH <sub>3</sub> at low temperatures. <b>2014</b> , 6, 8134-45		184
1194	Selective catalytic reduction of NO using acetone solvent vapors as the reducing agent over Cu <sup>2+</sup> and/or Al <sup>3+</sup> ions substituted MCM-41 catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 809-815	21.8	12
1193	Insight into deactivation of commercial SCR catalyst by arsenic: an experiment and DFT study. <b>2014</b> , 48, 13895-900		79
1192	Low-Temperature Selective Catalytic Reduction (SCR) of NO <sub>x</sub> with NH <sub>3</sub> Over Zeolites and Metal Oxide-Based Catalysts and Recent Developments of H <sub>2</sub> -SCR. <b>2014</b> , 149-177		2
1191	The influence of molar ratios of Ce/Zr on the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over Fe <sub>2</sub> O <sub>3</sub> -WO <sub>3</sub> /Ce x Zr <sub>1-x</sub> O <sub>2</sub> (0 ≤ x ≤ 1) monolith catalyst. <b>2014</b> , 59, 3956-3965		11
1190	Preparation and performance of V-W preparation and performance of V-W/x(Mn-Ce-Ti)/y(Cu-Ce-Ti)/cordierite catalyst by impregnation method in sequence for SCR reaction with urea. <b>2014</b> , 42, 1093-1101		9
1189	Interaction between support and V <sub>2</sub> O <sub>5</sub> in the selective catalytic reduction of NO by NH <sub>3</sub> . <b>2014</b> , 4, 2147		16
1188	Novel approach for a cerium-based highly-efficient catalyst with excellent NH <sub>3</sub> -SCR performance. <b>2014</b> , 4, 3611-3614		30
1187	Competition of selective catalytic reduction and non selective catalytic reduction over MnO <sub>x</sub> /TiO <sub>2</sub> for NO removal: the relationship between gaseous NO concentration and N <sub>2</sub> O selectivity. <b>2014</b> , 4, 224-232		71
1186	Promotive Effect of SO <sub>2</sub> on the Activity of a Deactivated Commercial Selective Catalytic Reduction Catalyst: An in situ DRIFT Study. <b>2014</b> , 53, 16229-16234		52
1185	A cluster DFT study of NH <sub>3</sub> and NO adsorption on the (MoO <sub>2</sub> ) <sub>2</sub> <sup>+</sup> /HZSM-5 surface: Lewis versus Brønsted acid sites. <b>2014</b> , 321, 339-347		18
1184	Oxygen vacancy formation and reduction properties of MnO <sub>2</sub> grain boundaries and the potential for high electrochemical performance. <b>2014</b> , 6, 17776-84		36
1183	A novel mechanism for poisoning of metal oxide SCR catalysts: base-acid explanation correlated with redox properties. <b>2014</b> , 50, 10031-4		47
1182	Effect of the Nature and Location of Copper Species on the Catalytic Nitric Oxide Selective Catalytic Reduction Performance of the Copper/SSZ-13 Zeolite. <b>2014</b> , 6, 634-639		25
1181	Highly efficient degradation of dye pollutants by Ce-doped MoO <sub>3</sub> catalyst at room temperature. <b>2014</b> , 43, 12860-70		47
1180	Influence of aging on in situ hydrothermally synthesized Cu-SSZ-13 catalyst for NH <sub>3</sub> -SCR reaction. <b>2014</b> , 4, 42403-42411		48

1179	Effect of Ce/Zr molar ratio on the performance of Cu/Ce-Zr/TiO <sub>2</sub> catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> in diesel exhaust. <b>2014</b> , 60, 341-347	16
1178	Studies on B sites in Fe-doped LaNiO <sub>3</sub> perovskite for SCR of NO <sub>x</sub> with H <sub>2</sub> . <b>2014</b> , 39, 15836-15843	22
1177	Recent NH <sub>3</sub> -SCR Mechanism Research over Cu/SAPO-34 Catalyst. <b>2014</b> , 118, 6565-6575	106
1176	In situ IR studies of selective catalytic reduction of NO with NH <sub>3</sub> on Ce-Ti amorphous oxides. <b>2014</b> , 35, 1289-1298	44
1175	Catalytic conversion of glycerol to allyl alcohol; effect of a sacrificial reductant on the product yield. <b>2014</b> , 4, 3090-3098	19
1174	Effect of Ozone Addition to Lean NO <sub>x</sub> Trap Method Using Plasma-Catalyst System. <b>2014</b> , 34, 1303-1315	6
1173	Selective Catalytic Reduction of NO <sub>x</sub> by NH <sub>3</sub> over Mn-Promoted V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> Catalyst. <b>2014</b> , 53, 12964-12970	78
1172	Dual Effect of Sulfation on the Selective Catalytic Reduction of NO with NH <sub>3</sub> over MnO <sub>x</sub> /TiO <sub>2</sub> : Key Factor of NH <sub>3</sub> Distribution. <b>2014</b> , 53, 5810-5819	32
1171	N <sub>2</sub> Selectivity of NO Reduction by NH <sub>3</sub> over MnO <sub>x</sub> /CeO <sub>2</sub> : Mechanism and Key Factors. <b>2014</b> , 118, 21500-21508	74
1170	Understanding ammonia selective catalytic reduction kinetics over Cu/SSZ-13 from motion of the Cu ions. <b>2014</b> , 319, 1-14	236
1169	Manganese Oxides Supported on TiO <sub>2</sub> /Graphene Nanocomposite Catalysts for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> at Low Temperature. <b>2014</b> , 53, 11601-11610	55
1168	Relating Catalytic Activity of d <sup>0</sup> Semiconducting Metal Oxides to the Fermi Level Position. <b>2014</b> , 118, 6873-6881	8
1167	Tailored temperature window of MnO <sub>x</sub> -CeO <sub>2</sub> SCR catalyst by addition of acidic metal oxides. <b>2014</b> , 35, 1281-1288	18
1166	Efficient selective catalytic reduction of NO by novel carbon-doped metal catalysts made from electroplating sludge. <b>2014</b> , 48, 11497-503	43
1165	Selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> for heavy-duty diesel vehicles. <b>2014</b> , 35, 1438-1445	17
1164	Effect of Ce doping of TiO <sub>2</sub> support on NH <sub>3</sub> -SCR activity over V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /CeO <sub>2</sub> -TiO <sub>2</sub> catalyst. <b>2014</b> , 26, 2106-13	85
1163	Novel Pd/Au/TiO <sub>2</sub> catalyst for the selective catalytic reduction of NO <sub>x</sub> by H <sub>2</sub> . <b>2014</b> , 57, 19-22	33
1162	Detection of the ammonia loading of a Cu Chabazite SCR catalyst by a radio frequency-based method. <b>2014</b> , 205, 88-93	36

1161	Advanced metal oxide (supported) catalysts: Synthesis and applications. <b>2014</b> , 20, 3947-3959	81
1160	Rare earth containing catalysts for selective catalytic reduction of NO <sub>x</sub> with ammonia: A Review. <b>2014</b> , 32, 907-917	73
1159	Apparent Absorption Spectra of Silica Supported Vanadium/Titanium Oxide Catalysts: Experimental Study and Modeling. <b>2014</b> , 118, 14677-14691	7
1158	Identifying potential BO <sub>2</sub> oxide polymorphs for epitaxial growth candidates. <b>2014</b> , 6, 3630-9	21
1157	Catalyst Design Based on DFT Calculations: Metal Oxide Catalysts for Gas Phase NO Reduction. <b>2014</b> , 118, 13617-13622	37
1156	Interaction of NH <sub>3</sub> with Cu-SSZ-13 Catalyst: A Complementary FTIR, XANES, and XES Study. <b>2014</b> , 5, 1552-9	209
1155	Low-Temperature Desorption of N <sub>2</sub> O from NO on Rutile TiO <sub>2</sub> (110)-1 $\times$ 1. <b>2014</b> , 118, 9544-9550	7
1154	A review of mixed-potential type zirconia-based gas sensors. <b>2014</b> , 20, 901-925	204
1153	DRIFT study on Cr <sub>2</sub> O <sub>3</sub> -SO <sub>4</sub> 2/TiO <sub>2</sub> catalyst for low temperature selective catalytic reduction of NO with NH <sub>3</sub> . <b>2014</b> , 30, 279-283	3
1152	Metal Oxides as Acid-Base Catalytic Materials. <b>2014</b> , 103-195	5
1151	Experimental Microkinetic Approach of De-NO <sub>x</sub> by NH <sub>3</sub> on V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> Catalysts. 2. Impact of Superficial Sulfate and/or V <sub>x</sub> O <sub>y</sub> Groups on the Heats of Adsorption of Adsorbed NH <sub>3</sub> Species. <b>2014</b> , 118, 15677-15692	22
1150	Deactivation mechanism of potassium on the V <sub>2</sub> O <sub>5</sub> /CeO <sub>2</sub> catalysts for SCR reaction: acidity, reducibility and adsorbed-NO <sub>x</sub> . <b>2014</b> , 48, 4515-20	120
1149	Novel Mn-Ce-Ti mixed-oxide catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2014</b> , 6, 14500-8	295
1148	Mechanism of N <sub>2</sub> O formation during the low-temperature selective catalytic reduction of NO with NH <sub>3</sub> over Mn-Fe spinel. <b>2014</b> , 48, 10354-62	159
1147	Effects of PbCl <sub>2</sub> on selective catalytic reduction of NO with NH <sub>3</sub> over vanadia-based catalysts. <b>2014</b> , 274, 270-8	84
1146	Rutile (110) MnO <sub>2</sub> surfaces and vacancy formation for high electrochemical and catalytic performance. <b>2014</b> , 136, 1418-26	163
1145	Manganese/Bismuth mixed oxide catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> at low temperatures. <b>2014</b> , 250, 390-398	189
1144	Surface characterization studies on F-doped V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst for NO reduction with NH <sub>3</sub> at low-temperature. <b>2014</b> , 253, 207-216	38

1143	The effect of various templates on the NH <sub>3</sub> -SCR activities over Cu/SAPO-34 catalysts. <b>2014</b> , 243, 159-168	73
1142	Molybdenum modified CeAlO <sub>x</sub> catalyst for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2014</b> , 386, 69-77	50
1141	Selective catalytic reaction of NO <sub>x</sub> with NH <sub>3</sub> over CeFe/TiO <sub>2</sub> -loaded wire-mesh honeycomb: Resistance to SO <sub>2</sub> poisoning. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 150-151, 630-635	21.8 96
1140	V <sub>2</sub> O <sub>5</sub> /hematite catalyst for low temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2014</b> , 35, 99-107	8
1139	Experimental Microkinetic Approach of De-NO <sub>x</sub> by NH <sub>3</sub> on V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> Catalysts. 1. Individual Heats of Adsorption of Adsorbed NH <sub>3</sub> Species on a Sulfate-Free TiO <sub>2</sub> Support Using Adsorption Isobars. <b>2014</b> , 118, 15664-15676	28
1138	Structure-Activity Relationships of NiO on CeO <sub>2</sub> Nanorods for the Selective Catalytic Reduction of NO with NH <sub>3</sub> : Experimental and DFT Studies. <b>2014</b> , 118, 9612-9620	121
1137	Significant catalytic effects induced by the electronic interactions between carboxyl and hydroxyl group modified carbon nanotube supports and vanadium species for NO reduction with NH <sub>3</sub> at low temperature. <b>2014</b> , 254, 399-409	12
1136	Effect of preparation of iron-infiltrated activated carbon catalysts on nitrogen oxide conversion at low temperature. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 160-161, 641-650	21.8 8
1135	Au nanoparticles enhanced rutile TiO <sub>2</sub> nanorod bundles with high visible-light photocatalytic performance for NO oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 147, 610-616	21.8 105
1134	Design and Synthesis Functional Selective Catalytic Reduction Catalyst for NO <sub>x</sub> Removal. <b>2015</b> , 121, 952-956	14
1133	Environmental Applications of Multifunctional Nanocomposite Catalytic Materials: Issues with Catalyst Combinations. <b>2015</b> , 1-36	
1132	PbCl <sub>2</sub> -poisoning kinetics of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2015</b> , 34, 1085-1091	8
1131	Visible-Light-Assisted Selective Catalytic Reduction of Nitric Oxide with Ammonia over Dye-Modified Titania Photocatalysts. <b>2015</b> , 7, 1818-1825	19
1130	Automotive Catalyst State Diagnosis Using Microwaves. <b>2015</b> , 70, 55-65	7
1129	Low Temperature Performance of Selective Catalytic Reduction of NO with NH <sub>3</sub> under a Concentrated CO <sub>2</sub> Atmosphere. <b>2015</b> , 8, 12331-12341	9
1128	Ammonia Loading Detection of Zeolite SCR Catalysts using a Radio Frequency based Method. <b>2015</b> , 8, 1126-1135	28
1127	Experimental Study on the Deactivating Effect of KNO <sub>3</sub> , KCl, and K <sub>2</sub> SO <sub>4</sub> on Nanosized Ceria/Titania SCR Catalyst. <b>2015</b> , 2015, 1-10	
1126	Effects of different manganese precursors as promoters on catalytic performance of CuO-MnO <sub>x</sub> /TiO <sub>2</sub> catalysts for NO removal by CO. <b>2015</b> , 17, 15996-6006	38

1125	Direct synthesis of V <sub>2</sub> O <sub>5</sub> /Ti nanoparticle catalysts for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2015</b> , 5, 45172-45183		18
1124	Selective catalytic reduction operation with heavy fuel oil: NO <sub>x</sub> , NH <sub>3</sub> , and particle emissions. <b>2015</b> , 49, 4735-41		28
1123	Effects of SO on selective catalytic reduction of NO with NH over a TiO photocatalyst. <b>2015</b> , 16, 024901		19
1122	Impacts of niobia loading on active sites and surface acidity in NbO <sub>2</sub> /CeO <sub>2</sub> -ZrO <sub>2</sub> NH <sub>3</sub> -SCR catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 179, 380-394	21.8	165
1121	Computational chemistry for NH <sub>3</sub> synthesis, hydrotreating, and NO <sub>x</sub> reduction: Three topics of special interest to Haldor Topsøe. <b>2015</b> , 328, 26-35		9
1120	Heterogeneous Catalyst Deactivation and Regeneration: A Review. <b>2015</b> , 5, 145-269		847
1119	IR studies of Fe modified ZSM-5 zeolites of diverse mesopore topologies in the terms of their catalytic performance in NH <sub>3</sub> -SCR and NH <sub>3</sub> -SCO processes. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 179, 589-598	21.8	67
1118	Ammonia sensing system based on wavelength modulation spectroscopy. <b>2015</b> , 5, 109-115		9
1117	Influence of attrition milling on V/Ti catalysts for the selective oxidation of ammonia. <b>2015</b> , 505, 557-565		16
1116	Vanadia directed synthesis of anatase TiO <sub>2</sub> truncated bipyramids with preferential exposure of the reactive {001} facet. <b>2015</b> , 17, 3376-3382		12
1115	Enhanced activity of tungsten doped CeAlO <sub>x</sub> catalysts for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2015</b> , 116, 523-533		6
1114	Effect of Flue Gas Components on Hg <sup>0</sup> Oxidation over Fe/HZSM-5 Catalyst. <b>2015</b> , 54, 146-152		19
1113	Synergy of KCl and Hg <sub>2</sub> on selective catalytic reduction of NO with NH <sub>3</sub> over V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalysts. <b>2015</b> , 264, 815-823		41
1112	Novel Effect of H <sub>2</sub> O on the Low Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> over MnO <sub>x</sub> -CeO <sub>2</sub> : Mechanism and Kinetic Study. <b>2015</b> , 119, 4180-4187		57
1111	Development and characterization of thermally stable supported V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts for mobile NH <sub>3</sub> -SCR applications. <b>2015</b> , 1, 25-34		22
1110	Activity and selectivity of V <sub>2</sub> O <sub>5</sub> /H <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> , V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /H <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> and Al <sub>2</sub> O <sub>3</sub> /H <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> model catalysts during the SCR of NO with NH <sub>3</sub> . <b>2015</b> , 264, 873-885		18
1109	Ceria promotion on the potassium resistance of MnO <sub>x</sub> /TiO <sub>2</sub> SCR catalysts: An experimental and DFT study. <b>2015</b> , 269, 44-50		66
1108	Influence of SiO <sub>2</sub> on M/TiO <sub>2</sub> (M = Cu, Mn, and Ce) Formulations for Low-Temperature Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> : Surface Properties and Key Components in Relation to the Activity of NO <sub>x</sub> Reduction. <b>2015</b> , 54, 2261-2273		92



1107	The Reaction of Poisonous Alkali Oxides with Vanadia SCR Catalyst and the Afterward Influence: A DFT and Experimental Study. <b>2015</b> , 119, 1905-1912		38
1106	Sulfated Temperature Effects on the Catalytic Activity of CeO <sub>2</sub> in NH <sub>3</sub> -Selective Catalytic Reduction Conditions. <b>2015</b> , 119, 1155-1163		87
1105	The mechanism of the effect of H <sub>2</sub> O on the low temperature selective catalytic reduction of NO with NH <sub>3</sub> over MnFe spinel. <b>2015</b> , 5, 2132-2140		66
1104	An experimental study of heterogeneous NO reduction by biomass reburning. <b>2015</b> , 132, 111-117		27
1103	Influence of Cu on the catalytic activity of FeBEA zeolites in SCR of NO with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 168-169, 377-384	21.8	28
1102	The influence of CO <sub>2</sub> and H <sub>2</sub> O on selective catalytic reduction of NO by NH <sub>3</sub> over Cu/SAPO-34 catalyst. <b>2015</b> , 264, 845-855		36
1101	Modeling of catalyst composition-activity relationship of supported catalysts in NH <sub>3</sub> /NO-SCR process using artificial neural network. <b>2015</b> , 26, 1515-1523		19
1100	Promotional effect of doping SnO <sub>2</sub> into TiO <sub>2</sub> over a CeO <sub>2</sub> /TiO <sub>2</sub> catalyst for selective catalytic reduction of NO by NH <sub>3</sub> . <b>2015</b> , 5, 2188-2196		89
1099	Novel MoO <sub>3</sub> /CeO <sub>2</sub> -ZrO <sub>2</sub> catalyst for the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2015</b> , 65, 51-54		68
1098	Getting insight into the influence of SO <sub>2</sub> on TiO <sub>2</sub> /CeO <sub>2</sub> for the selective catalytic reduction of NO by NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 589-598	21.8	225
1097	On the nature of oxygen groups for NH <sub>3</sub> -SCR of NO over carbon at low temperatures. <b>2015</b> , 270, 41-49		57
1096	Computational and spectroscopic characterization of key intermediates of the Selective Catalytic Reduction cycle of NO on zeolite-supported Cu catalyst. <b>2015</b> , 430, 132-143		14
1095	N <sub>2</sub> O formation in the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> on a CeMoO <sub>x</sub> catalyst. <b>2015</b> , 505, 8-15		21
1094	A mixed potential based sensor that measures directly catalyst conversion- a novel approach for catalyst on-board diagnostics. <b>2015</b> , 217, 158-164		15
1093	Study on the Deactivation of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> Selective Catalytic Reduction Catalysts through Transient Kinetics. <b>2015</b> , 29, 3890-3896		22
1092	Catalytic Reduction of NO <sub>x</sub> Over TiO <sub>2</sub> -Graphene Oxide Supported with MnO <sub>x</sub> at Low Temperature. <b>2015</b> , 145, 1446-1456		26
1091	Synthesis, characterization and performance of ternary doped Cu <sub>2</sub> FeB/TiO <sub>2</sub> nanotubes on the photocatalytic removal of nitrogen oxides. <b>2015</b> , 39, 6854-6863		18
1090	Selective catalytic reduction of NO with NH <sub>3</sub> over novel iron-tungsten mixed oxide catalyst in a broad temperature range. <b>2015</b> , 5, 4556-4564		55

1089	Experimental Microkinetic Approach of De-NO <sub>x</sub> by NH <sub>3</sub> on V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> Catalysts. 3. Impact of Superficial WO <sub>3</sub> and V <sub>x</sub> O <sub>y</sub> /WO <sub>3</sub> Groups on the Heats of Adsorption of Adsorbed NH <sub>3</sub> Species. <b>2015</b> , 119, 15401-15413	22
1088	Role of surface vanadium oxide coverage support on titania for the simultaneous removal of o-dichlorobenzene and NO <sub>x</sub> from waste incinerator flue gas. <b>2015</b> , 254, 2-11	27
1087	Effects of WO <sub>3</sub> doping on stability and N <sub>2</sub> O escape of MnO <sub>2</sub> /CeO <sub>2</sub> mixed oxides as a low-temperature SCR catalyst. <b>2015</b> , 69, 188-192	36
1086	Effects of flue-gas parameters on low temperature NO reduction over a Cu-promoted CeO <sub>2</sub> /TiO <sub>2</sub> catalyst. <b>2015</b> , 159, 876-882	24
1085	Atomic-Scale View of VO <sub>x</sub> /WO <sub>x</sub> Coreduction on the $\gamma$ -Al <sub>2</sub> O <sub>3</sub> (0001) Surface. <b>2015</b> , 119, 16179-16187	8
1084	Ultrasound-assistant preparation of Cu-SAPO-34 nanocatalyst for selective catalytic reduction of NO by NH <sub>3</sub> . <b>2015</b> , 35, 135-143	36
1083	Catalytic reduction of NO <sub>x</sub> by CO over a Ni <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> based oxide catalyst. <b>2015</b> , 3, 15133-15140	5
1082	Catalysts for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> at low temperature. <b>2015</b> , 5, 4280-4288	143
1081	Recent advances in automotive catalysis for NO <sub>x</sub> emission control by small-pore microporous materials. <b>2015</b> , 44, 7371-405	557
1080	The selective catalytic reduction of NO with NH <sub>3</sub> over a novel Ce/Bi mixed oxides catalyst: Promotional effect of SnO <sub>2</sub> . <b>2015</b> , 342, 174-182	70
1079	NH <sub>3</sub> -SCR performance improvement of mesoporous Sn modified Cr-MnO <sub>x</sub> catalysts at low temperatures. <b>2015</b> , 258, 103-111	43
1078	Thermoelectric hydrocarbon sensor in thick-film technology for on-board-diagnostics of a diesel oxidation catalyst. <b>2015</b> , 214, 234-240	23
1077	Significant Promotion Effect of Mo Additive on a Novel Ce-Zr Mixed Oxide Catalyst for the Selective Catalytic Reduction of NO(x) with NH <sub>3</sub> . <b>2015</b> , 7, 9497-506	144
1076	A novel method of microwave heating mixed liquid-assisted regeneration of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> commercial SCR catalysts. <b>2015</b> , 37, 905-14	6
1075	Nb-doped VO <sub>x</sub> /CeO <sub>2</sub> catalyst for NH <sub>3</sub> -SCR of NO <sub>x</sub> at low temperatures. <b>2015</b> , 5, 37675-37681	26
1074	A novel Ce/Al mixed oxide catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 176-177, 338-346	21.8 104
1073	The promotional effect of MoO <sub>3</sub> doped V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> for chlorobenzene oxidation. <b>2015</b> , 69, 161-164	18
1072	Design of a High-efficiency NH <sub>3</sub> -SCR reactor for stationary applications. A kinetic study of NH <sub>3</sub> oxidation and NH <sub>3</sub> -SCR over V-based catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 179, 185-195	21.8 43

1071	MoO <sub>3</sub> modified CeO <sub>2</sub> /TiO <sub>2</sub> catalyst prepared by a single step sol-gel method for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2015</b> , 29, 43-47	48
1070	A CuO-V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> Catalyst for the Selective Catalytic Reduction of NO with NH <sub>3</sub> . <b>2015</b> , 187, 925-936	18
1069	Exploring the Environmental Photochemistry on the TiO <sub>2</sub> (110) Surface in Situ by Near Ambient Pressure X-ray Photoelectron Spectroscopy. <b>2015</b> , 119, 7076-7085	25
1068	The promotion effect of CeO <sub>x</sub> on Cu-SAPO-34 catalyst for selective catalytic reduction of NO <sub>x</sub> with ammonia. <b>2015</b> , 258, 28-34	30
1067	Activity and characterization of a Ce <sub>0.4</sub> W <sub>0.6</sub> Ti oxide catalyst prepared by a single step sol-gel method for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2015</b> , 151, 124-129	72
1066	Advances in selective catalytic oxidation of ammonia to dinitrogen: a review. <b>2015</b> , 5, 43408-43431	105
1065	Alkali-Resistant Mechanism of a Hollandite DeNO <sub>x</sub> Catalyst. <b>2015</b> , 49, 7042-7	41
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1063	Reuse and Valorization of Vanadium and Tungsten from Waste V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> SCR Catalyst. <b>2015</b> , 6, 159-165	35
1062	An efficient Ce-doped MoO <sub>3</sub> catalyst and its photo-thermal catalytic synergetic degradation performance for dye pollutant. <b>2015</b> , 66, 42-45	18
1061	XANES and DRIFTS study of sulfated Sb/V/Ce/TiO <sub>2</sub> catalysts for NH <sub>3</sub> -SCR. <b>2015</b> , 275, 142-151	42
1060	Noble-Metal-Free NO <sub>x</sub> Storage over Ba-Modified TiO <sub>2</sub> Photocatalysts under UV-Light Irradiation at Low Temperatures. <b>2015</b> , 5, 2939-2943	14
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1058	Water-promoted low-concentration NO removal at room temperature by Mg-doped manganese oxides OMS-2. <b>2015</b> , 507, 65-74	18
1057	Probing zeolites by vibrational spectroscopies. <b>2015</b> , 44, 7262-341	241
1056	Boosted surface acidity in TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> nanotubes as catalytic supports. <b>2015</b> , 356, 115-123	16
1055	Selective catalytic reduction of NO over MAg/ZSM-5 bimetallic nanocatalysts (M = Mn, Fe and Ni). Physicochemical properties and catalytic performance. <b>2015</b> , 56, 617-624	2
1054	Coexistence of Square Pyramidal Structures of Oxo Vanadium (+5) and (+4) Species Over Low-Coverage VOX/TiO <sub>2</sub> (101) and (001) Anatase Catalysts. <b>2015</b> , 119, 23445-23452	27

1053	MnFe/Al <sub>2</sub> O <sub>3</sub> Catalyst Synthesized by Deposition Precipitation for Low-Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> . <b>2015</b> , 145, 1724-1732	18
1052	Selective autocatalytic reduction of NO from sintering flue gas by the hot sintered ore in the presence of NH <sub>3</sub> . <b>2015</b> , 164, 146-50	15
1051	Potassium poisoning of titania supported deNO <sub>x</sub> catalysts: Preservation of vanadia and sacrifice of tungsten oxide. <b>2015</b> , 36, 1287-1294	14
1050	Global Kinetic Study of NO Reduction by NH <sub>3</sub> over V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> : Relationship between the SCR Performance and the Key Factors. <b>2015</b> , 54, 11011-11023	73
1049	Noble Metal/CNT Based Catalysts in NH <sub>3</sub> and EtOH Assisted SCR of NO. <b>2015</b> , 58, 984-992	5
1048	Activity Enhancement of W/CeZr Oxide Catalysts by SO <sub>2</sub> Treatment in NH <sub>3</sub> -SCR. <b>2015</b> , 58, 1002-1011	10
1047	Photocatalytic H <sub>2</sub> generation over In <sub>2</sub> TiO <sub>5</sub> , Ni substituted In <sub>2</sub> TiO <sub>5</sub> and NiTiO <sub>3</sub> : a combined theoretical and experimental study. <b>2015</b> , 5, 61218-61229	17
1046	Flame-Made WO <sub>3</sub> /CeO <sub>x</sub> -TiO <sub>2</sub> Catalysts for Selective Catalytic Reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2015</b> , 5, 5657-5672	133
1045	Characterization and activity of V <sub>2</sub> O <sub>5</sub> -CeO <sub>2</sub> /TiO <sub>2</sub> -ZrO <sub>2</sub> catalysts for NH <sub>3</sub> -selective catalytic reduction of NO <sub>x</sub> . <b>2015</b> , 36, 1701-1710	26
1044	Low-temperature SCR activity and SO <sub>2</sub> deactivation mechanism of Ce-modified V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalyst. <b>2015</b> , 25, 342-352	62
1043	Performance impact and poisoning mechanism of arsenic over commercial V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> SCR catalyst. <b>2015</b> , 72, 121-126	67
1042	NH <sub>3</sub> -SCR activity, hydrothermal stability and poison resistance of a zirconium phosphate/Ce <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> catalyst in simulated diesel exhaust. <b>2015</b> , 5, 83594-83599	16
1041	Regeneration of Commercial SCR Catalysts: Probing the Existing Forms of Arsenic Oxide. <b>2015</b> , 49, 9971-8	67
1040	CuO/CeO <sub>2</sub> /TiO <sub>2</sub> catalyst for simultaneous NO reduction and Hg <sup>0</sup> oxidation at low temperatures. <b>2015</b> , 5, 5129-5138	81
1039	Promoting role of sulfur groups in selective catalytic reduction of NO with NH <sub>3</sub> over H <sub>2</sub> SO <sub>4</sub> modified activated carbons. <b>2015</b> , 32, 2257-2263	6
1038	SCR of Nitric Oxide by Hydrogen over Pd and Ir Based Catalysts with Different Supports. <b>2015</b> , 145, 1491-1499	6
1037	Study of M-ZSM-5 nanocatalysts (M: Cu, Mn, Fe, Co) for selective catalytic reduction of NO with NH <sub>3</sub> : Process optimization by Taguchi method. <b>2015</b> , 23, 1647-1654	11
1036	Performance of Cr-doped vanadia/titania catalysts for low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2015</b> , 36, 1256-1262	30

1035	Emptying and filling a tunnel bronze. <b>2015</b> , 6, 1712-1718		36
1034	Mechanistic Aspects of deNO <sub>x</sub> Processing over TiO <sub>2</sub> Supported Co-Mn Oxide Catalysts: Structure-Activity Relationships and In Situ DRIFTS Analysis. <b>2015</b> , 5, 6069-6077		221
1033	Inhibitory effect of SO <sub>2</sub> on side reactions of NH <sub>3</sub> -SCR over olivine. <b>2015</b> , 5, 3613-3623		14
1032	In situ IR studies of Co and Ce doped Mn/TiO <sub>2</sub> catalyst for low-temperature selective catalytic reduction of NO with NH <sub>3</sub> . <b>2015</b> , 357, 189-196		60
1031	Effects of Si/Al ratio on Cu/SSZ-13 NH <sub>3</sub> -SCR catalysts: Implications for the active Cu species and the roles of Brønsted acidity. <b>2015</b> , 331, 25-38		252
1030	In Situ DRIFTS Investigation of the Low-Temperature Reaction Mechanism over Mn-Doped Co <sub>3</sub> O <sub>4</sub> for the Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2015</b> , 119, 22924-22933		158
1029	Effects of Ce-Doping on the Structure and NH <sub>3</sub> -SCR Activity of Fe/Beta Catalyst. <b>2015</b> , 44, 1612-1616		8
1028	Effect of Co content on the catalytic activity of CoSiBEA zeolites in N <sub>2</sub> O decomposition and SCR of NO with ammonia. <b>2015</b> , 258, 507-517		21
1027	The role of ceria on the activity and SO <sub>2</sub> resistance of catalysts for the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 166-167, 37-44	21.8	143
1026	A microwave-based method to monitor the ammonia loading of a vanadia-based SCR catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 36-42	21.8	21
1025	Ammonia Formation from NO Reaction with Surface Hydroxyls on Rutile TiO <sub>2</sub> (110)-1 $\times$ 1. <b>2015</b> , 119, 1130-1135		5
1024	Impact of sulfur oxide on NH <sub>3</sub> -SCR over Cu-SAPO-34. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 166-167, 568-579	21.8	89
1023	Activated carbon prepared by physical activation of olive stones for the removal of NO <sub>2</sub> at ambient temperature. <b>2015</b> , 18, 63-74		74
1022	Deactivation and regeneration of a commercial SCR catalyst: Comparison with alkali metals and arsenic. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 168-169, 195-202	21.8	134
1021	An experimental and DFT study of the adsorption and oxidation of NH <sub>3</sub> on a CeO <sub>2</sub> catalyst modified by Fe, Mn, La and Y. <b>2015</b> , 242, 300-307		44
1020	Mercury removal over the vanadia-titania catalyst in CO <sub>2</sub> -enriched conditions. <b>2015</b> , 263, 356-363		48
1019	Mixed iron-erbium vanadate NH <sub>3</sub> -SCR catalysts. <b>2015</b> , 241, 159-168		38
1018	Enhanced catalytic performance of F-doped CeO <sub>2</sub> -TiO <sub>2</sub> catalysts in selective catalytic reduction of NO with NH <sub>3</sub> at low temperatures. <b>2015</b> , 41, 3479-3490		12

1017	Mn/TiO <sub>2</sub> and MnFe/TiO <sub>2</sub> catalysts synthesized by deposition precipitation promising for selective catalytic reduction of NO with NH <sub>3</sub> at low temperatures. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 628-635	21.8	192
1016	High-efficiency reduction of NO emission from diesel exhaust using a CeWO catalyst. <b>2015</b> , 59, 226-228		33
1015	Visible-light-assisted selective catalytic reduction of NO with NH <sub>3</sub> on porphyrin derivative-modified TiO <sub>2</sub> photocatalysts. <b>2015</b> , 5, 556-561		26
1014	Selective catalytic reduction of NO by ammonia over phosphate-containing Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> solids. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 163, 223-232	21.8	100
1013	Durability of Cu/SAPO-34 catalyst for NO reduction by ammonia: Potassium and sulfur poisoning. <b>2015</b> , 59, 35-39		28
1012	Effect of preparation methods on the activity of VO <sub>x</sub> /CeO <sub>2</sub> catalysts for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2015</b> , 5, 389-396		33
1011	Effect of the calcination temperature on the performance of a CeMoO <sub>x</sub> catalyst in the selective catalytic reduction of NO <sub>x</sub> with ammonia. <b>2015</b> , 245, 10-15		42
1010	Effects of mercury oxidation on V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalyst properties in NH <sub>3</sub> -SCR process. <b>2015</b> , 59, 78-82		59
1009	Enhancement of ethanol gas sensing response based on ordered V <sub>2</sub> O <sub>5</sub> nanowire microyarns. <b>2015</b> , 206, 284-290		62
1008	Theoretical investigation of novel two-step decomposition of nitric oxide over Fe(II) ion-exchanged zeolites using DFT calculations. <b>2015</b> , 242, 343-350		10
1007	The role of reaction kinetics and mass transfer in the selective catalytic reduction of NO with NH <sub>3</sub> in monolithic reactors. <b>2015</b> , 90, 1299-1307		5
1006	Vanadia-modified Sb/CeO <sub>2</sub> /TiO <sub>2</sub> catalyst for effective removal of NO by NH <sub>3</sub> . <b>2015</b> , 41, 2635-2650		7
1005	Low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over cerium and manganese oxides supported on TiO <sub>2</sub> /graphene. <b>2015</b> , 260, 776-784		137
1004	Improved Low-Temperature Activity of V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> for Denitration Using Different Vanadium Precursors. <b>2016</b> , 6, 25		23
1003	Tungsten Recovery from Spent SCR Catalyst Using Alkaline Leaching and Ion Exchange. <b>2016</b> , 6, 107		24
1002	The Effect of Diesel Exhaust Fluid Dosing on Tailpipe Particle Number Emissions. <b>2016</b> ,		8
1001	Study on the mechanism of NH <sub>3</sub> -selective catalytic reduction over CuCe <sub>x</sub> Zr <sub>1-x</sub> /TiO <sub>2</sub> . <b>2016</b> , 10, 211-223		4
1000	In situ DRIFTS investigation of the reaction mechanism over MnO <sub>x</sub> -MO <sub>y</sub> /Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> (M = Fe, Co, Ni, Cu) for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 387, 921-928		47

999	Selective Catalytic Reduction of NO by NH <sub>3</sub> over Photocatalysts (Photo-SCR): Mechanistic Investigations and Developments. <b>2016</b> , 16, 2268-2277	15
998	DRIFTS study of Fe <sub>2</sub> O <sub>3</sub> nano-catalyst for low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 94, 1668-1675	34
997	Alkali Metal Deactivation on the Low Temperature Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> over MnO <sub>x</sub> -CeO <sub>2</sub> : A Mechanism Study. <b>2016</b> , 120, 15299-15309	38
996	Standard and Fast Selective Catalytic Reduction of NO with NH <sub>3</sub> on Zeolites Fe-BEA. <b>2016</b> , 120, 16831-16842	15
995	Catalytic performance of Co/Fe mixed oxide for NH <sub>3</sub> -SCR reaction and the promotional role of cobalt. <b>2016</b> , 6, 66169-66179	18
994	NH <sub>3</sub> -SCR Performance of Mn-Fe/TiO <sub>2</sub> Catalysts at Low Temperature in the Absence and Presence of Water Vapor. <b>2016</b> , 227, 1	15
993	Nitrogen Chemistry and Coke Transformation of FCC Coked Catalyst during the Regeneration Process. <b>2016</b> , 6, 27309	11
992	The Significance of Lewis Acid Sites for the Selective Catalytic Reduction of Nitric Oxide on Vanadium-Based Catalysts. <b>2016</b> , 128, 12168-12173	18
991	KCl-induced deactivation of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalyst during selective catalytic reduction of NO by NH <sub>3</sub> : Comparison of poisoning methods. <b>2016</b> , 296, 1-10	31
990	Effect of V <sub>2</sub> O <sub>5</sub> Additive on the SO <sub>2</sub> Resistance of a Fe <sub>2</sub> O <sub>3</sub> /AC Catalyst for NH <sub>3</sub> -SCR of NO <sub>x</sub> at Low Temperatures. <b>2016</b> , 55, 2677-2685	50
989	Investigation of coating technology and catalytic performance over monolithic V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 503, 53-60	22
988	CeO <sub>2</sub> /TiO <sub>2</sub> monolith catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> : Influence of H <sub>2</sub> O and SO <sub>2</sub> . <b>2016</b> , 32, 461-467	13
987	Surface Tuning of La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> Perovskite Catalysts by Acetic Acid for NO <sub>x</sub> Storage and Reduction. <b>2016</b> , 50, 6442-8	80
986	Cation synergies affect ammonia adsorption over VO <sub>x</sub> and (V,W)O <sub>x</sub> dispersed on FeAl <sub>2</sub> O <sub>3</sub> (0001) and Fe <sub>2</sub> O <sub>3</sub> (0001). <b>2016</b> , 651, 41-50	5
985	Manganese oxide-based catalysts for low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> : A review. <b>2016</b> , 522, 54-69	268
984	Simultaneous removal of elemental mercury and NO from simulated flue gas using a CeO <sub>2</sub> modified V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalyst. <b>2016</b> , 6, 6076-6086	45
983	Influence of catalyst synthesis method on selective catalytic reduction (SCR) of NO by NH <sub>3</sub> with V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 193, 141-150	21.8 93
982	Multifunctional redox-tuned viologen-based covalent organic polymers. <b>2016</b> , 4, 15361-15369	85



981	Promotional effects of Zr on K + -poisoning resistance of CeTiO <sub>x</sub> catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 37, 1354-1361	9
980	DFT insights into the adsorption of NH <sub>3</sub> -SCR related small gases in Mn-MOF-74. <b>2016</b> , 18, 28854-28863	29
979	Fine Particle Transformation during the Limestone Gypsum Desulfurization Process. <b>2016</b> , 30, 9737-9744	13
978	A novel CeBb binary oxide catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 6, 8063-8071	47
977	Self-Protection Mechanism of Hexagonal WO <sub>3</sub> -Based DeNO Catalysts against Alkali Poisoning. <b>2016</b> , 50, 11951-11956	37
976	Why the Low-Temperature Selective Catalytic Reduction Performance of Cr/TiO <sub>2</sub> Is Much Less than That of Mn/TiO <sub>2</sub> : A Mechanism Study. <b>2016</b> , 120, 23511-23522	13
975	Investigation of the Poisoning Mechanism of Lead on the CeO <sub>2</sub> -WO <sub>3</sub> Catalyst for the NH <sub>3</sub> -SCR Reaction via in Situ IR and Raman Spectroscopy Measurement. <b>2016</b> , 50, 9576-82	81
974	Comparison of the Structures and Mechanism of Arsenic Deactivation of CeO <sub>2</sub> /MoO <sub>3</sub> and CeO <sub>2</sub> /WO <sub>3</sub> SCR Catalysts. <b>2016</b> , 120, 18005-18014	43
973	Selective catalytic reduction of nitric oxide with ammonia over high-activity Fe/SSZ-13 and Fe/one-pot-synthesized Cu-SSZ-13 catalysts. <b>2016</b> , 6, 7561-7568	26
972	The enhanced performance of a CeSiO <sub>x</sub> support on a Mn/CeSiO <sub>x</sub> catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 6, 82707-82715	13
971	Novel proposition on mechanism aspects over Fe/Mn/ZSM-5 catalyst for NH <sub>3</sub> -SCR of NO <sub>x</sub> at low temperature: rate and direction of multifunctional electron-transfer-bridge and in situ DRIFTS analysis. <b>2016</b> , 6, 7532-7548	57
970	The Significance of Lewis Acid Sites for the Selective Catalytic Reduction of Nitric Oxide on Vanadium-Based Catalysts. <b>2016</b> , 55, 11989-94	152
969	Three pathways to selective catalytic reduction of NO over Pt/Nb-ALMCM-41 under H <sub>2</sub> with excess O <sub>2</sub> . <b>2016</b> , 6, 7398-7407	9
968	Effects of silica additive on the NH <sub>3</sub> -SCR activity and thermal stability of a V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> catalyst. <b>2016</b> , 37, 1340-1346	32
967	Mechanistic assessments of NO oxidation turnover rates and active site densities on WO <sub>3</sub> -promoted CeO <sub>2</sub> catalysts. <b>2016</b> , 342, 84-97	29
966	Synthesis of Bimetallic MOFs MIL-100(Fe-Mn) as an Efficient Catalyst for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 146, 1956-1964	47
965	Promotional roles of ZrO <sub>2</sub> and WO <sub>3</sub> in V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> -ZrO <sub>2</sub> catalysts for NO <sub>x</sub> reduction by NH <sub>3</sub> : Catalytic performance, morphology, and reaction mechanism. <b>2016</b> , 37, 1918-1930	9
964	Behavior of Lewis and Brønsted surface acidity featured by Ag, Au, Ce, La, Fe, Mn, Pd, Pt, V and W decorated on protonated titanate nanotubes. <b>2016</b> , 236, 235-243	28

963	Impact of nitrogen oxides on the environment and human health: Mn-based materials for the NO <sub>x</sub> abatement. <b>2016</b> , 13, 133-141	256
962	Effect of the properties of MnO <sub>x</sub> /activated carbon and flue gas components on Hg <sup>0</sup> removal at low temperature. <b>2016</b> , 6, 78743-78749	9
961	The influence of Mn-doped CeO <sub>2</sub> on the activity of CuO/CeO <sub>2</sub> in CO oxidation and NO + CO model reaction. <b>2016</b> , 389, 1033-1049	99
960	Comparative Study of Flue Gas Dry Desulphurization and SCR Systems in an Industrial Hazardous Waste Incinerator. <b>2016</b> , 3-14	
959	Role of WO <sub>3</sub> in NO Reduction with NH <sub>3</sub> over V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> : A New Insight from the Kinetic Study. <b>2016</b> , 146, 2242-2251	13
958	Regeneration of sulfur-poisoned CeO <sub>2</sub> catalyst for NH <sub>3</sub> -SCR of NO. <b>2016</b> , 86, 67-71	23
957	Reduction of Nitrogen Oxide by Ammonia over Vanadium Supported on Mixed Tungsten-Titanium-pillared Clays. <b>2016</b> , 45, 872-874	3
956	The effect of Ce on a high-efficiency CeO <sub>2</sub> /WO <sub>3</sub> -TiO <sub>2</sub> catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 6, 64803-64810	20
955	Identification of the arsenic resistance on MoO <sub>3</sub> doped CeO <sub>2</sub> /TiO <sub>2</sub> catalyst for selective catalytic reduction of NO <sub>x</sub> with ammonia. <b>2016</b> , 318, 615-622	56
954	Photocatalytic oxidation of NO over TiO <sub>2</sub> -Graphene catalyst by UV/H <sub>2</sub> O <sub>2</sub> process and enhanced mechanism analysis. <b>2016</b> , 423, 339-346	18
953	The effects of BaO on the catalytic activity of La <sub>1.6</sub> Ba <sub>0.4</sub> NiO <sub>4</sub> in direct decomposition of NO. <b>2016</b> , 423, 277-284	16
952	Ammonia synthesis and by-product formation from H <sub>2</sub> O, H <sub>2</sub> and N <sub>2</sub> by dielectric barrier discharge combined with an Ru/Al <sub>2</sub> O <sub>3</sub> catalyst. <b>2016</b> , 6, 105338-105346	33
951	Promotional effect of phosphorylation on CeSn <sub>0.8</sub> W <sub>0.6</sub> O <sub>x</sub> /TiAl <sub>0.2</sub> Si <sub>0.1</sub> O <sub>y</sub> for NH <sub>3</sub> -SCR of NO from marine diesel exhaust. <b>2016</b> , 34, 1010-1016	5
950	Copper Oxides Supported on Aluminum Oxide Borates for Catalytic Ammonia Combustion. <b>2016</b> , 120, 24734-24742	22
949	Exploring the role of V <sub>2</sub> O <sub>5</sub> in the reactivity of NH <sub>4</sub> HSO <sub>4</sub> with NO on V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> SCR catalysts. <b>2016</b> , 6, 102436-102443	17
948	Cobalt Modification for Improving Potassium Resistance of Mn/Ce-ZrO <sub>2</sub> in Selective Catalytic Reduction. <b>2016</b> , 39, 874-882	9
947	Co-catalytic effect of Al-Cr pillared montmorillonite as a new SCR catalytic support. <b>2016</b> , 91, 2842-2851	11
946	Spatially resolved concentration measurements based on backscatter absorption spectroscopy. <b>2016</b> , 122, 1	5

945	NH <sub>3</sub> selective catalytic reduction of NO: A large surface TiO <sub>2</sub> support and its promotion of V <sub>2</sub> O <sub>5</sub> dispersion on the prepared catalyst. <b>2016</b> , 37, 878-887	12
944	Enhanced NH <sub>3</sub> -SCR activity of Sb-V/CeO <sub>2</sub> /TiO <sub>2</sub> catalyst at low temperatures by synthesis modification. <b>2016</b> , 42, 155-169	10
943	NH <sub>3</sub> -SCR reaction mechanisms of NbO <sub>x</sub> /Ce <sub>0.75</sub> Zr <sub>0.25</sub> O <sub>2</sub> catalyst: DRIFTS and kinetics studies. <b>2016</b> , 423, 172-180	80
942	Surface phenomenon of CeO <sub>2</sub> -added V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst based chemical vapor condensation (CVC) for enhanced selective catalytic reduction at low temperatures. <b>2016</b> , 304, 72-78	15
941	Comparison study of Cu-Fe-Ti and Co-Fe-Ti oxide catalysts for selective catalytic reduction of NO with NH <sub>3</sub> at low temperature. <b>2016</b> , 478, 11-21	29
940	Hollow anatase TiO <sub>2</sub> nanoparticles with excellent catalytic activity for dichloromethane combustion. <b>2016</b> , 6, 61610-61614	6
939	An efficient novel regeneration method for Ca-poisoning V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalyst. <b>2016</b> , 87, 45-48	33
938	Novel Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> catalyst with remarkable performance for the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2016</b> , 6, 6688-6696	79
937	Activity enhancement of WO <sub>3</sub> modified Fe <sub>2</sub> O <sub>3</sub> catalyst for the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2016</b> , 299, 255-262	121
936	The reaction mechanism for the SCR process on monomer V(5+) sites and the effect of modified Brønsted acidity. <b>2016</b> , 18, 17071-80	42
935	Supported metal sulfates on Ce <sub>2</sub> /TiO <sub>x</sub> as catalysts for NH <sub>3</sub> -SCR of NO: High resistances to SO <sub>2</sub> and potassium. <b>2016</b> , 36, 271-278	38
934	Experimental evidence of NO SCR mechanism in the presence of the BEA zeolite with framework and extra-framework cobalt species. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 198, 457-470	21.8 16
933	Promotional effect of H <sub>3</sub> PO <sub>4</sub> on ceria catalyst for selective catalytic reduction of NO by NH <sub>3</sub> . <b>2016</b> , 37, 300-307	22
932	Promotion of redox and stability features of doped Ce <sub>2</sub> /TiO <sub>2</sub> for NH <sub>3</sub> -SCR reaction over a wide temperature range. <b>2016</b> , 379, 316-322	56
931	The catalytic performance of Mn/TiWO catalyst for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2016</b> , 181, 852-858	65
930	Investigation of the promotion effect of WO <sub>3</sub> on the decomposition and reactivity of NH <sub>4</sub> HSO <sub>4</sub> with NO on V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> SCR catalysts. <b>2016</b> , 6, 55584-55592	31
929	Promotional Effect of Molybdenum Additives on Catalytic Performance of CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> for Selective Catalytic Reduction of NO <sub>x</sub> . <b>2016</b> , 146, 1221-1230	11
928	Removal of elemental mercury by TiO <sub>2</sub> doped with WO <sub>3</sub> and V <sub>2</sub> O <sub>5</sub> for their photo- and thermo-catalytic removal mechanisms. <b>2016</b> , 23, 5839-52	5

927	Resistance to SO <sub>2</sub> poisoning of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> -PILC catalyst for the selective catalytic reduction of NO by NH <sub>3</sub> . <b>2016</b> , 37, 888-897	21
926	A general and inherent strategy to improve the water tolerance of low temperature NH <sub>3</sub> -SCR catalysts via trace SiO <sub>2</sub> deposition. <b>2016</b> , 84, 75-79	19
925	Elucidation of Anchoring and Restructuring Steps during Synthesis of Silica-Supported Vanadium Oxide Catalysts. <b>2016</b> , 28, 5495-5504	31
924	CeO <sub>2</sub> -TiO <sub>2</sub> catalyst prepared by physical mixing for NH <sub>3</sub> selective catalytic reduction: Evidence about the migration of sulfates from TiO <sub>2</sub> to CeO <sub>2</sub> via simple calcination. <b>2016</b> , 33, 2547-2554	12
923	Selective catalytic reduction of nitric oxide with hydrogen on supported Pd: Enhancement by hydrogen spillover. <b>2016</b> , 514, 35-42	42
922	Chemical deactivation of commercial vanadium SCR catalysts in diesel emission control application. <b>2016</b> , 287, 680-690	49
921	Effect of Selective Catalytic Reduction System on Fine Particle Emission Characteristics. <b>2016</b> ,	7
920	Cerium-Stabilized Cu-SSZ-13 Catalyst for the Catalytic Removal of NO <sub>x</sub> by NH <sub>3</sub> . <b>2016</b> , 55, 1174-1182	56
919	The role of CO <sub>2</sub> in the dehydrogenation of propane over WO <sub>3</sub> /SiO <sub>2</sub> . <b>2016</b> , 335, 1-10	55
918	Promoting the low temperature activity of TiO <sub>2</sub> catalysts by premixed flame synthesis. <b>2016</b> , 296, 45-55	12
917	DRIFT studies on promotion mechanism of H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> in selective catalytic reduction of NO with NH <sub>3</sub> . <b>2016</b> , 461, 9-14	71
916	CeO <sub>2</sub> added V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst prepared by chemical vapor condensation (CVC) and impregnation method for enhanced NH <sub>3</sub> -SCR of NO <sub>x</sub> at low temperature. <b>2016</b> , 4, 556-563	30
915	Ceria-based catalysts for low-temperature selective catalytic reduction of NO with NH <sub>3</sub> . <b>2016</b> , 6, 1248-1264	217
914	Effect of CeO <sub>2</sub> for a high-efficiency CeO <sub>2</sub> /WO <sub>3</sub> -TiO <sub>2</sub> catalyst on N <sub>2</sub> O formation in NH <sub>3</sub> -SCR: a kinetic study. <b>2016</b> , 6, 3149-3155	34
913	Chemical poison and regeneration of SCR catalysts for NO <sub>x</sub> removal from stationary sources. <b>2016</b> , 10, 413-427	79
912	MCM-41 modified with iron by template ion-exchange method as effective catalyst for DeNO <sub>x</sub> and NH <sub>3</sub> -SCO processes. <b>2016</b> , 295, 167-180	22
911	Pt-Doped NiFe <sub>2</sub> O <sub>4</sub> Spinel as a Highly Efficient Catalyst for H <sub>2</sub> -Selective Catalytic Reduction of NO at Room Temperature. <b>2016</b> , 18, 195-202	24
910	Poisoning effect of SO <sub>2</sub> on Mn-Ce/TiO <sub>2</sub> catalysts for NO reduction by NH <sub>3</sub> at low temperature. <b>2016</b> , 44, 232-238	17

909	Performances of CuSO <sub>4</sub> /TiO <sub>2</sub> catalysts in selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2016</b> , 37, 281-287	25
908	Selective catalytic reduction of NO by NH <sub>3</sub> with WO <sub>3</sub> -TiO <sub>2</sub> catalysts: Influence of catalyst synthesis method. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 123-133	21.8 43
907	Selective Transformation of Various Nitrogen-Containing Exhaust Gases toward N <sub>2</sub> over Zeolite Catalysts. <b>2016</b> , 116, 3658-721	240
906	Selective catalytic reduction of NO <sub>x</sub> with H <sub>2</sub> over WO <sub>3</sub> promoted Pt/TiO <sub>2</sub> catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 189-197	21.8 46
905	W/Mn1 NO <sub>x</sub> Catalysts Synthesized by a One-Step Urea Co-precipitation Method for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> at Low Temperatures. <b>2016</b> , 30, 1810-1814	16
904	Selective catalytic reduction over size-tunable rutile TiO <sub>2</sub> nanorod microsphere-supported CeO <sub>2</sub> catalysts. <b>2016</b> , 6, 4478-4490	24
903	β-Cyclodextrin supported MoO <sub>3</sub> /CeO <sub>2</sub> nanocomposite material as an efficient heterogeneous catalyst for degradation of phenol. <b>2016</b> , 6, 28679-28687	19
902	Deactivation mechanism of arsenic and resistance effect of SO <sub>2</sub> on commercial catalysts for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2016</b> , 293, 118-128	65
901	Characteristics of NO <sub>x</sub> emission from Chinese coal-fired power plants equipped with new technologies. <b>2016</b> , 131, 164-170	59
900	Manipulating Surface Potentials of Metal Oxides Using Semiconductor Heterojunctions. <b>2016</b> , 120, 5486-5494	3
899	Novel metal loaded KIT-6 catalysts and their applications in the catalytic combustion of chlorobenzene. <b>2016</b> , 294, 362-370	59
898	Effect of synthesis methods on activity of V <sub>2</sub> O <sub>5</sub> /CeO <sub>2</sub> /WO <sub>3</sub> -TiO <sub>2</sub> catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 34, 259-267	21
897	Effect of H <sub>2</sub> O and SO <sub>2</sub> on the Selective Catalytic Reduction of NO with NH <sub>3</sub> Over Ce/TiO <sub>2</sub> Catalyst: Mechanism and Kinetic Study. <b>2016</b> , 120, 1066-1076	57
896	Enhancement of performance and sulfur resistance of ceria-doped V/Sb/Ti by sulfation for selective catalytic reduction of NO <sub>x</sub> with ammonia. <b>2016</b> , 6, 1169-1181	18
895	Manganese Oxide Nanoarchitectures as Broad-Spectrum Sorbents for Toxic Gases. <b>2016</b> , 8, 1184-93	27
894	Mechanistic insight into the selective catalytic reduction of NO by NH <sub>3</sub> over low-valent titanium-porphyrin: a DFT study. <b>2016</b> , 6, 3878-3885	21
893	Mechanistic study of selective catalytic reduction of NO with NH <sub>3</sub> over highly dispersed Fe <sub>2</sub> O <sub>3</sub> loaded on Fe-ZSM-5. <b>2016</b> , 6, 6300-6307	10
892	Structural characterizations of fluoride doped CeTi nanoparticles and its differently promotional mechanisms on ozonation for low-temperature removal of NO <sub>x</sub> (x = 1, 2). <b>2016</b> , 286, 549-559	30

891	Mechanism of arsenic poisoning on SCR catalyst of CeW/Ti and its novel efficient regeneration method with hydrogen. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 184, 246-257	21.8	111
890	Promotional effects of zirconium doped CeVO <sub>4</sub> for the low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 183, 269-281	21.8	113
889	Density function theoretical and experimental study of NH <sub>3</sub> + NO adsorptions on MnO <sub>2</sub> /TiO <sub>2</sub> surface. <b>2016</b> , 112, 238-244		18
888	Poisoning of vanadia based SCR catalysts by potassium: influence of catalyst composition and potassium mobility. <b>2016</b> , 6, 2249-2260		22
887	Copper based catalysts for the selective ammonia oxidation into nitrogen and water vapourRecent trends and open challenges. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 181, 332-351	21.8	124
886	MnO supported on Fe <sub>3</sub> O <sub>4</sub> spinel: A novel Mn based low temperature SCR catalyst with a high N <sub>2</sub> selectivity. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 181, 570-580	21.8	144
885	A highly efficient CeWO <sub>x</sub> catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 6, 1195-1200		52
884	Relationship between the molecular structure of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts and the reactivity of SO <sub>2</sub> oxidation. <b>2016</b> , 6, 1187-1194		36
883	Identification of the reaction pathway and reactive species for the selective catalytic reduction of NO with NH <sub>3</sub> over cerium/biobium oxide catalysts. <b>2016</b> , 6, 2136-2142		35
882	The behaviors of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> loaded on ceramic surfaces for NH <sub>3</sub> SCR. <b>2016</b> , 33, 262-269		22
881	Enhancement of SCR activity and SO <sub>2</sub> resistance on VO <sub>x</sub> /TiO <sub>2</sub> catalyst by addition of molybdenum. <b>2016</b> , 284, 315-324		105
880	WO <sub>3</sub> promoted Mn <sub>2</sub> /r mixed oxide catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 283, 1044-1050		90
879	New insights into the various decomposition and reactivity behaviors of NH <sub>4</sub> HSO <sub>4</sub> with NO on V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst surfaces. <b>2016</b> , 283, 846-854		76
878	SnO <sub>2</sub> modified Ce <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>x</sub> catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2016</b> , 117, 119-128		15
877	Comparison of MoO <sub>3</sub> and WO <sub>3</sub> on arsenic poisoning V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst: DRIFTS and DFT study. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 181, 692-698	21.8	86
876	Nitrogen oxide removal over hydrotalcite-derived mixed metal oxides. <b>2016</b> , 6, 49-72		71
875	Surface Ba species effective for photoassisted NO <sub>x</sub> storage over Ba-modified TiO <sub>2</sub> photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 180, 283-290	21.8	15
874	Promotional effect of Nb additive on the activity and hydrothermal stability for the selective catalytic reduction of NO with NH <sub>3</sub> over CeZrO catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 180, 766-774	21.8	115

873	In situ FT-IR study of highly dispersed MnO <sub>x</sub> /SAPO-34 catalyst for low-temperature selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2017</b> , 281, 610-620	58
872	Effect of Molybdenum on the Behavior of Sulfated and Non-sulfated Titanium Pillared Clay in the Selective Catalytic Reduction of NO by Ammonia. <b>2017</b> , 60, 230-237	
871	Integrated removal of NO and mercury from coal combustion flue gas using manganese oxides supported on TiO <sub>2</sub> . <b>2017</b> , 53, 141-150	37
870	Efficient VO <sub>x</sub> /Ce <sub>1-x</sub> Ti <sub>x</sub> O <sub>2</sub> Catalysts for Low-Temperature NH <sub>3</sub> -SCR: Reaction Mechanism and Active Sites Assessed by in Situ/Operando Spectroscopy. <b>2017</b> , 7, 1693-1705	118
869	Activating effect of cerium in hydrotalcite derived Cu <sub>2</sub> MgAl catalysts for selective ammonia oxidation and the selective reduction of NO with ammonia. <b>2017</b> , 121, 225-240	12
868	A complete reaction mechanism for standard and fast selective catalytic reduction of nitrogen oxides on low coverage VO <sub>x</sub> /TiO <sub>2</sub> (0 0 1) catalysts. <b>2017</b> , 346, 188-197	74
867	Research on SCR of NO with CO over the Cu 0.1 La 0.1 Ce 0.8 O mixed-oxide catalysts: Effect of the grinding. <b>2017</b> , 430, 43-53	31
866	Novel Ce-W-Sb mixed oxide catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2017</b> , 401, 7-16	50
865	Effects of steam introduction on deactivation of Fe-BEA catalyst in NH <sub>3</sub> -SCR of N <sub>2</sub> O and NO. <b>2017</b> , 48, 194-201	14
864	A sol-gel Ti-Al-Ce-nanoparticle catalyst for simultaneous removal of NO and Hg <sup>0</sup> from simulated flue gas. <b>2017</b> , 313, 1535-1547	49
863	CrO <sub>3</sub> supported on sargassum-based activated carbon as low temperature catalysts for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2017</b> , 191, 511-517	40
862	Influence of different supports on the physicochemical properties and denitration performance of the supported Mn-based catalysts for NH <sub>3</sub> -SCR at low temperature. <b>2017</b> , 402, 208-217	87
861	Low-Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> over Fe <sub>2</sub> O <sub>3</sub> Catalysts. <b>2017</b> , 23, 35-42	8
860	Selective catalytic reduction of NO with NH <sub>3</sub> over MoFe/beta catalysts: the effect of Mo loading amounts. <b>2017</b> , 7, 7130-7139	18
859	SO <sub>2</sub> promotion in NH <sub>3</sub> -SCR reaction over V <sub>2</sub> O <sub>5</sub> /SiC catalyst at low temperature. <b>2017</b> , 194, 36-41	12
858	Improvement in activity and alkali resistance of a novel V-Ce(SO <sub>4</sub> ) <sub>2</sub> /Ti catalyst for selective catalytic reduction of NO with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 206, 449-460	21.8 82
857	Characteristics of selective catalytic reduction (SCR) catalyst adding graphene-tungsten nanocomposite. <b>2017</b> , 93, 15-19	14
856	Activity of Selective Catalytic Reduction of NO over V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> Catalysts Preferentially Exposed Anatase {001} and {101} Facets. <b>2017</b> , 147, 934-945	20



855	Selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> over CeO <sub>2</sub> supported on TiO <sub>2</sub> : Comparison of anatase, brookite, and rutile. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 208, 82-93	21.8	124
854	Comparison of titania nanotubes and titanium dioxide as supports of low-temperature selective catalytic reduction catalysts under sulfur dioxide poisoning. <b>2017</b> , 67, 292-305		12
853	Influence of sulfation on CeO <sub>2</sub> -ZrO <sub>2</sub> catalysts for NO reduction with NH <sub>3</sub> . <b>2017</b> , 38, 160-167		10
852	Catalytic effects of calcium and potassium on a curved char surface in fuel reburning: A first-principles study on the adsorption of nitric oxide on single-wall carbon nanotubes with metal decoration. <b>2017</b> , 125, 459-469		11
851	CeO(2) supported on reduced TiO(2) for selective catalytic reduction of NO by NH(3). <b>2017</b> , 496, 487-495		55
850	Preparation of silicon carbide-supported vanadium oxide and its application of removing NO by ammonia. <b>2017</b> , 123, 1		0
849	WITHDRAWN: Novel Vanadium supported onto mixed Molybdenum-Titanium Pillared Clay catalysts for the low temperature SCR-NO by NH <sub>3</sub> . <b>2017</b> ,		6
848	Inhibition effect of HBr over a commercial V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalyst in a NH <sub>3</sub> -SCR process. <b>2017</b> , 94, 82-85		10
847	High calcium resistance of CeO <sub>2</sub> -WO <sub>3</sub> SCR catalysts: Structure investigation and deactivation analysis. <b>2017</b> , 317, 70-79		59
846	Effect of Pr/Ce addition on the catalytic performance and SO <sub>2</sub> resistance of highly dispersed MnO <sub>x</sub> /SAPO-34 catalyst for NH <sub>3</sub> -SCR at low temperature. <b>2017</b> , 316, 1059-1068		60
845	Enhancement of washcoat adhesion for SCR catalysts to convert nitrogen oxide using powder spray coating of TiO <sub>2</sub> on metallic honeycomb substrate. <b>2017</b> , 94, 1-4		15
844	Local Structures and Catalytic Ammonia Combustion Properties of Copper Oxides and Silver Supported on Aluminum Oxides. <b>2017</b> , 121, 4188-4196		15
843	Study of nitric oxide catalytic oxidation on manganese oxides-loaded activated carbon at low temperature. <b>2017</b> , 413, 387-397		23
842	Promotional effect of CeO <sub>2</sub> on the propene poisoning resistance of HBEA zeolite catalyst for NH <sub>3</sub> -SCR of NO <sub>x</sub> . <b>2017</b> , 433, 265-273		18
841	Density functional study on the heterogeneous oxidation of NO over Fe <sub>2</sub> O <sub>3</sub> catalyst by H <sub>2</sub> O <sub>2</sub> : Effect of oxygen vacancy. <b>2017</b> , 413, 292-301		39
840	Effects of SO <sub>2</sub> on the low temperature selective catalytic reduction of NO by NH <sub>3</sub> over CeO <sub>2</sub> -V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalysts. <b>2017</b> , 11, 1		11
839	Selective catalytic reduction of NO with NH <sub>3</sub> over the SAPO-34 supported transition metal nanocatalysts. <b>2017</b> , 121, 773-783		6
838	The effects of calcination atmosphere on the catalytic performance of Ce-doped TiO <sub>2</sub> catalysts for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2017</b> , 7, 23348-23354		16

837	Highly Efficient Mesoporous V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> •TiO <sub>2</sub> Catalyst for Selective Catalytic Reduction of NO <sub>x</sub> : Effect of the Valence of V on the Catalytic Performance. <b>2017</b> , 21, 103-113	14
836	Active Tetrahedral Iron Sites of γ-Fe <sub>2</sub> O <sub>3</sub> Catalyzing NO Reduction by NH <sub>3</sub> . <b>2017</b> , 4, 246-250	29
835	DeNO <sub>x</sub> performance and characteristic study for transition metals doped iron based catalysts. <b>2017</b> , 34, 1229-1237	6
834	The poisoning effects of calcium on V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalyst for the SCR reaction: Comparison of different forms of calcium. <b>2017</b> , 434, 16-24	41
833	Decomposition behavior of ammonium nitrate on ceria catalysts and its role in the NH <sub>3</sub> -SCR reaction. <b>2017</b> , 7, 2531-2541	17
832	Influence of soot on ammonia adsorption and catalytic DeNO <sub>x</sub> -properties of diesel particulate filters coated with SCR-catalysts. <b>2017</b> , 168, 423-436	7
831	Promotional Effects of Ti on a CeO-MoO Catalyst for the Selective Catalytic Reduction of NO with NH <sub>3</sub> . <b>2017</b> , 9, 16951-16958	66
830	Rationally Designed Porous MnO-FeO Nanoneedles for Low-Temperature Selective Catalytic Reduction of NO by NH <sub>3</sub> . <b>2017</b> , 9, 16117-16127	99
829	MoO <sub>3</sub> •TiO <sub>2</sub> synergy in oxidative dehydrogenation of lactic acid to pyruvic acid. <b>2017</b> , 19, 3014-3022	35
828	Iron-niobium composite oxides for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2017</b> , 97, 111-115	11
827	Tuning electronic states of catalytic sites enhances SCR activity of hexagonal WO <sub>3</sub> by Mo framework substitution. <b>2017</b> , 7, 2467-2473	5
826	Iron-manganese-magnesium mixed oxides catalysts for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2017</b> , 34, 1858-1866	7
825	Enhanced Performance of Ceria-Based NO Reduction Catalysts by Optimal Support Effect. <b>2017</b> , 51, 473-478	64
824	Activation of fast selective catalytic reduction of NO by NH <sub>3</sub> at low temperature over TiO <sub>2</sub> modified CuOX-CeOX composites. <b>2017</b> , 91, 53-56	10
823	Catalytic combustion of chlorobenzene over core-shell Mn/TiO <sub>2</sub> catalysts. <b>2017</b> , 24, 821-828	6
822	Catalytic activity of Ru/La <sub>1.6</sub> Ba <sub>0.4</sub> NiO <sub>4</sub> perovskite-like catalyst for NO + CO reaction: Interaction between Ru and La <sub>1.6</sub> Ba <sub>0.4</sub> NiO <sub>4</sub> . <b>2017</b> , 437, 37-46	10
821	A review of Mn-containing oxide catalysts for low temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> : reaction mechanism and catalyst deactivation. <b>2017</b> , 7, 26226-26242	92
820	The poisoning effects of phosphorus on CeO <sub>2</sub> -MoO <sub>3</sub> /TiO <sub>2</sub> DeNO <sub>x</sub> catalysts: NH <sub>3</sub> -SCR activity and the formation of N <sub>2</sub> O. <b>2017</b> , 439, 15-24	17

819	Catalytic oxidation of nitric oxide (NO) over different catalysts: an overview. <b>2017</b> , 7, 3440-3452	91
818	Porous MnO <sub>x</sub> for low-temperature NH <sub>3</sub> -SCR of NO <sub>x</sub> : the intrinsic relationship between surface physicochemical property and catalytic activity. <b>2017</b> , 19, 1	10
817	Insights into the mechanism for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> on (MnO) <sub>2</sub> /ZSM-5: A DFT study. <b>2017</b> , 16, 1750030	3
816	Investigation of low-temperature hydrothermal stability of Cu-SAPO-34 for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2017</b> , 38, 918-927	25
815	Atmospheric NO <sub>x</sub> removal: Study of cement mortars with iron- and vanadium-doped TiO <sub>2</sub> as visible light-sensitive photocatalysts. <b>2017</b> , 149, 257-271	38
814	Functional-membrane coated Mn-La-Ce-Ni-O <sub>x</sub> catalysts for selective catalytic reduction NO by NH <sub>3</sub> at low-temperature. <b>2017</b> , 94, 47-51	14
813	The influence factors on CeSn <sub>0.8</sub> W <sub>0.6</sub> O <sub>x</sub> /TiO <sub>2</sub> for catalytic removals of NO, CO and C <sub>3</sub> H <sub>8</sub> . <b>2017</b> , 51, 229-236	10
812	The Initial Stages of NH <sub>3</sub> and NO Adsorption On (Mo <sub>2</sub> O <sub>5</sub> ) <sub>2</sub> /HZSM-5 with Two Adjacent Unsaturated fiveFold Mo Sites in SCR Reaction: A Cluster DFT Study. <b>2017</b> , 147, 1006-1018	3
811	Promotion of transition metal oxides on the NH <sub>3</sub> -SCR performance of ZrO <sub>2</sub> -CeO <sub>2</sub> catalyst. <b>2017</b> , 11, 1	15
810	Synergistic effect between copper and cerium on the performance of Cu <sub>x</sub> -Ce <sub>0.5-x</sub> -Zr <sub>0.5</sub> (x = 0.10.5) oxides catalysts for selective catalytic reduction of NO with ammonia. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 223-234	21.8 97
809	Effects of microporous TiO <sub>2</sub> support on the catalytic and structural properties of V <sub>2</sub> O <sub>5</sub> /microporous TiO <sub>2</sub> for the selective catalytic reduction of NO by NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 421-431	21.8 57
808	Magnetically responsive catalytic sorbent for removal of Hg <sub>0</sub> and NO. <b>2017</b> , 160, 158-169	21
807	An investigation of mass transfer-reaction kinetics of NO absorption by wet scrubbing using an electrolyzed seawater solution. <b>2017</b> , 7, 18821-18829	3
806	NO <sub>x</sub> selective catalytic reduction (SCR) on self-supported V/W-doped TiO <sub>2</sub> nanofibers. <b>2017</b> , 41, 3466-3472	22
805	Facile embedding of single vanadium atoms at the anatase TiO <sub>2</sub> (101) surface. <b>2017</b> , 19, 9424-9431	11
804	Improvement of Nb Doping on SO <sub>2</sub> Resistance of VO <sub>x</sub> /CeO <sub>2</sub> Catalyst for the Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2017</b> , 121, 7803-7809	37
803	Design strategies for SCR catalysts with improved N <sub>2</sub> selectivity: the significance of nano-confining effects by titanate nanotubes. <b>2017</b> , 4, 437-447	26
802	Effect of MoO <sub>3</sub> on vanadium based catalysts for the selective catalytic reduction of NO with NH <sub>3</sub> at low temperature. <b>2017</b> , 56, 169-179	19

801	The mechanism of selective catalytic reduction of NO on Cu-SSZ-13 - a computational study. <b>2017</b> , 46, 369-377		6
800	Tailoring dual redox-acid functionalities in VO <sub>x</sub> /TiO <sub>2</sub> /ZSM5 catalyst for simultaneous abatement of PCDD/Fs and NO <sub>x</sub> from municipal solid waste incineration. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 205, 310-318	21.8	30
799	Ligand-assisted mechanochemical synthesis of ceria-based catalysts for the selective catalytic reduction of NO by NH <sub>3</sub> . <b>2017</b> , 53, 1321-1324		19
798	Acidity, surface species, and catalytic activity study on V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> nanotube catalysts for selective NO reduction by NH <sub>3</sub> . <b>2017</b> , 198, 123-133		57
797	Nature of Active Sites and Surface Intermediates during SCR of NO with NH <sub>3</sub> by Supported VO <sub>2</sub> -WO <sub>3</sub> /TiO <sub>2</sub> Catalysts. <b>2017</b> , 139, 15624-15627		155
796	Effect of Ce doping into V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalysts on the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2017</b> , 35, 1206-1215		24
795	MnO -CeO <sub>2</sub> supported on Cu-SSZ-13: A novel SCR catalyst in a wide temperature range. <b>2017</b> , 547, 146-154		48
794	Selective catalytic reduction of NO with NH <sub>3</sub> on mixed alumina-iron (III) oxide pillared montmorillonite (heto) Arizona, modified with hexaminecobalt (III) chloride. <b>2017</b> , 35, 825-833		9
793	Impacts of Pb and SO Poisoning on CeO-WO <sub>3</sub> /TiO <sub>2</sub> -SiO <sub>2</sub> SCR Catalyst. <b>2017</b> , 51, 11943-11949		61
792	Urea Decomposition in Selective Catalytic Reduction on V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> Catalyst in Diesel Exhaust. <b>2017</b> , 40, 2035-2043		13
791	Modeling Deactivation of Catalysts for Selective Catalytic Reduction of NO <sub>x</sub> by KCl Aerosols. <b>2017</b> , 56, 13020-13033		4
790	Mechanistic investigation of the different poisoning mechanisms of Cl and P on Mn/TiO <sub>2</sub> catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2017</b> , 80, 314-325		6
789	Challenges and breakthroughs in post-combustion catalysis: how to match future stringent regulations. <b>2017</b> , 7, 5195-5211		20
788	Tuning the property of Mn-Ce composite oxides by titanate nanotubes to improve the activity, selectivity and SO <sub>2</sub> /H <sub>2</sub> O tolerance in middle temperature NH <sub>3</sub> -SCR reaction. <b>2017</b> , 167, 221-228		54
787	The enhancement of Zn resistance of Mn/TiO <sub>2</sub> catalyst for NH <sub>3</sub> -SCR reaction by the modification with Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> . <b>2017</b> , 78, 370-377		13
786	The synergistic effects of cerium presence in the framework and the surface resistance to SO <sub>2</sub> and H <sub>2</sub> O in NH <sub>3</sub> -SCR. <b>2017</b> , 56, 108-119		36
785	Studies on the calcium poisoning and regeneration of commercial De-NO <sub>x</sub> SCR catalyst. <b>2017</b> , 71, 1921-1928		5
784	Support effect of the supported ceria-based catalysts during NH <sub>3</sub> -SCR reaction. <b>2017</b> , 38, 1423-1430		21

783	Synthesis, characterization and activity evaluation of Cu-based catalysts derived from layered double hydroxides (LDHs) for DeNO <sub>x</sub> reaction. <b>2017</b> , 330, 1082-1090		27
782	Coexistence of enhanced Hg <sup>0</sup> oxidation and induced Hg <sup>2+</sup> reduction on CuO/TiO <sub>2</sub> catalyst in the presence of NO and NH <sub>3</sub> . <b>2017</b> , 330, 1248-1254		35
781	Reaction Pathways and Kinetics for Selective Catalytic Reduction (SCR) of Acidic NO <sub>x</sub> Emissions from Power Plants with NH <sub>3</sub> . <b>2017</b> , 7, 8358-8361		49
780	A neutral and coordination regeneration method of Ca-poisoned V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> SCR catalyst. <b>2017</b> , 100, 112-116		23
779	NO <sub>x</sub> Sensing Characteristics of Semiconductor Gas Sensors under Controlled Oxygen Activity Conditions Using a Proton-Conducting Electrolyte. <b>2017</b> , 164, B397-B402		11
778	Development of stable and efficient CeVO <sub>4</sub> systems for the selective reduction of NO <sub>x</sub> by ammonia: Structure-activity relationship. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 218, 338-348	21.8	61
777	NH <sub>3</sub> -SCR of NO over one-pot Cu-SAPO-34 catalyst: Performance enhancement by doping Fe and MnCe and insight into N <sub>2</sub> O formation. <b>2017</b> , 543, 247-256		39
776	Comparative catalytic evaluation of nickel and cobalt substituted phosphomolybdic acid catalyst supported on silica for hydrodesulfurization of thiophene. <b>2017</b> , 21, 965-973		10
775	Simulation of NO <sub>x</sub> and soot abatement with Cu-Cha and Fe-ZSM5 catalysts. <b>2017</b> , 63, 238-248		4
774	Effect of the preparation method on activity of Cu-ZSM-5 nanocatalyst for the selective reduction of NO by NH <sub>3</sub> . <b>2017</b> , 38, 1852-1861		3
773	Impact of the surface heterogeneity of commercial V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalysts on the NH <sub>3</sub> -SCR of NO <sub>x</sub> reaction by kinetic modelling. <b>2017</b> , 43, 1409-1428		3
772	Novel CeO@TiO <sub>2</sub> core-shell nanostructure catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2017</b> , 55, 129-136		27
771	Mechanistic investigation of the enhanced NH <sub>3</sub> -SCR on cobalt-decorated Ce-Ti mixed oxide: In situ FTIR analysis for structure-activity correlation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 200, 297-308	21.8	276
770	Recent advances in the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> on Cu-Chabazite catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 202, 346-354	21.8	222
769	A comparative study of metal oxide and sulfate catalysts for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2017</b> , 38, 1285-1294		10
768	The different poisoning behaviors of various alkali metal containing compounds on SCR catalyst. <b>2017</b> , 392, 162-168		30
767	Photocatalytic removal of NO from coal-fired flue gas by H <sub>2</sub> O <sub>2</sub> /UV reaction over TiS catalyst. <b>2017</b> , 691, 1005-1017		17
766	In situ preparation of mesoporous Fe/TiO <sub>2</sub> catalyst using Pluronic F127-assisted sol-gel process for mid-temperature NH <sub>3</sub> selective catalytic reduction. <b>2017</b> , 38, 1831-1841		10

765	Nanocrystalline V <sub>2</sub> O <sub>5</sub> ,WO <sub>3</sub> /(CeO <sub>2</sub> -TiO <sub>2</sub> ) and V <sub>2</sub> O <sub>5</sub> ,WO <sub>3</sub> /(Y <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> ) catalysts with enhance thermal stability and activity in the reduction of NO with NH <sub>3</sub> into N <sub>2</sub> . <b>2017</b> , 4, 11490-11494	3
764	Effects of surface physicochemical properties on NH <sub>3</sub> -SCR activity of MnO <sub>2</sub> catalysts with different crystal structures. <b>2017</b> , 38, 1925-1934	33
763	Study of the V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> Catalyst Synthesized from Waste Catalyst on Selective Catalytic Reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2017</b> , 7, 110	29
762	Catalysis for a Sustainable Chemicals Production, Environment, and the Future. <b>2017</b> , 621-628	1
761	Effect of Ce/Y Addition on Low-Temperature SCR Activity and SO <sub>2</sub> and H <sub>2</sub> O Resistance of MnO <sub>x</sub> /ZrO <sub>2</sub> /MWCNTs Catalysts. <b>2017</b> , 7, 181	10
760	Experimental Research of an Active Solution for Modeling In Situ Activating Selective Catalytic Reduction Catalyst. <b>2017</b> , 7, 258	3
759	Simultaneous Adsorption/Oxidation of NO and SO <sub>2</sub> over Al <sub>2</sub> O <sub>3</sub> Composite Metal Oxides Supported on MCM-41 at Low Temperature. <b>2017</b> , 50, 376-382	5
758	Simple Strategy Generating Hydrothermally Stable Core-Shell Platinum Catalysts with Tunable Distribution of Acid Sites. <b>2018</b> , 8, 2796-2804	23
757	Analysis of Photocatalytic Nitrogen Fixation on Rutile TiO <sub>2</sub> (110). <b>2018</b> , 6, 4648-4660	61
756	Effect of Pyrite Pretreatment, Particle Size, Dose, and Biomass Concentration on Particulate Pyrite Autotrophic Denitrification of Nitrified Domestic Wastewater. <b>2018</b> , 35, 875-886	15
755	Promoting Effect of Organic Ligand on the Performance of Ceria for the Selective Catalytic Reduction of NO by NH <sub>3</sub> . <b>2018</b> , 3, 2683-2691	6
754	Template-free synthesis of hierarchically macro-mesoporous Mn-TiO <sub>2</sub> catalysts for selective reduction of NO with NH <sub>3</sub> . <b>2018</b> , 12, 43-49	6
753	Novel multi-metal containing MnCr catalyst made from manganese slag and chromium wastewater for effective selective catalytic reduction of nitric oxide at low temperature. <b>2018</b> , 183, 917-924	29
752	Investigating the role of H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> in the acidity, oxidability and activity of H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> -Fe <sub>2</sub> O <sub>3</sub> catalysts for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2018</b> , 448, 177-184	8
751	Template-free synthesis of vanadium sesquioxide (V <sub>2</sub> O <sub>3</sub> ) nanosheets and their room-temperature sensing performance. <b>2018</b> , 6, 6402-6413	35
750	The smart surface modification of Fe <sub>2</sub> O <sub>3</sub> by WO <sub>x</sub> for significantly promoting the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 230, 165-176	21.8 103
749	Coverage-dependent oxidation and reduction of vanadium supported on anatase TiO <sub>2</sub> (1 0 1). <b>2018</b> , 360, 118-126	15
748	The Keggin Structure: An Important Factor in Governing NH <sub>3</sub> SCR Activity Over the V <sub>2</sub> O <sub>5</sub> /MoO <sub>3</sub> /TiO <sub>2</sub> Catalyst. <b>2018</b> , 148, 1228-1235	16

747	Denitrification Activities of Mo-V-Ti Catalysts Prepared by Dipping Method at Low Temperature. <b>2018</b> , 913, 900-906	
746	Study of Fe-doped V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalyst for an enhanced NH <sub>3</sub> -SCR in diesel exhaust aftertreatment. <b>2018</b> , 72, 1981-1989	5
745	Molecular-Level Insight into Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> to N <sub>2</sub> over a Highly Efficient Bifunctional Va-MnO <sub>x</sub> Catalyst at Low Temperature. <b>2018</b> , 8, 4937-4949	59
744	Energy industry. <b>2018</b> , 3,	1
743	NO <sub>x</sub> Storage and Reduction Coupled with Selective Catalytic Reduction for NO <sub>x</sub> Removal in Light-Duty Vehicles. <b>2018</b> , 10, 2928-2940	10
742	Copper-based non-precious metal heterogeneous catalysts for environmental remediation. <b>2018</b> , 39, 566-582	40
741	One-pot synthesis of ceria and cerium phosphate (CeO-CePO) nanorod composites for selective catalytic reduction of NO with NH <sub>3</sub> : Active sites and reaction mechanism. <b>2018</b> , 524, 8-15	26
740	Preparation of Fe <sub>2</sub> O <sub>3</sub> Catalysts and their deNO <sub>x</sub> Performance: Effects of Precipitation Conditions. <b>2018</b> , 41, 1019-1026	2
739	Interaction of phosphorus with a FeTiO <sub>x</sub> catalyst for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> : Influence on surface acidity and SCR mechanism. <b>2018</b> , 347, 173-183	49
738	Adsorption/reduction of nitrogen dioxide on activated carbons: Textural properties versus surface chemistry [A review]. <b>2018</b> , 347, 493-504	49
737	Mechanistic investigation of NH <sub>3</sub> oxidation over V-0.5Ce(SO <sub>4</sub> ) <sub>2</sub> /Ti NH <sub>3</sub> -SCR catalyst. <b>2018</b> , 112, 1-4	12
736	Preparation of honeycombed holmium-modified Fe-Mn/TiO <sub>2</sub> catalyst and its performance in the low temperature selective catalytic reduction of NO <sub>x</sub> . <b>2018</b> , 46, 319-327	13
735	Research and Application of Multi-dimension Numerical Simulation Optimization for SCR DeNO <sub>x</sub> Flow Field. <b>2018</b> , 113, 012181	
734	Growth of Cu/SSZ-13 on SiC for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2018</b> , 39, 71-78	7
733	Different copper species as active sites for NH <sub>3</sub> -SCR reaction over Cu-SAPO-34 catalyst and reaction pathways: A periodic DFT study. <b>2018</b> , 266, 223-231	26
732	Synthesis of CrO <sub>2</sub> /C catalysts for low temperature NH-SCR with enhanced regeneration ability in the presence of SO <sub>2</sub> . <b>2018</b> , 8, 3858-3868	16
731	Operando Spectroscopic Studies of Cu-SSZ-13 for NH-SCR deNO <sub>x</sub> Investigates the Role of NH in Observed Cu(II) Reduction at High NO Conversions. <b>2018</b> , 61, 175-182	15
730	Oxidation of Sulfur Dioxide over V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> Catalyst with Low Vanadium Loading: A Theoretical Study. <b>2018</b> , 122, 4517-4523	42



729	Selective catalytic reduction of NO with NH <sub>3</sub> over short-range ordered W O Fe structures with high thermal stability. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 229, 81-87	21.8	38
728	Characterization of Co and Fe-MCM-56 catalysts for NH-SCR and NO decomposition: An in situ FTIR study. <b>2018</b> , 196, 281-288		14
727	H3PW12O40 Grafted on CeO <sub>2</sub> : A High-Performance Catalyst for the Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2018</b> , 57, 856-866		29
726	Ni-Ce-Ti as a superior catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2018</b> , 445, 179-186		56
725	Can Supported Reduced Vanadium Oxides form H from CHO <sub>H</sub> ? A Computational Gas-Phase Mechanistic Study. <b>2018</b> , 122, 1104-1113		5
724	Conventional and New Materials for Selective Catalytic Reduction (SCR) of NO <sub>x</sub> . <b>2018</b> , 10, 1499-1511		50
723	MnCo <sub>2</sub> O <sub>4</sub> spinel catalysts synthesized by nanocasting method followed by different calcination routes for low-temperature reduction of NO <sub>x</sub> using various reductants. <b>2018</b> , 43, 5346-5357		13
722	Solvothermal synthesis of well-designed ceria-tin-titanium catalysts with enhanced catalytic performance for wide temperature NH <sub>3</sub> -SCR reaction. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 226, 117-126	21.8	93
721	Active Site Identification and Modification of Electronic States by Atomic-Scale Doping To Enhance Oxide Catalyst Innovation. <b>2018</b> , 8, 1399-1404		34
720	New insights into the promotional mechanism of ceria for activity and ammonium bisulfate resistance over V/WTi catalyst for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2018</b> , 560, 153-164		18
719	Induced effect of tungsten incorporation on the catalytic properties of CeVO <sub>4</sub> systems for the selective reduction of NO <sub>x</sub> by ammonia. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 234, 318-328	21.8	20
718	Amorphous saturated cerium-tungsten-titanium oxide nanofiber catalysts for NO <sub>x</sub> selective catalytic reaction. <b>2018</b> , 42, 9501-9509		7
717	In situ preparation of mesoporous iron titanium catalysts by a CTAB-assisted process for NO reduction with NH <sub>3</sub> . <b>2018</b> , 559, 146-152		13
716	Recovery TiO <sub>2</sub> and sodium titanate nanowires as Cd(II) adsorbent from waste V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> selective catalytic reduction catalysts by Na <sub>2</sub> CO <sub>3</sub> -NaCl-KCl molten salt roasting method. <b>2018</b> , 88, 226-233		10
715	A sustainable process design to produce diethyl oxalate considering NO <sub>x</sub> elimination. <b>2018</b> , 115, 198-212		4
714	Transport effects and chemical effects on NO removal by SCR with NH <sub>3</sub> over iron-based catalyst in a magnetically fluidized bed. <b>2018</b> , 96, 2602-2615		1
713	Catalytic reduction of NO <sub>x</sub> by biomass-derived activated carbon supported metals. <b>2018</b> , 26, 2077-2083		12
712	NH <sub>3</sub> adsorption on anatase-TiO <sub>2</sub> (101). <b>2018</b> , 148, 124704		7

711	The pilot demonstration of a honeycomb catalyst for the DeNO of low-temperature flue gas from an industrial coking plant. <b>2018</b> , 219, 37-49	25
710	Excellent Activity and Selectivity of One-Pot Synthesized Cu-SSZ-13 Catalyst in the Selective Catalytic Oxidation of Ammonia to Nitrogen. <b>2018</b> , 52, 4802-4808	65
709	Catalytic ammonia combustion properties and operando characterization of copper oxides supported on aluminum silicates and silicon oxides. <b>2018</b> , 361, 267-277	17
708	In-situ fabrication and catalytic performance of Co-Mn@CuO core-shell nanowires on copper meshes/foams. <b>2018</b> , 147, 182-190	11
707	NO Solvation Structure in Choline Chloride Deep Eutectic Solvents-The Role of the Hydrogen Bond Donor. <b>2018</b> , 122, 4336-4344	22
706	Effect of the sol-gel conditions on the morphology and SCR performance of electrospun V-W-TiO <sub>2</sub> catalysts. <b>2018</b> , 118, 255-261	8
705	Promoting effect of tantalum and antimony additives on deNO <sub>x</sub> performance of Ce <sub>3</sub> Ta <sub>3</sub> SbO <sub>x</sub> for NH <sub>3</sub> -SCR reaction and DRIFT studies. <b>2018</b> , 36, 594-602	17
704	Sulfur resistance of Ce-Mn/TiO catalysts for low-temperature NH-SCR. <b>2018</b> , 5, 171846	9
703	Influence of calcination temperature on the plate-type V <sub>2</sub> O <sub>5</sub> MoO <sub>3</sub> /TiO <sub>2</sub> catalyst for selective catalytic reduction of NO. <b>2018</b> , 124, 603-617	7
702	Simultaneous soot combustion and NO <sub>x</sub> reduction over a vanadia-based selective catalytic reduction catalyst. <b>2018</b> , 21, 221-231	7
701	The selective catalytic reduction of NO over CeTiO-supported metal oxide catalysts. <b>2018</b> , 65, 1-7	13
700	Physicochemical properties of pine-derived bio-chars modified by metal oxides and their performance in the removal of NO. <b>2018</b> , 91, 467-472	15
699	Performance of selective catalytic reduction of NO with NH <sub>3</sub> over natural manganese ore catalysts at low temperature. <b>2018</b> , 39, 317-326	6
698	Selective catalytic reduction of nitric oxide with carbon monoxide over alumina-pellet-supported catalysts in the presence of excess oxygen. <b>2018</b> , 39, 1878-1885	10
697	Study of SO <sub>2</sub> effect on selective catalytic reduction of NO with NH <sub>3</sub> over Fe/CNTs: The change of reaction route. <b>2018</b> , 307, 2-11	19
696	The synthesis of CuMnAlO mixed oxide as a low-temperature NH-SCR catalyst with enhanced catalytic performance. <b>2018</b> , 47, 2992-3004	42
695	Zeolitic Materials for DeNO <sub>x</sub> Selective Catalytic Reduction. <b>2018</b> , 10, 29-41	76
694	NH-SCR performance and the resistance to SO for Nb doped vanadium based catalyst at low temperatures. <b>2018</b> , 65, 306-316	24

693	Mechanistic investigations on NO reduction with CO over Mn/TiO <sub>2</sub> catalyst at low temperatures. <b>2018</b> , 451, 33-42		38
692	Novel V <sub>2</sub> O <sub>5</sub> -CeO <sub>2</sub> -TiO <sub>2</sub> -SO <sub>4</sub> <sup>2-</sup> nanostructured aerogel catalyst for the low temperature selective catalytic reduction of NO by NH <sub>3</sub> in excess O <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 224, 264-275	21.8	63
691	Facile and fast synthesis of novel Mn <sub>2</sub> CoO <sub>4</sub> @rGO catalysts for the NH <sub>3</sub> -SCR of NO <sub>x</sub> at low temperature. <b>2018</b> , 333, 467-476		38
690	De-reducibility mechanism of titanium on maghemite catalysts for the SCR reaction: An in situ DRIFTS and quantitative kinetics study. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 221, 556-564	21.8	86
689	Transient operando study on the NH <sub>3</sub> /NH <sub>4</sub> <sup>+</sup> interplay in V-SCR monolithic catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 224, 109-115	21.8	34
688	Emission controls of mercury and other trace elements during coal combustion in China: a review. <b>2018</b> , 60, 638-670		35
687	Mechanistic investigation of enhanced reactivity of NH <sub>4</sub> HSO <sub>4</sub> and NO on Nb- and Sb-doped VW/Ti SCR catalysts. <b>2018</b> , 549, 310-319		53
686	Ce-Sn binary oxide catalyst for the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2018</b> , 428, 526-533		59
685	Current status, opportunities and challenges in catalytic and photocatalytic applications of aerogels: Environmental protection aspects. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 221, 530-555	21.8	111
684	Size-Dependent Oxidation State and CO Oxidation Activity of Tin Oxide Clusters. <b>2018</b> , 8, 451-456		30
683	Effects of copper loading on NH <sub>3</sub> -SCR and NO oxidation over Cu impregnated CHA zeolite. <b>2018</b> , 35, 89-98		17
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541	Effect of Organic Assistant on the Performance of Ceria-Based Catalysts for the Selective Catalytic Reduction of NO with Ammonia. <b>2019</b> , 9, 357	5
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538	Spectroscopic Insights into the Mechanism of Selective Catalytic Reduction of NO by Ammonia on Sulfuric Acid-modified Fe <sub>2</sub> O <sub>3</sub> Surface. <b>2019</b> , 11, 3035-3041	8
537	Selective catalytic reduction of NO by H <sub>2</sub> over Pd/TiO <sub>2</sub> catalyst. <b>2019</b> , 40, 849-855	10
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534	Activated carbon-supported catalyst loading of CH <sub>4</sub> N <sub>2</sub> O for selective reduction of NO from flue gas at low temperatures. <b>2019</b> , 44, 13523-13537	5
533	H <sub>2</sub> O and/or SO <sub>2</sub> Tolerance of Cu-Mn/SAPO-34 Catalyst for NO Reduction with NH <sub>3</sub> at Low Temperature. <b>2019</b> , 9, 289	13
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530	The role of molybdenum on the enhanced performance and SO <sub>2</sub> resistance of V/Mo-Ti catalysts for NH <sub>3</sub> -SCR. <b>2019</b> , 481, 1167-1177	33
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527	Effects of insulation on exhaust temperature and subsequent SCR efficiency of a heavy-duty diesel engine. <b>2019</b> , 33, 923-929	4
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525	Electrocatalysis and Remediation. <b>2019</b> , 225-276	
524	Effect of W on the acidity and redox performance of the Cu <sub>0.02</sub> Fe <sub>0.2</sub> W TiO <sub>x</sub> (a = 0.01, 0.02, 0.03) catalysts for NH <sub>3</sub> -SCR of NO. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 226-238	21.8 71
523	Boosting the low-temperature activity and sulfur tolerance of CeZrO catalysts by antimony addition for the selective catalytic reduction of NO with ammonia. <b>2019</b> , 546, 152-162	26
522	CuO modified vanadium-based SCR catalysts for Hg oxidation and NO reduction. <b>2019</b> , 239, 17-22	11
521	K <sup>+</sup> deactivation of V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalyst during selective catalytic reduction of NO with NH <sub>3</sub> : Effect of vanadium content. <b>2019</b> , 370, 518-526	34
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519	Modeling and optimization of VO/TiO nanocatalysts for NH-Selective catalytic reduction (SCR) of NO <sub>x</sub> by RSM and ANN techniques. <b>2019</b> , 238, 360-367	20
518	New Findings in Hydrothermal Deactivation Research on the Vanadia-Selective Catalytic Reduction Catalyst. <b>2019</b> , 4, 5088-5097	5
517	Preparation and Characterization of Manganese-Based Catalysts for Removing NO Under Low Temperatures. <b>2019</b> , 69-79	
516	Production of High-Purity Titanium Dioxide from Spent Selective Catalytic Reduction (SCR) Catalyst. <b>2019</b> , 119-129	1
515	Investigation of in situ high temperature sensor based on the direct absorption spectroscopy signal of ammonia gas for coal-fired power plant. <b>2019</b> , 51, 1	2
514	Enhancing the deNO performance of MnO /CeO <sub>2</sub> -ZrO <sub>2</sub> nanorod catalyst for low-temperature NH <sub>3</sub> -SCR by TiO <sub>2</sub> modification. <b>2019</b> , 369, 46-56	88

513	The combined promotive effect of SO <sub>2</sub> and HCl on Pb-poisoned commercial NH <sub>3</sub> -SCR V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalysts. <b>2019</b> , 125, 118-122	11
512	Perovskite-based catalysts for the control of nitrogen oxide emissions from diesel engines. <b>2019</b> , 9, 2057-2077	20
511	Development of Iron Encapsulated Hollow Beta Zeolites for Ammonia Selective Catalytic Reduction. <b>2019</b> , 58, 2914-2923	7
510	Selective catalytic reduction of NO <sub>x</sub> over Cu- and Fe-exchanged zeolites and their mechanical mixture. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 250, 419-428	21.8 41
509	The influence of chemical poisoning, hydrothermal aging and their co-effects on Cu-SAPO-34 catalyst for NO <sub>x</sub> reduction by NH <sub>3</sub> -SCR. <b>2019</b> , 479, 1200-1211	24
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503	The utilization of red mud waste as industrial honeycomb catalyst for selective catalytic reduction of NO. <b>2019</b> , 6, 191183	6
502	Performance of Mn-Ce co-doped siderite catalysts in the selective catalytic reduction of NO by NH <sub>3</sub> . <b>2019</b> , 47, 1495-1503	10
501	Comparative study of mesoporous Ni Mn Ce composite oxides for NO catalytic oxidation.. <b>2019</b> , 9, 31035-31042	7
500	New insights into the deactivation mechanism of VO-WO/TiO catalyst during selective catalytic reduction of NO with NH: synergies between arsenic and potassium species.. <b>2019</b> , 9, 37724-37732	6
499	Enhanced resistance to calcium poisoning on Zr-modified Cu/ZSM-5 catalysts for the selective catalytic reduction of NO with NH <sub>3</sub> .. <b>2019</b> , 9, 38477-38485	13
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497	Experimental and kinetic analysis of hydrothermal aging effects on ammonia adsorption capacity over a commercial Cu-zeolite selective catalytic reduction catalyst. <b>2019</b> , 233, 3030-3042	2
496	SO <sub>3</sub> 2/SO <sub>4</sub> 2Functionalization-tailorable catalytic surface features of Sb-promoted Cu <sub>3</sub> V <sub>2</sub> O <sub>8</sub> on TiO <sub>2</sub> for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2019</b> , 570, 355-366	19

495	The balance of acidity and redox capability over modified CeO catalyst for the selective catalytic reduction of NO with NH. <b>2019</b> , 79, 273-279	18
494	Insight into the Synergic Effect of Fe-SSZ-13 Zeolite and FeMnTiZrOx Catalyst with Enhanced Reactivity in NH <sub>3</sub> SCR of NO <sub>x</sub> . <b>2019</b> , 123, 2216-2227	15
493	Ordered Mesoporous Ni <sub>2</sub> MnO <sub>x</sub> Nanocatalysts for the Low-Temperature Selective Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2019</b> , 2, 505-516	4
492	Metal-Organic Framework (MOF) Template Based Efficient Pt/ZrO @C Catalysts for Selective Catalytic Reduction of H Below 90 °C. <b>2019</b> , 14, 416-421	8
491	Selective Catalytic Reduction of NO <sub>x</sub> with Ammonia and Hydrocarbon Oxidation Over V <sub>2</sub> O <sub>5</sub> /MoO <sub>3</sub> /TiO <sub>2</sub> and V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> SCR Catalysts. <b>2019</b> , 62, 129-139	9
490	Effect of Cu doping on the SCR activity over the Cu <sub>m</sub> Ce <sub>0.1-m</sub> TiO <sub>x</sub> (m = 0.01, 0.02 and 0.03) catalysts. <b>2019</b> , 570, 251-261	16
489	Ethanol aerobic and anaerobic oxidation with FeVO <sub>4</sub> and V <sub>2</sub> O <sub>5</sub> catalysts. <b>2019</b> , 570, 139-147	10
488	Synergistic effect between H <sub>2</sub> O and SO <sub>2</sub> on mercury removal by activated carbon in O <sub>2</sub> /CO <sub>2</sub> conditions. <b>2019</b> , 94, 1195-1201	6
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486	Mn-Ce-Nb-O /P84 catalytic filters prepared by a novel method for simultaneous removal of particulates and NO. <b>2019</b> , 37, 273-281	7
485	A two-step method for the integrated removal of HCl, SO <sub>2</sub> and NO at low temperature using viscose-based activated carbon fibers modified by nitric acid. <b>2019</b> , 239, 272-281	17
484	Designing SO <sub>2</sub> -resistant cerium-based catalyst by modifying with Fe <sub>2</sub> O <sub>3</sub> for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2019</b> , 462, 10-18	26
483	Numerical simulation of selective catalytic reduction of NO and SO <sub>2</sub> oxidation in monolith catalyst. <b>2019</b> , 361, 874-884	28
482	Thermal activation and aging of a V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> catalyst for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2019</b> , 573, 64-72	18
481	Promotion effect and mechanism of the addition of Mo on the enhanced low temperature SCR of NO <sub>x</sub> by NH <sub>3</sub> over MnO <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 245, 743-752	21.8 53
480	Template-free synthesis of mesoporous Mn <sub>3</sub> O <sub>4</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst for low temperature selective catalytic reduction of NO with NH <sub>3</sub> . <b>2019</b> , 96, 627-633	2
479	What News in the Surface Chemistry of Bulk and Supported Vanadia Based SCR-Catalysts: Improvements in their Resistance to Poisoning and Thermal Sintering. <b>2019</b> , 19, 1813-1828	5
478	Economical synthesis of high-silica LTA zeolites: A step forward in developing a new commercial NH <sub>3</sub> -SCR catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 212-219	21.8 43



477	Exploring the Interaction of Ammonia with Supported Vanadia Catalysts by Continuous Wave and Pulsed Electron Paramagnetic Resonance Spectroscopy. <b>2019</b> , 123, 7861-7869		5
476	Selective catalytic reduction of NO <sub>x</sub> over Ce/TiZrO <sub>x</sub> catalyst: The promoted K resistance by TiZrO <sub>x</sub> support. <b>2019</b> , 462, 19-27		14
475	Recent advances in the preparation of zeolites for the selective catalytic reduction of NO <sub>x</sub> in diesel engines. <b>2019</b> , 4, 975-985		23
474	Quick vaporization of sprayed sodium hypochlorite (NaClO) for simultaneous removal of nitrogen oxides (NO), sulfur dioxide (SO), and mercury (Hg). <b>2019</b> , 69, 857-866		3
473	Improved activity and significant SO <sub>2</sub> tolerance of samarium modified CeO <sub>2</sub> -TiO <sub>2</sub> catalyst for NO selective catalytic reduction with NH <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 244, 671-683	21.8	135
472	Structural Induced Effect of Potassium on the Reactivity of Vanadate Species in V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> SCR-Catalyst. <b>2019</b> , 62, 56-62		1
471	Selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over MoO <sub>3</sub> /Mn-Zr composite oxide catalyst. <b>2019</b> , 466, 459-465		13
470	Synergy between Ag nanoparticles and yttria-stabilized zirconia for soot oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 242, 140-149	21.8	31
469	An environmentally friendly wide temperature CeWTiO <sub>x</sub> catalyst with superior performance for the selective catalytic reduction NO <sub>x</sub> with NH <sub>3</sub> . <b>2019</b> , 69, 66-76		33
468	Improvement of activity, selectivity and H <sub>2</sub> O&SO <sub>2</sub> -tolerance of micro-mesoporous CrMn <sub>2</sub> O <sub>4</sub> spinel catalyst for low-temperature NH <sub>3</sub> -SCR of NO <sub>x</sub> . <b>2019</b> , 466, 411-424		84
467	Iron oxide-based catalysts for low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2019</b> , 35, 239-264		18
466	Improvement of thermal stability of microporous TiO <sub>2</sub> for NH <sub>3</sub> -SCR reaction using multivalent cations. <b>2019</b> , 320, 133-140		1
465	Influence of iron aggregation on the catalytic performance of desilicated MFI in the DeNO <sub>x</sub> process. <b>2020</b> , 304, 109114		3
464	Insight into regeneration mechanism with sulfuric acid for arsenic poisoned commercial SCR catalyst. <b>2020</b> , 93, 387-394		12
463	Morphology effect of diverse ceria with active tungsten species on NH <sub>3</sub> -SCR behaviors. <b>2020</b> , 339, 241-253		13
462	Enhanced hydrothermal stability of Cu-SSZ-13 by compositing with Cu-SAPO-34 in selective catalytic reduction of nitrogen oxides with ammonia. <b>2020</b> , 355, 627-634		9
461	Low temperature selective catalytic reduction of nitric oxide with urea over activated carbon supported metal oxide catalysts. <b>2020</b> , 41, 808-821		8
460	Selective catalytic reduction of NO at low temperature using a (ethanol+ammonia) mixture over a Ag/Al <sub>2</sub> O <sub>3</sub> + WO <sub>3</sub> /Ce <sub>x</sub> -Zr <sub>y</sub> O <sub>2</sub> dual-bed catalytic system: Reactivity insight of WO <sub>3</sub> /Ce <sub>x</sub> -Zr <sub>y</sub> O <sub>2</sub> . <b>2020</b> , 355, 375-384		1

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456	A superior Fe-V-Ti catalyst with high activity and SO resistance for the selective catalytic reduction of NO with NH <sub>3</sub> . <b>2020</b> , 382, 120970	58
455	Selective catalytic reduction of NO <sub>x</sub> with methanol on H-ZSM-5: The effect of extra-framework aluminum. <b>2020</b> , 355, 443-449	4
454	Excellent selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> over Cu/SAPO-34 with hierarchical pore structure. <b>2020</b> , 379, 122376	33
453	VxMn(4-x)Mo <sub>3</sub> Ce <sub>3</sub> /Ti catalysts for selective catalytic reduction of NO by NH <sub>3</sub> . <b>2020</b> , 88, 145-154	5
452	New insights into the N <sub>2</sub> O formation mechanism during selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> over V-based catalyst. <b>2020</b> , 355, 555-562	10
451	The way to enhance the thermal stability of V <sub>2</sub> O <sub>5</sub> -based catalysts for NH <sub>3</sub> -SCR. <b>2020</b> , 355, 408-414	11
450	Influence of synthesis method on catalytic properties and hydrothermal stability of Cu/SSZ-13 for NH <sub>3</sub> -SCR reaction. <b>2020</b> , 379, 122358	49
449	Transformation and removal of ammonium sulfate aerosols and ammonia slip from selective catalytic reduction in wet flue gas desulfurization system. <b>2020</b> , 88, 72-80	10
448	Understanding the deposition and reaction mechanism of ammonium bisulfate on a vanadia SCR catalyst: A combined DFT and experimental study. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 260, 118168 <sup>21.8</sup>	38
447	CeO grafted with different heteropoly acids for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2020</b> , 382, 121032	23
446	Effect of Ordered Mesoporous Alumina Support on the Structural and Catalytic Properties of MnNi/OMA Catalyst for NH <sub>3</sub> -SCR Performance at Low-temperature. <b>2020</b> , 12, 953-962	10
445	A catalyst with the better catalytic activity for NO reduction showed bigger reduction capacity and limiting current. <b>2020</b> , 701, 135036	3
444	New insights into the role of vanadia species as active sites for selective catalytic reduction of NO with ammonia over VO/CeO <sub>2</sub> catalysts. <b>2020</b> , 38, 719-724	4
443	Experimental methods in chemical engineering: Fourier transform infrared spectroscopyFTIR. <b>2020</b> , 98, 25-33	21
442	Influence of preparation methods on iron-tungsten composite catalyst for NH <sub>3</sub> -SCR of NO: The active sites and reaction mechanism. <b>2020</b> , 503, 144190	24

441	Time-resolved in-situ IR and DFT study: NH <sub>3</sub> adsorption and redox cycle of acid site on vanadium-based catalysts for NO abatement via selective catalytic reduction. <b>2020</b> , 382, 122756	18
440	Dry gel conversion synthesis of Cu/SSZ-13 as a catalyst with high performance for NH <sub>3</sub> -SCR. <b>2020</b> , 297, 109780	7
439	The Effect of Iron and Vanadium in VO <sub>y</sub> /Ce <sub>1-x</sub> Fe <sub>x</sub> O <sub>2</sub> -Ti Catalysts in Low-Temperature Selective Catalytic Reduction of NO <sub>x</sub> by Ammonia. <b>2020</b> , 12, 2440-2451	4
438	Effects of SO and HO on low-temperature NO conversion over F-VO-WO/TiO catalysts. <b>2020</b> , 90, 253-261	12
437	Promotion effect of cerium doping on iron-titanium composite oxide catalysts for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2020</b> , 10, 648-657	15
436	The effect of additives and intermediates on vanadia-based catalyst for multi-pollutant control. <b>2020</b> , 10, 323-326	12
435	Promoting effects of water on the NH-SCR reaction over Cu-SAPO-34 catalysts: transient and permanent influences on Cu species. <b>2020</b> , 49, 764-773	7
434	One-step hydrothermal synthesis of MnO <sub>x</sub> -CeO <sub>2</sub> /reduced graphene oxide composite aerogels for low temperature selective catalytic reduction of NO <sub>x</sub> . <b>2020</b> , 508, 145024	16
433	A study on the structure of tungsten by the addition of ceria: Effect of monomeric structure over W/Ce/TiO <sub>2</sub> catalyst on the SCR reaction. <b>2020</b> , 507, 145064	17
432	Enhancement of the NH <sub>3</sub> -SCR property of Ce-Zr-Ti by surface and structure modification with P. <b>2020</b> , 505, 144641	15
431	Core-shell-like structured MnO <sub>2</sub> @CeO <sub>2</sub> catalyst for selective catalytic reduction of NO: Promoted activity and SO <sub>2</sub> tolerance. <b>2020</b> , 391, 123473	10
430	Effect of vanadia loading on acidic and redox properties of VO <sub>x</sub> /TiO <sub>2</sub> for the simultaneous abatement of PCDD/Fs and NO <sub>x</sub> . <b>2020</b> , 81, 440-450	16
429	Seed-assisted synthesis of Cu-(Mn)-UZM-9 zeolite as excellent NO removal and N <sub>2</sub> O inhibition catalysts in wider temperature window. <b>2020</b> , 391, 123491	6
428	Gas phase sulfation of ceria-zirconia solid solutions for generating highly efficient and SO resistant NH-SCR catalysts for NO removal. <b>2020</b> , 388, 121729	34
427	Binary copper-manganese based catalysts with urea for low-temperature selective catalytic reduction of NO: Performance, characterization and mechanism. <b>2020</b> , 508, 144755	4
426	Evaluation of the Thermal Effect of Arc Plasma in the Plasma-Driven Partial Oxidation of Octane. <b>2020</b> , 40, 483-497	3
425	Oxidation and pyrolysis of ammonia mixtures in model reactors. <b>2020</b> , 264, 116768	23
424	Synthesis of CeTiO <sub>x</sub> flakes with hierarchical structure and its enhanced activity for selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2020</b> , 392, 123801	16

4 <sup>23</sup>	Study of the nitric oxide reduction of SCR-NH <sub>3</sub> on Fe <sub>2</sub> O <sub>3</sub> catalyst surface with quantum chemistry. <b>2020</b> , 509, 144659	11
4 <sup>22</sup>	The deposition of VWO on the CuCeO microflower for the selective catalytic reduction of NO with NH <sub>3</sub> at low temperatures. <b>2020</b> , 561, 808-817	18
4 <sup>21</sup>	In situ DRIFT study on NH <sub>3</sub> selective catalytic reduction of NO <sub>x</sub> over HBEA zeolite doped with CeO <sub>2</sub> . <b>2020</b> , 506, 144715	11
4 <sup>20</sup>	Investigation of Sulfated Iron-Based Catalysts with Different Sulfate Position for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2020</b> , 10, 1035	4
4 <sup>19</sup>	MnO <sub>x</sub> /CeO <sub>x</sub> Nanoparticles Supported on Porous Hexagonal Boron Nitride Nanoflakes for Selective Catalytic Reduction of Nitrogen Oxides. <b>2020</b> , 3, 11254-11265	1
4 <sup>18</sup>	Promotional effects of modified TiO <sub>2</sub> - and carbon-supported V <sub>2</sub> O <sub>5</sub> - and MnO <sub>x</sub> -based catalysts for the selective catalytic reduction of NO <sub>x</sub> : a review. <b>2020</b> , 10, 7795-7813	10
4 <sup>17</sup>	Cu/SSZ-13 and Cu/SAPO-34 catalysts for deNO <sub>x</sub> in diesel exhaust: Current status, challenges, and future perspectives. <b>2020</b> , 607, 117855	25
4 <sup>16</sup>	Controlling Catalytic Selectivity Mediated by Stabilization of Reactive Intermediates in Small-Pore Environments: A Study of Mn/TiO <sub>2</sub> in the NH <sub>3</sub> -SCR Reaction. <b>2020</b> , 10, 12017-12030	14
4 <sup>15</sup>	Silica and silica/titania intercalated MCM-36 modified with iron as catalysts for selective reduction of nitrogen oxides: The role of associated reactions. <b>2020</b> , 10, 7940-7954	5
4 <sup>14</sup>	Theoretical Study of the Catalytic Activity and Anti-SO Poisoning of a MoO <sub>3</sub> /VO Selective Catalytic Reduction Catalyst. <b>2020</b> , 5, 26978-26985	3
4 <sup>13</sup>	Understanding the high hydrothermal stability and NH <sub>3</sub> -SCR activity of the fast-synthesized ERI zeolite. <b>2020</b> , 391, 346-356	11
4 <sup>12</sup>	Effect of hierarchical element doping on the low-temperature activity of manganese-based catalysts for NH <sub>3</sub> -SCR. <b>2020</b> , 8, 104399	24
4 <sup>11</sup>	Location and activity of VO <sub>x</sub> species on TiO <sub>2</sub> particles for NH <sub>3</sub> -SCR catalysis. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 278, 119337	21.8 18
4 <sup>10</sup>	Spatially Nanoconfined Architectures: A Promising Design for Selective Catalytic Reduction of NO <sub>x</sub> . <b>2020</b> , 12, 5599-5610	5
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4 <sup>08</sup>	Simulation on catalytic performance of fresh and aged SCR catalysts for diesel engines. <b>2020</b> , 93, 2280-2292	5
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301	The poisoning effect of sintering dust on V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> catalyst for NO <sub>x</sub> removal in iron ore sintering flue gas. <b>2021</b> , 48, 527-533		5
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- 119 Dynamic Binuclear CuII Sites in the Reduction Half-Cycle of Low-Temperature  $\text{NH}_3$ -SCR over Cu-CHA Catalysts. 5263-5274 4
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- 107 Effect of H<sub>2</sub>SO<sub>4</sub> pretreatment on alkali-resistance performance of FeZrCeTiO<sub>4</sub>/TNT catalyst for NH<sub>3</sub>-SCR reaction. **2022**, 153774 0
- 106 Low-Temperature NH<sub>3</sub>-Scr of No Over Robust Ru/Al-Sba-15 Catalysts: Effect of Ru Loading.
- 105 Buffer effect of MgO on Na<sub>2</sub>SO<sub>3</sub> to stabilize S(IV) for the enhancement in simultaneous absorption of NO<sub>x</sub> and SO<sub>2</sub> from non-ferrous smelting gas.
- 104 Catalytic performance of CeO<sub>2</sub>-NPs and MnO<sub>2</sub> mixed oxides catalysts for low-temperature NH<sub>3</sub>-SCR of NO. **2022**, 103, 54-59 0
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- 102 Catalytic Peroxone Process for Low-Temperature Denitration with Enhanced Ti-O<sub>2</sub> Formation on P-TiO<sub>2</sub>: Experimental, DFT, and Semi-in-Situ UV-Vis Studies.
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- 85 Interaction between Nickel Oxide and Support Promotes Selective Catalytic Reduction of NO<sub>x</sub> with C<sub>3</sub>H<sub>6</sub>. 1
- 84 Effects of cerium and tungsten addition on acid-base properties of spindle-like Fe<sub>2</sub>O<sub>3</sub> in low-temperature SCR of NO with NH<sub>3</sub>. **2022**, ○
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80	A first-principles based microkinetic study of ZnMn <sub>1.5</sub> Ti <sub>0.5</sub> O <sub>4</sub> (TM=3d transition metal) for NO oxidation. <b>2022</b> , 600, 154069	
79	Efficient MnO <sub>2</sub> -CeO <sub>2</sub> /Ti-bearing blast furnace slag catalyst for NH <sub>3</sub> -SCR of NO at low temperature: Study of support treating and Mn/Ce ratio. <b>2022</b> , 10, 108238	0
78	Superior indicative and regulative function of Fe doping amount for MnO <sub>2</sub> catalyst with an oxygen vacancy in NH <sub>3</sub> -SCR reaction: A DFT+U study. <b>2022</b> , 601, 154162	1
77	Discovery of Complex Binding and Reaction Mechanisms from Ternary Gases in Rare Earth Metal-Organic Frameworks.	1
76	Selective Catalytic Removal of High Concentrations of NO <sub>x</sub> at Low Temperature. <b>2022</b> , 15, 5433	0
75	The promoting/inhibiting effect of water vapor on the selective catalytic reduction of NO <sub>x</sub> . <b>2022</b> , 439, 129665	0
74	CeO <sub>2</sub> Nanoparticle-Loaded MnO <sub>2</sub> Nanoflowers for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> at Low Temperatures. <b>2022</b> , 27, 4863	0
73	Catalytic Performance of Bimetallic Systems (Cu-Fe, Cu-Mn, Fe-Mn) Based on Spherical MCM-41 Modified by Template Ion-Exchange in NH <sub>3</sub> -SCR Process. <b>2022</b> , 12, 885	2
72	Formic Acid-Mediated Regeneration Strategy for As-Poisoned V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> Catalysts with Lossless Catalytic Activity and Simultaneous As Recycling.	0
71	Ag-Cu modified ZSM-5 zeolite to effectively eliminate NO <sub>x</sub> and slip ammonia from coal-fired flue gas: Catalytic performance and characterization. <b>2022</b> , 10, 108461	
70	Iron removal and titanium dioxide support recovery from spent V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalyst. <b>2022</b> , 301, 121934	0
69	Catalytic peroxone process for low-temperature denitration with enhanced Ti-OOH formation on P-TiO <sub>2</sub> : Experimental, DFT, and semi-in-situ UV-vis studies. <b>2022</b> , 330, 125664	0
68	Tailoring the crystal structure of CaTiO <sub>3</sub> by multielement doping for photo-assisted activation of NO. <b>2022</b> , 450, 138255	1
67	Extraordinary deactivation offset effect of zinc and arsenic on V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> catalysts: Like cures like. <b>2023</b> , 441, 129894	0
66	Mechanistic investigation of the enhanced SO <sub>2</sub> resistance of Co-modified MnO <sub>x</sub> catalyst for the selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <b>2023</b> , 452, 139207	0
65	Efficient adsorption removal of NO <sub>2</sub> by covalent triazine frameworks with fine-tuned binding sites. <b>2023</b> , 441, 129962	1
64	The promoting effect of support pretreatment with sulfate acid on the Ca resistance of a CeO <sub>2</sub> /ZrO <sub>2</sub> catalyst for NH <sub>3</sub> -SCR of NO <sub>x</sub> with NH <sub>3</sub> .	0

63	Applications of deep eutectic solvents in gas capture. <b>2022</b> , 49-75	1
62	NO <sub>x</sub> Control. <b>2022</b> , 49-89	0
61	Preparation and performance of monolithic Pd-based catalyst for simultaneous removal of NO <sub>x</sub> and particulate matter.	0
60	Enriching SO <sub>4</sub> <sup>2-</sup> Immobilization on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> via Spatial Confinement for Robust NH <sub>3</sub> -SCR Denitration. <b>2022</b> , 12, 991	1
59	A Comparative Study of the NH <sub>3</sub> -SCR Activity of Cu/SSZ-39 and Cu/SSZ-13 with Similar Cu/Al Ratios. <b>2022</b> , 65, 1495-1504	1
58	CeO <sub>2</sub> Nanoparticles Supported on SnNb <sub>2</sub> O <sub>6</sub> Nanosheets for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <b>2022</b> , 5, 13529-13541	0
57	Facilitating Molecular Activation and Proton Feeding by Dual Active Sites on Polymeric Carbon Nitride for Efficient CO <sub>2</sub> Photoreduction.	1
56	Novel 2D Layered Manganese Silicate Nanosheets with Excellent Performance for Selective Catalytic Reduction of NO with Ammonia.	0
55	Facilitating Molecular Activation and Proton Feeding by Dual Active Sites on Polymeric Carbon Nitride for Efficient CO <sub>2</sub> Photoreduction.	1
54	Microscopic impact mechanism of alkali earth metal poisoning and Ce modification on the deNO <sub>x</sub> over the $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> (001) surface. <b>2022</b> , 155178	0
53	Catalyst Deactivation/Regeneration.	0
52	V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> catalysts treated with titanium isopropoxide using a one-step co-precipitation method for selective catalytic reduction with NH <sub>3</sub> . <b>2022</b> ,	0
51	Interface sites on vanadia-based catalysts are highly active for NO removal under realistic conditions. <b>2022</b> ,	0
50	Polyol-Mediated Synthesis of V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> /TiO <sub>2</sub> Catalysts for Low-Temperature Selective Catalytic Reduction with Ammonia. <b>2022</b> , 12, 3644	0
49	An Atom-Pair Design Strategy for Optimizing the Synergistic Electron Effects of Catalytic Sites in NO Selective Reduction.	0
48	An Atom-Pair Design Strategy for Optimizing the Synergistic Electron Effects of Catalytic Sites in NO Selective Reduction.	0
47	Improvement of Sb-Modified Mn-Ce/TiO <sub>2</sub> Catalyst for SO <sub>2</sub> and H <sub>2</sub> O Resistance at Low-Temperature SCR.	0
46	Catalytic oxidation of propane over Pt-Pd bimetallic nanoparticles supported on TiO <sub>2</sub> . <b>2022</b> , 532, 112738	0

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- 42 Progress in recent sustainable materials for greenhouse gas (NO<sub>x</sub> and SO<sub>x</sub>) emission mitigation. **2023**, 132, 101033 6
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- 40 A Review on Resource Utilization of Spent V-W-Ti Based Selective Catalytic Reduction Catalysts. **2022**, 15, 7984 o
- 39 A new synthesis method for supported composite oxides: Preparation of Ce-Cu / TiO<sub>2</sub> catalysts by ice melting method. o
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- 34 Understanding the temperature-dependent H<sub>2</sub>O promotion effect on SO<sub>2</sub> resistance of MnO-CeO<sub>2</sub> catalyst for SCR denitration. **2023**, 324, 122263 o
- 33 CeO<sub>2</sub>-doped WO<sub>3</sub> composite catalyst based on acid site enhancement for diesel exhaust gas denitration. **2022**, 50, 1417-1426 o
- 32 Synergistic Effects of Keggin-Type Phosphotungstic Acid-Supported Single-Atom Catalysts in a Fast NH<sub>3</sub>-SCR Reaction. **2022**, 61, 19156-19171 o
- 31 Study of the NH<sub>3</sub>-SCR Mechanism on LaMnO<sub>3</sub> Surfaces Based on the DFT Method. **2022**, 15, 9099 o
- 30 Chemical Transformations of Vanadium-Containing Silica Gel in Contact with Water Vapor According to AFM and ESR Data. **2022**, 92, 2521-2529 o
- 29 MO<sub>x</sub>@VO<sub>x</sub>-Pd-type Nanorods and Nanotubes as Catalysts for Selective Reduction of NO. o
- 28 Highly stable natural zeolite/montmorillonite hybrid microspheres with green preparation process for efficient adsorption of ammonia nitrogen in wastewater. **2022**, 106787 o

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- 26 Porous framework materials for energy & environment relevant applications: A systematic review. **2023**, ○
- 25 Synergistic effect of V<sub>2</sub>O<sub>5</sub>-WO<sub>3</sub>/TiO<sub>2</sub> and H-ZSM-5 catalysts prepared by physical mixing on the selective catalytic reduction of NO<sub>x</sub> with NH<sub>3</sub>. **2023**, 614, 156159 ○
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- 23 Thermal laser evaporation of elemental metal sources in oxygen. **2022**, 132, 245110 ○
- 22 Adsorption of Wet Ammonia on the Surface of Vanadium-Containing Silica Gel. **2022**, 95, 1218-1222 ○
- 21 Promoter not inhibitor: The antidotal effects of arsenic on lead-poisoning V<sub>2</sub>O<sub>5</sub>-WO<sub>3</sub>/TiO<sub>2</sub> catalyst for selective catalytic reduction of NO with NH<sub>3</sub>. **2023**, 397, 136621 ○
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- 19 Mechanism investigation on yellow phosphorus inducing O, O<sub>3</sub> and OH• radicals in phosphate rock slurry for high-efficiency NO oxidation. **2023**, 312, 123435 ○
- 18 Design of bifunctional TiO<sub>2</sub>-SSZ-13 mixed supports for potassium-resistant vanadia catalysts for NH<sub>3</sub>-SCR. **2023**, 342, 127804 ○
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- 14 Optimization and comprehensive mechanism of environment-friendly bimetal oxides catalysts for efficient removal of NO in ultra-low temperature flue gas. **2023**, 311, 123324 ○
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- 12 Improvement of NO adsorptive selectivity by the embedding of Rh in MOF-177 as carrier. **2023**, 37, ○
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- 8 Extraordinary Detoxification Effect of Arsenic on the Cadmium-Poisoned V<sub>2</sub>O<sub>5</sub>/TiO<sub>2</sub> Catalyst for Selective Catalytic Reduction of NO<sub>x</sub> by NH<sub>3</sub>. ○
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- 5 Metallic and non-metallic components and morphology of iron-based catalytic effects for selective catalytic reduction performance: A systematic review. **2023**, 541, 113113 ○
- 4 Effect of Metal Complexing on Mn/Fe/TS-1 Catalysts for Selective Catalytic Reduction of NO with NH<sub>3</sub>. **2023**, 28, 3068 ○
- 3 CeO<sub>2</sub>/MnO<sub>2</sub> Nanorods as Dual-Functional Catalyst for Simultaneous Abatement of Nitric Oxide and Chlorobenzene. ○
- 2 Effect of Cu loading on the performance and kinetics of Cu/SAPO-34 catalysts for selective catalytic reduction with NH<sub>3</sub>. ○
- 1 Boosting resistance to H<sub>2</sub>O and SO<sub>2</sub> in low-temperature NH<sub>3</sub>-SCR denitrification reaction by W addition in Cu<sub>0.1</sub>-mWmTiO<sub>x</sub> (m = 0.05–0.09) due to modulating the synergistic effect of oxidation property and acidity. **2023**, 347, 128443 ○