Hong He

List of Publications by Year in Descending Order

496 papers	23,470 citations	79 h-index	132 g-index
542 ext. papers	28,303 ext. citations	8.2 avg, IF	7.48 L-index

#	Paper	IF	Citations
496	CeO2 doping boosted low-temperature NH3-SCR activity of FeTiOx catalyst: A microstructure analysis and reaction mechanistic study. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	1
495	One-pot synthesis of hierarchical MnCu-SSZ-13 catalyst with excellent NH3-SCR activity at low temperatures. *Microporous and Mesoporous Materials*, **2022**, 333, 111720	5.3	2
494	N-nitration of secondary aliphatic amines in the particle phase.. *Chemosphere*, **2022**, 133639	8.4	2
493	A simple strategy to tune □MnO2 and enhance VOC oxidation via precipitation rate control. *Applied Surface Science*, **2022**, 576, 151823	6.7	3
492	Application of smog chambers in atmospheric process studies.. *National Science Review*, **2022**, 9, nwab103	10.8	3
491	Influence of NO on the activity of Pd/□AlO catalyst for methane oxidation: Alleviation of transient deactivation.. *Journal of Environmental Sciences*, **2022**, 112, 38-47	6.4	3
490	Annual nonmethane hydrocarbon trends in Beijing from 2000 to 2019.. *Journal of Environmental Sciences*, **2022**, 112, 210-217	6.4	3
489	Distinct photocatalytic charges separation pathway on CuOx modified rutile and anatase TiO2 under visible light. *Applied Catalysis B: Environmental*, **2022**, 300, 120735	21.8	1
488	Dynamic Change of Active Sites of Supported Vanadia Catalysts for Selective Catalytic Reduction of Nitrogen Oxides.. *Environmental Science & Technology*, **2022**,	10.3	3
487	Low-Temperature SCR Catalyst Development and Industrial Applications in China. *Catalysts*, **2022**, 12, 341	4	2
486	Developing a thermally stable Co/Ce-Sn catalyst via adding Sn for soot and CO oxidation.. *IScience*, **2022**, 25, 104103	6.1	1
485	Dramatic decrease of secondary organic aerosol formation potential in Beijing: Important contribution from reduction of coal combustion emission.. *Science of the Total Environment*, **2022**, 155045	10.2	0
484	Mesoporous LaCoO perovskite oxide with high catalytic performance for NO storage and reduction.. *Journal of Hazardous Materials*, **2022**, 431, 128528	12.8	2
483	Promotion Effect of the Keggin Structure on the Sulfur and Water Resistance of Pt/CeTi Catalysts for CO Oxidation. *Catalysts*, **2022**, 12, 4	4	1
482	Influence of photochemical loss of volatile organic compounds on understanding ozone formation mechanism. *Atmospheric Chemistry and Physics*, **2022**, 22, 4841-4851	6.8	1
481	Unravelling the Mechanism of Intermediate-Temperature CO Interaction with Molten-NaNO -Salt-Promoted MgO. *Advanced Materials*, **2021**, e2106677	24	3
480	Boosting the Dispersity of Metallic Ag Nanoparticles and Ozone Decomposition Performance of Ag-Mn Catalysts via Manganese Vacancy-Dependent Metal-Support Interactions. *Environmental Science & Technology*, **2021**, 55, 16143-16152	10.3	1

479	Reaction Pathways of Standard and Fast Selective Catalytic Reduction over Cu-SSZ-39. *Environmental Science & Technology*, **2021**, 55, 16175-16183	10.3	2
478	Molecular Composition of Oxygenated Organic Molecules and Their Contributions to Organic Aerosol in Beijing. *Environmental Science & Technology*, **2021**,	10.3	3
477	Coordinated control of fine-particle and ozone pollution by the substantial reduction of nitrogen oxides. *Engineering*, **2021**,	9.7	2
476	Improving the representation of HONO chemistry in CMAQ and examining its impact on haze over China. *Atmospheric Chemistry and Physics*, **2021**, 21, 15809-15826	6.8	4
475	Photochemical Aging of Atmospheric Fine Particles as a Potential Source for Gas-Phase Hydrogen Peroxide. *Environmental Science & Technology*, **2021**, 55, 15063-15071	10.3	2
474	Secondary Organic Aerosol Formation Potential from Ambient Air in Beijing: Effects of Atmospheric Oxidation Capacity at Different Pollution Levels. *Environmental Science & Technology*, **2021**, 55, 4565-4572	10.3	8
473	Terminal Hydroxyl Groups on AlO Supports Influence the Valence State and Dispersity of Ag Nanoparticles: Implications for Ozone Decomposition. *ACS Omega*, **2021**, 6, 10715-10722	3.9	1
472	Superior Oxidative Dehydrogenation Performance toward NH Determines the Excellent Low-Temperature NH-SCR Activity of Mn-Based Catalysts. *Environmental Science & Technology*, **2021**, 55, 6995-7003	10.3	16
471	Role of silver species in H2-NH3-SCR of NOx over Ag/Al2O3 catalysts: Operando spectroscopy and DFT calculations. *Journal of Catalysis*, **2021**, 395, 1-9	7.3	8
470	The Synergistic Role of Sulfuric Acid, Bases, and Oxidized Organics Governing New-Particle Formation in Beijing. *Geophysical Research Letters*, **2021**, 48, e2020GL091944	4.9	23
469	Unraveling the Mechanism of Ammonia Selective Catalytic Oxidation on Ag/Al2O3 Catalysts by Operando Spectroscopy. *ACS Catalysis*, **2021**, 11, 5506-5516	13.1	10
468	Investigation into the Enhanced Catalytic Oxidation of o-Xylene over MOF-Derived Co3O4 with Different Shapes: The Role of Surface Twofold-Coordinate Lattice Oxygen (O2f). *ACS Catalysis*, **2021**, 11, 6614-6625	13.1	16
467	Increased primary and secondary H₂SO₄ showing the opposing roles in secondary organic aerosol formation from ethyl methacrylate ozonolysis. *Atmospheric Chemistry and Physics*, **2021**, 21, 7099-7112	6.8	
466	Cesium as a dual function promoter in Co/Ce-Sn catalyst for soot oxidation. *Applied Catalysis B: Environmental*, **2021**, 285, 119850	21.8	10
465	Reaction Pathways of the Selective Catalytic Reduction of NO with NH on the □FeO(012) Surface: a Combined Experimental and DFT Study. *Environmental Science & Technology*, **2021**,	10.3	7
464	Significant contribution of spring northwest transport to volatile organic compounds in Beijing. *Journal of Environmental Sciences*, **2021**, 104, 169-181	6.4	5
463	Comprehensive Study about the Photolysis of Nitrates on Mineral Oxides. *Environmental Science & Technology*, **2021**, 55, 8604-8612	10.3	9
462	Effect of relative humidity on SOA formation from aromatic hydrocarbons: Implications from the evolution of gas- and particle-phase species. *Science of the Total Environment*, **2021**, 773, 145015	10.2	9

461	Design of High-Performance Iron-Niobium Composite Oxide Catalysts for NH3-SCR: Insights into the Interaction between Fe and Nb. *ACS Catalysis*, **2021**, 11, 9825-9836	13.1	11
460	Theory and practice of metal oxide catalyst design for the selective catalytic reduction of NO with NH3. *Catalysis Today*, **2021**, 376, 292-301	5.3	21
459	Enhancement of low-temperature NH3-SCR catalytic activity and H2O & SO2 resistance over commercial V2O5-MoO3/TiO2 catalyst by high shear-induced doping of expanded graphite. *Catalysis Today*, **2021**, 376, 302-310	5.3	13
458	Significant concurrent decrease in PM and NO concentrations in China during COVID-19 epidemic. *Journal of Environmental Sciences*, **2021**, 99, 346-353	6.4	59
457	In-situ DRIFT assessment on strengthening effect of cerium over FeO /TiO2 catalyst for selective catalytic reduction of NO with NH3. *Journal of Rare Earths*, **2021**, 39, 526-531	3.7	6
456	Co-function mechanism of multiple active sites over Ag/TiO2 for formaldehyde oxidation. *Applied Catalysis B: Environmental*, **2021**, 282, 119543	21.8	14
455	A simple strategy to improve Pd dispersion and enhance Pd/TiO2 catalytic activity for formaldehyde oxidation: The roles of surface defects. *Applied Catalysis B: Environmental*, **2021**, 282, 119540	21.8	34
454	Single atom Fe in favor of carbon disulfide (CS2) adsorption and thus the removal efficiency. *Separation and Purification Technology*, **2021**, 258, 118086	8.3	12
453	Investigation of suitable precursors for manganese oxide catalysts in ethyl acetate oxidation. *Journal of Environmental Sciences*, **2021**, 104, 17-26	6.4	2
452	A robust H-transfer redox mechanism determines the high-efficiency catalytic performance of layered double hydroxides. *Applied Catalysis B: Environmental*, **2021**, 285, 119806	21.8	5
451	Use of rare earth elements in single-atom site catalysis: A critical review Commemorating the 100th anniversary of the birth of Academician Guangxian Xu. *Journal of Rare Earths*, **2021**, 39, 233-242	3.7	9
450	Significant promotion effect of the rutile phase on VO/TiO catalysts for NH-SCR. *Chemical Communications*, **2021**, 57, 355-358	5.8	7
449	Surface oxygen species essential for the catalytic activity of CeMSn (M = Mn or Fe) in soot oxidation. *Catalysis Science and Technology*, **2021**, 11, 895-903	5.5	3
448	Synergistic Effects of Multicomponents Produce Outstanding Soot Oxidation Activity in a Cs/Co/MnO Catalyst. *Environmental Science & Technology*, **2021**, 55, 240-248	10.3	7
447	A Nonoxide Catalyst System Study: Alkali Metal-Promoted Pt/AC Catalyst for Formaldehyde Oxidation at Ambient Temperature. *ACS Catalysis*, **2021**, 11, 456-465	13.1	18
446	Chemical formation and source apportionment of PM at an urban site at the southern foot of the Taihang mountains. *Journal of Environmental Sciences*, **2021**, 103, 20-32	6.4	4
445	Is reducing new particle formation a plausible solution to mitigate particulate air pollution in Beijing and other Chinese megacities?. *Faraday Discussions*, **2021**, 226, 334-347	3.6	32
444	Selective catalytic reduction of NO with NH: opportunities and challenges of Cu-based small-pore zeolites. *National Science Review*, **2021**, 8, nwab010	10.8	36

443	Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China. *Science of the Total Environment*, **2021**, 753, 142207	10.2	13
442	Iron-Based Composite Oxide Catalysts Tuned by CTAB Exhibit Superior NH3□SCR Performance. *Catalysts*, **2021**, 11, 224	4	1
441	Measurement report: Effects of photochemical aging on the formation and evolution of summertime secondary aerosol in Beijing. *Atmospheric Chemistry and Physics*, **2021**, 21, 1341-1356	6.8	7
440	Adsorption-Induced Active Vanadium Species Facilitate Excellent Performance in Low-Temperature Catalytic NO Abatement. *Journal of the American Chemical Society*, **2021**, 143, 10454-10461	16.4	15
439	Promotion Effects of Barium and Cobalt on Manganese Oxide Catalysts for Soot Oxidation. *Industrial & Engineering Chemistry Research*, **2021**, 60, 11412-11420	3.9	1
438	Mechanistic Study of the Aqueous Reaction of Organic Peroxides with HSO3□on the Surface of a Water Droplet. *Angewandte Chemie*, **2021**, 133, 20362-20365	3.6	0
437	Facile homogeneous precipitation method to prepare MnO2 with high performance in catalytic oxidation of ethyl acetate. *Chemical Engineering Journal*, **2021**, 417, 129246	14.7	10
436	Introducing tin to develop ternary metal oxides with excellent hydrothermal stability for NH3 selective catalytic reduction of NOx. *Applied Catalysis B: Environmental*, **2021**, 291, 120125	21.8	8
435	Mechanistic Study of the Aqueous Reaction of Organic Peroxides with HSO on the Surface of a Water Droplet. *Angewandte Chemie - International Edition*, **2021**, 60, 20200-20203	16.4	1
434	Ozone and SOA formation potential based on photochemical loss of VOCs during the Beijing summer. *Environmental Pollution*, **2021**, 285, 117444	9.3	15
433	Ammonium nitrate promotes sulfate formation through uptake kinetic regime. *Atmospheric Chemistry and Physics*, **2021**, 21, 13269-13286	6.8	5
432	Unexpected increase in low-temperature NH3-SCR catalytic activity over Cu-SSZ-39 after hydrothermal aging. *Applied Catalysis B: Environmental*, **2021**, 294, 120237	21.8	10
431	Effects of SO2 on standard and fast SCR over CeWOx: A quantitative study of the reaction pathway and active sites. *Applied Catalysis B: Environmental*, **2021**, 301, 120784	21.8	3
430	To enhance water resistance for catalytic ozone decomposition by fabricating H2O adsorption-site in OMS-2 tunnels. *Applied Catalysis B: Environmental*, **2021**, 297, 120466	21.8	5
429	Redox and acid properties of MnV2Ox/TiO2 catalysts synthesized by assistance of microwave for NO selective catalytic reduction by ammonia. *Chemical Engineering Journal Advances*, **2021**, 8, 100156	3.6	1
428	Microkinetic study of NO oxidation, standard and fast NH3-SCR on CeWOx at low temperatures. *Chemical Engineering Journal*, **2021**, 423, 130128	14.7	7
427	Highly efficient Ru/CeO2 catalysts for formaldehyde oxidation at low temperature and the mechanistic study. *Catalysis Science and Technology*, **2021**, 11, 1914-1921	5.5	5
426	Layered Double Hydroxide Catalysts for Ozone Decomposition: The Synergic Role of M and M.. *Environmental Science & Technology*, **2021**,	10.3	1

425	Importance of controllable Al sites in CHA framework by crystallization pathways for NH3-SCR reaction. *Applied Catalysis B: Environmental*, **2020**, 277, 119193	21.8	17
424	Challenges and opportunities for manganese oxides in low-temperature selective catalytic reduction of NOx with NH3: H2O resistance ability. *Journal of Solid State Chemistry*, **2020**, 289, 121464	3.3	20
423	Recent advances in catalytic decomposition of ozone. *Journal of Environmental Sciences*, **2020**, 94, 14-31	6.4	40
422	Investigation of Suitable Templates for One-Pot-Synthesized Cu-SAPO-34 in NO Abatement from Diesel Vehicle Exhaust. *Environmental Science & Technology*, **2020**, 54, 7870-7878	10.3	15
421	Role of dimethyl ether in incipient soot formation in premixed ethylene flames. *Combustion and Flame*, **2020**, 216, 271-279	5.3	10
420	Inhibitory role of excessive NH3 in NH3-SCR on CeWOx at low temperatures. *Catalysis Science and Technology*, **2020**, 10, 2758-2762	5.5	4
419	A MnO2-based catalyst with H2O resistance for NH3-SCR: Study of catalytic activity and reactants-H2O competitive adsorption. *Applied Catalysis B: Environmental*, **2020**, 270, 118860	21.8	67
418	Contrasting trends of PM and surface-ozone concentrations in China from 2013 to 2017. *National Science Review*, **2020**, 7, 1331-1339	10.8	119
417	Hydrothermal Stability Enhancement of Al-Rich Cu-SSZ-13 for NH3 Selective Catalytic Reduction Reaction by Ion Exchange with Cerium and Samarium. *Industrial & Engineering Chemistry Research*, **2020**, 59, 6416-6423	3.9	13
416	High-performance of Cu-TiO2 for photocatalytic oxidation of formaldehyde under visible light and the mechanism study. *Chemical Engineering Journal*, **2020**, 390, 124481	14.7	42
415	Impacts of Mixed Gaseous and Particulate Pollutants on Secondary Particle Formation during Ozonolysis of Butyl Vinyl Ether. *Environmental Science & Technology*, **2020**, 54, 3909-3919	10.3	3
414	The adsorption and oxidation of SO2 on MgO surface: experimental and DFT calculation studies. *Environmental Science: Nano*, **2020**, 7, 1092-1101	7.1	8
413	Quantitative determination of the Cu species, acid sites and NH3-SCR mechanism on Cu-SSZ-13 and H-SSZ-13 at low temperatures. *Catalysis Science and Technology*, **2020**, 10, 1135-1150	5.5	8
412	Resolving the puzzle of single-atom silver dispersion on nanosized □AlO surface for high catalytic performance. *Nature Communications*, **2020**, 11, 529	17.4	43
411	Precise control of post-treatment significantly increases hydrothermal stability of in-situ synthesized cu-zeolites for NH3-SCR reaction. *Applied Catalysis B: Environmental*, **2020**, 266, 118655	21.8	47
410	Chemical characterization of submicron aerosol in summertime Beijing: A case study in southern suburbs in 2018. *Chemosphere*, **2020**, 247, 125918	8.4	11
409	Effect of SO2 treatment in the presence and absence of O2 over ceria□titania oxides for selective catalytic reduction. *Journal of Materials Science*, **2020**, 55, 4570-4577	4.3	2
408	Adsorptive removal of toluene and dichloromethane from humid exhaust on MFI, BEA and FAU zeolites: An experimental and theoretical study. *Chemical Engineering Journal*, **2020**, 394, 124986	14.7	24

407	The effect of crystallite size on low-temperature hydrothermal stability of Cu-SAPO-34. *Catalysis Science and Technology*, **2020**, 10, 2855-2863	5.5	9
406	Water Promotes the Oxidation of SO by O over Carbonaceous Aerosols. *Environmental Science & Technology*, **2020**, 54, 7070-7077	10.3	9
405	The promotion effect of nitrous acid on aerosol formation in wintertime in Beijing: the possible contribution of traffic-related emissions. *Atmospheric Chemistry and Physics*, **2020**, 20, 13023-13040	6.8	14
404	Hydrothermal aging alleviates the inhibition effects of NO2 on Cu-SSZ-13 for NH3-SCR. *Applied Catalysis B: Environmental*, **2020**, 275, 119105	21.8	35
403	Investigation of Water and Sulfur Tolerance of Precipitable Silver Compound Ag/AlO Catalysts in H-Assisted CH-SCR of NO. *ACS Omega*, **2020**, 5, 29593-29600	3.9	3
402	Interfacial structure-governed SO2 resistance of Cu/TiO2 catalysts in the catalytic oxidation of CO. *Catalysis Science and Technology*, **2020**, 10, 1661-1674	5.5	9
401	Industrial carbon dioxide capture and utilization: state of the art and future challenges. *Chemical Society Reviews*, **2020**, 49, 8584-8686	58.5	184
400	Promoting effect of microwave irradiation on CeO2-TiO2 catalyst for selective catalytic reduction of NO by NH3. *Journal of Rare Earths*, **2020**, 38, 59-69	3.7	25
399	Effects of SO2 on Cu-SSZ-39 catalyst for the selective catalytic reduction of NOx with NH3. *Catalysis Science and Technology*, **2020**, 10, 1256-1263	5.5	18
398	Effects of SO and HO on low-temperature NO conversion over F-VO-WO/TiO catalysts. *Journal of Environmental Sciences*, **2020**, 90, 253-261	6.4	12
397	Detrimental role of residual surface acid ions on ozone decomposition over Ce-modified MnO under humid conditions. *Journal of Environmental Sciences*, **2020**, 91, 43-53	6.4	17
396	Promotion effect of cerium doping on irontitanium composite oxide catalysts for selective catalytic reduction of NOx with NH3. *Catalysis Science and Technology*, **2020**, 10, 648-657	5.5	15
395	Novel CeMnaOx catalyst for highly efficient catalytic decomposition of ozone. *Applied Catalysis B: Environmental*, **2020**, 264, 118498	21.8	20
394	Effect of treatment atmosphere on the vanadium species of V/TiO2 catalysts for the selective catalytic reduction of NOx with NH3. *Catalysis Science and Technology*, **2020**, 10, 311-314	5.5	10
393	Synthesis of Cu-SSZ-13 catalyst by using different silica sources for NO-SCR by NH3. *Molecular Catalysis*, **2020**, 484, 110738	3.3	6
392	A comparative study of the activity and hydrothermal stability of Al-rich Cu-SSZ-39 and Cu-SSZ-13. *Applied Catalysis B: Environmental*, **2020**, 264, 118511	21.8	62
391	Influence of atmospheric conditions on sulfuric acid-dimethylamine-ammonia-based new particle formation. *Chemosphere*, **2020**, 245, 125554	8.4	16
390	Enhancing Oxygen Vacancies of Ce-OMS-2 via Optimized Hydrothermal Conditions to Improve Catalytic Ozone Decomposition. *Industrial & Engineering Chemistry Research*, **2020**, 59, 118-128	3.9	21

389	Unprecedented Ambient Sulfur Trioxide (SO) Detection: Possible Formation Mechanism and Atmospheric Implications. *Environmental Science and Technology Letters*, **2020**, 7, 809-818	11	14
388	Distinct NO Effects on Cu-SSZ-13 and Cu-SSZ-39 in the Selective Catalytic Reduction of NO with NH. *Environmental Science & Technology*, **2020**, 54, 15499-15506	10.3	19
387	Passive NO Adsorption on Hydrothermally Aged Pd-Based Small-Pore Zeolites. *Topics in Catalysis*, **2020**, 63, 944-953	2.3	8
386	Effects of alkali and alkaline earth metals on Cu-SSZ-39 catalyst for the selective catalytic reduction of NOx with NH3. *Chemical Engineering Journal*, **2020**, 388, 124250	14.7	27
385	Air Pollutant Correlations in China: Secondary Air Pollutant Responses to NOx and SO2 Control. *Environmental Science and Technology Letters*, **2020**, 7, 695-700	11	35
384	Insights into Designing Photocatalysts for Gaseous Ammonia Oxidation under Visible Light. *Environmental Science & Technology*, **2020**, 54, 10544-10550	10.3	7
383	Identification of a Facile Pathway for Dioxymethylene Conversion to Formate Catalyzed by Surface Hydroxyl on TiO2-Based Catalyst. *ACS Catalysis*, **2020**, 10, 9706-9715	13.1	25
382	Understanding the knowledge gaps between air pollution controls and health impacts including pathogen epidemic. *Environmental Research*, **2020**, 189, 109949	7.9	12
381	Single-atom site catalysts for environmental catalysis. *Nano Research*, **2020**, 13, 3165-3182	10	134
380	Combination of Low- and Medium-Temperature Catalysts for the Selective Catalytic Reduction of NOx with NH3. *Topics in Catalysis*, **2020**, 63, 924-931	2.3	6
379	Continuous and comprehensive atmospheric observations in Beijing: a station to understand the complex urban atmospheric environment. *Big Earth Data*, **2020**, 4, 295-321	4.1	18
378	Efficient Conversion of NO to NO on SO-Aged MgO under Atmospheric Conditions. *Environmental Science & Technology*, **2020**, 54, 11848-11856	10.3	5
377	Recent advances in three-way catalysts of natural gas vehicles. *Catalysis Science and Technology*, **2020**, 10, 6407-6419	5.5	14
376	Improving the catalytic performance of ozone decomposition over Pd-Ce-OMS-2 catalysts under harsh conditions. *Catalysis Science and Technology*, **2020**, 10, 7671-7680	5.5	7
375	Tuning the Chemical State of Silver on Ag-Mn Catalysts to Enhance the Ozone Decomposition Performance. *Environmental Science & Technology*, **2020**, 54, 11566-11575	10.3	12
374	Formaldehyde Oxidation on Pd/TiO2 Catalysts at Room Temperature: The Effects of Surface Oxygen Vacancies. *Topics in Catalysis*, **2020**, 63, 810-816	2.3	5
373	Recent Progress on Improving Low-Temperature Activity of Vanadia-Based Catalysts for the Selective Catalytic Reduction of NOx with Ammonia. *Catalysts*, **2020**, 10, 1421	4	9
372	Promoting Effect of Mn on In Situ Synthesized Cu-SSZ-13 for NH3-SCR. *Catalysts*, **2020**, 10, 1375	4	3

371	Tuning the fill percentage in the hydrothermal synthesis process to increase catalyst performance for ozone decomposition. *Journal of Environmental Sciences*, **2020**, 87, 60-70	6.4	8
370	Effect of support preparation with different concentration precipitant on the NOx storage performance of Pt/BaO/CeO2 catalysts. *Catalysis Today*, **2020**, 339, 135-147	5.3	10
369	A superior Fe-V-Ti catalyst with high activity and SO resistance for the selective catalytic reduction of NO with NH. *Journal of Hazardous Materials*, **2020**, 382, 120970	12.8	58
368	The way to enhance the thermal stability of V2O5-based catalysts for NH3-SCR. *Catalysis Today*, **2020**, 355, 408-414	5.3	11
367	Investigation of the common intermediates over Fe-ZSM-5 in NH-SCR reaction at low temperature by in situ DRIFTS. *Journal of Environmental Sciences*, **2020**, 94, 32-39	6.4	10
366	A review of experimental techniques for aerosol hygroscopicity studies **2019**,		1
365	Activity enhancement of Pt/MnOx catalyst by novel ╫MnO2 for low-temperature CO oxidation: study of the CO□2 competitive adsorption and active oxygen species. *Catalysis Science and Technology*, **2019**, 9, 347-354	5.5	26
364	Cu-exchanged RTH-type zeolites for NH3-selective catalytic reduction of NOx: Cu distribution and hydrothermal stability. *Catalysis Science and Technology*, **2019**, 9, 106-115	5.5	26
363	Contrary Role of HO and O in the Kinetics of Heterogeneous Photochemical Reactions of SO on TiO. *Journal of Physical Chemistry A*, **2019**, 123, 1311-1318	2.8	13
362	Important role of aromatic hydrocarbons in SOA formation from unburned gasoline vapor. *Atmospheric Environment*, **2019**, 201, 101-109	5.3	18
361	Acidic permanganate oxidation of sulfamethoxazole by stepwise electron-proton transfer. *Chemosphere*, **2019**, 222, 71-82	8.4	9
360	Significant source of secondary aerosol: formation from gasoline evaporative emissions in the presence of SO₂ and NH₃. *Atmospheric Chemistry and Physics*, **2019**, 19, 8063-8081	6.8	28
359	Effects of ultrasonic treatment on dithiothreitol (DTT) assay measurements for carbon materials. *Journal of Environmental Sciences*, **2019**, 84, 51-58	6.4	6
358	Enhancement of aqueous sulfate formation by the coexistence of NO/NH under high ionic strengths in aerosol water. *Environmental Pollution*, **2019**, 252, 236-244	9.3	29
357	A Comprehensive Study about the Hygroscopic Behavior of Mixtures of Oxalic Acid and Nitrate Salts: Implication for the Occurrence of Atmospheric Metal Oxalate Complex. *ACS Earth and Space Chemistry*, **2019**, 3, 1216-1225	3.2	9
356	Effect of Organic Assistant on the Performance of Ceria-Based Catalysts for the Selective Catalytic Reduction of NO with Ammonia. *Catalysts*, **2019**, 9, 357	4	5
355	Atomic-scale insights into zeolite-based catalysis in NO decomposition. *Science of the Total Environment*, **2019**, 673, 266-271	10.2	6
354	SSZ-13 Synthesized by Solvent-Free Method: A Potential Candidate for NH3-SCR Catalyst with High Activity and Hydrothermal Stability. *Industrial & Engineering Chemistry Research*, **2019**, 58, 5397-5403	3.9	11

353	Secondary organic aerosol formation from the OH-initiated oxidation of guaiacol under different experimental conditions. *Atmospheric Environment*, **2019**, 207, 30-37	5.3	19
352	Water adsorption and hygroscopic growth of six anemophilous pollen species: the effect of temperature. *Atmospheric Chemistry and Physics*, **2019**, 19, 2247-2258	6.8	27
351	Polytetrafluoroethylene modifying: A low cost and easy way to improve the H2O resistance ability over MnOx for low-temperature NH3-SCR. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103044	6.8	16
350	Improvement of low-temperature catalytic activity over hierarchical Fe-Beta catalysts for selective catalytic reduction of NOx with NH3. *Chinese Chemical Letters*, **2019**, 30, 867-870	8.1	17
349	Parameterization of heterogeneous reaction of SO to sulfate on dust with coexistence of NH and NO under different humidity conditions. *Atmospheric Environment*, **2019**, 208, 133-140	5.3	18
348	Significant enhancement in water resistance of Pd/Al2O3 catalyst for benzene oxidation by Na addition. *Chinese Chemical Letters*, **2019**, 30, 1450-1454	8.1	12
347	Rate constant and secondary organic aerosol formation from the gas-phase reaction of eugenol with hydroxyl radicals. *Atmospheric Chemistry and Physics*, **2019**, 19, 2001-2013	6.8	14
346	Enhancement of secondary organic aerosol formation and its oxidation state by SO₂ during photooxidation of 2-methoxyphenol. *Atmospheric Chemistry and Physics*, **2019**, 19, 2687-2700	6.8	13
345	The promotional effect of H2 reduction treatment on the low-temperature NH3-SCR activity of Cu/SAPO-18. *Applied Surface Science*, **2019**, 483, 536-544	6.7	18
344	Shape-controlled synthesis of Pd nanocrystals with exposed {110} facets and their catalytic applications. *Catalysis Today*, **2019**, 327, 28-36	5.3	23
343	Shape dependence of support for NO storage and reduction catalysts. *Journal of Environmental Sciences*, **2019**, 75, 396-407	6.4	2
342	Variations and sources of nitrous acid (HONO) during a severe pollution episode in Beijing in winter 2016. *Science of the Total Environment*, **2019**, 648, 253-262	10.2	42
341	High Pt utilization efficiency of electrocatalysts for oxygen reduction reaction in alkaline media. *Catalysis Today*, **2019**, 332, 101-108	5.3	20
340	Experimental and DFT study of the adsorption of N2O on transition ion-exchanged ZSM-5. *Catalysis Today*, **2019**, 327, 177-181	5.3	15
339	The effects of H2O on a vanadium-based catalyst for NH3-SCR at low temperatures: a quantitative study of the reaction pathway and active sites. *Catalysis Science and Technology*, **2019**, 9, 5593-5604	5.5	6
338	Nanodispersed MnO/□AlO for NO Elimination at Room Temperature. *Environmental Science & Technology*, **2019**, 53, 10855-10862	10.3	4
337	Role of Structural Defects in MnO Promoted by Ag Doping in the Catalytic Combustion of Volatile Organic Compounds and Ambient Decomposition of O. *Environmental Science & Technology*, **2019**, 53, 10871-10879	10.3	53
336	Oxidation Potential Reduction of Carbon Nanomaterials during Atmospheric-Relevant Aging: Role of Surface Coating. *Environmental Science & Technology*, **2019**, 53, 10454-10461	10.3	8

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10	Formation and reactivity of isocyanate (NCO) species on Ag/Al2O3. *Journal of the Chemical Society, Faraday Transactions*, **1998**, 94, 2217-2219		85
9	Hydrogenation of carbidic carbon on the Ni(100) surface. *Surface Science*, **1997**, 376, 310-318	1.8	10
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4	Formation of CHx species on a Ni(100) surface by the hydrogenation of carbidic carbon. *Surface Science*, **1993**, 283, 117-120	1.8	9
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2	Cocatalyst Modification of AgTaO3 Photocatalyst for Conversion of Carbon Dioxide with Water. *Journal of Physical Chemistry C*,	3.8	1
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