

Daiqi Ye

List of Publications by Year in descending order

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151
papers

8,951
citations

34105

52
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49909

87
g-index

153
all docs

153
docs citations

153
times ranked

5867
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Synergistic catalytic ozonation of toluene with manganese and cerium varies at low temperature. <i>Chinese Chemical Letters</i> , 2022, 33, 2726-2730. | 9.0 | 7 |
| 2 | Pt/MnOx for toluene mineralization via ozonation catalysis at low temperature: SMSI optimization of surface oxygen species. <i>Chemosphere</i> , 2022, 286, 131754. | 8.2 | 18 |
| 3 | Key factors and primary modification methods of activated carbon and their application in adsorption of carbon-based gases: A review. <i>Chemosphere</i> , 2022, 287, 131995. | 8.2 | 52 |
| 4 | Unraveling specific role of carbon matrix over Pd/quasi-Ce-MOF facilitating toluene enhanced degradation. <i>Journal of Rare Earths</i> , 2022, 40, 1751-1762. | 4.8 | 7 |
| 5 | Modulate the metal support interactions to optimize the surface-interface features of Pt/CeO2 catalysts for enhancing the toluene oxidation. <i>Journal of Hazardous Materials</i> , 2022, 424, 127505. | 12.4 | 40 |
| 6 | Porous stainless-steel fibers supported CuCeFeOx/Zeolite catalysts for the enhanced CO oxidation: Experimental and kinetic studies. <i>Chemosphere</i> , 2022, 291, 132778. | 8.2 | 6 |
| 7 | Tuning the local electronic structure of SrTiO3 catalysts to boost plasma-catalytic interfacial synergy. <i>Journal of Hazardous Materials</i> , 2022, 428, 128172. | 12.4 | 7 |
| 8 | Insights into the effect of flue gas on synergistic elimination of toluene and NO over V2O5-MoO3(WO3)/TiO2 catalysts. <i>Chemical Engineering Journal</i> , 2022, 435, 134914. | 12.7 | 26 |
| 9 | The lanthanide doping effect on toluene catalytic oxidation over Pt/CeO2 catalyst. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 33-46. | 9.4 | 22 |
| 10 | Preparing hierarchical porous carbon with well-developed microporosity using alkali metal-catalyzed hydrothermal carbonization for VOCs adsorption. <i>Chemosphere</i> , 2022, 298, 134248. | 8.2 | 26 |
| 11 | Quenching-induced surface modulation of perovskite oxides to boost catalytic oxidation activity. <i>Journal of Hazardous Materials</i> , 2022, 433, 128765. | 12.4 | 12 |
| 12 | A high-performance and stable Cu/Beta for adsorption-catalytic oxidation in-situ destruction of low concentration toluene. <i>Science of the Total Environment</i> , 2022, 833, 155288. | 8.0 | 16 |
| 13 | Engineering Cobalt Oxide with Coexisting Cobalt Defects and Oxygen Vacancies for Enhanced Catalytic Oxidation of Toluene. <i>ACS Catalysis</i> , 2022, 12, 4906-4917. | 11.2 | 116 |
| 14 | A dual plasmonic core-shell Pt/[TiN@TiO2] catalyst for enhanced photothermal synergistic catalytic activity of VOCs abatement. <i>Nano Research</i> , 2022, 15, 7071-7080. | 10.4 | 17 |
| 15 | Plasma-Catalytic CO ₂ Hydrogenation over a Pd/ZnO Catalyst: <i>In Situ</i> Probing of Gas-Phase and Surface Reactions. <i>Jacs Au</i> , 2022, 2, 1800-1810. | 7.9 | 32 |
| 16 | Emission characteristics and ozone formation potentials of VOCs from ultra-low-emission waterborne automotive painting. <i>Chemosphere</i> , 2022, 305, 135469. | 8.2 | 10 |
| 17 | Cu-VWT Catalysts for Synergistic Elimination of NO _x and Volatile Organic Compounds from Coal-Fired Flue Gas. <i>Environmental Science & Technology</i> , 2022, 56, 10095-10104. | 10.0 | 15 |
| 18 | Experimental and computational investigation on the organic acid modification of porous carbon for toluene adsorption under humid conditions. <i>Chemical Engineering Journal</i> , 2022, 450, 138070. | 12.7 | 3 |

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|----|--|------|-----------|
| 19 | Effect of oxygen vacancy on the oxidation of toluene by ozone over Ag-Ce catalysts at low temperature. <i>Applied Surface Science</i> , 2022, 601, 154237. | 6.1 | 15 |
| 20 | Carbonyls from commercial, canteen and residential cooking activities as crucial components of VOC emissions in China. <i>Science of the Total Environment</i> , 2022, 846, 157317. | 8.0 | 16 |
| 21 | Enhancement of catalytic toluene combustion over Pt@Co ₃ O ₄ catalyst through in-situ metal-organic template conversion. <i>Chemosphere</i> , 2021, 262, 127738. | 8.2 | 31 |
| 22 | Nonthermal plasma catalysis for toluene decomposition over BaTiO ₃ -based catalysts by Ce doping at A-sites: The role of surface-reactive oxygen species. <i>Journal of Hazardous Materials</i> , 2021, 405, 124156. | 12.4 | 31 |
| 23 | The effect of existence states of PdOx supported by Co ₃ O ₄ nanoplatelets on catalytic oxidation of methane. <i>Applied Surface Science</i> , 2021, 539, 148211. | 6.1 | 38 |
| 24 | Effects of Zr substitution on soot combustion over cubic fluorite-structured nanoceria: Soot-ceria contact and interfacial oxygen evolution. <i>Journal of Environmental Sciences</i> , 2021, 101, 293-303. | 6.1 | 12 |
| 25 | Recent Understanding of Low-Temperature Copper Dynamics in Cu-Chabazite NH ₃ -SCR Catalysts. <i>Catalysts</i> , 2021, 11, 52. | 3.5 | 14 |
| 26 | Controllable transformation from 1D Co-MOF-74 to 3D CoCO ₃ and Co ₃ O ₄ with ligand recovery and tunable morphologies: the assembly process and boosting VOC degradation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6890-6897. | 10.3 | 34 |
| 27 | Preparation of porous carbon based on partially degraded raw biomass by <i>Trichoderma viride</i> to optimize its toluene adsorption performance. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46186-46195. | 5.3 | 8 |
| 28 | Recent Progress of Thermocatalytic and Photo/Thermocatalytic Oxidation for VOCs Purification over Manganese-based Oxide Catalysts. <i>Environmental Science & Technology</i> , 2021, 55, 4268-4286. | 10.0 | 185 |
| 29 | Chemisorbed Superoxide Species Enhanced the High Catalytic Performance of Ag/Co ₃ O ₄ Nanocubes for Soot Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21436-21449. | 8.0 | 32 |
| 30 | Micro-mesoporous carbon fabricated by <i>Phanerochaete chrysosporium</i> pretreatment coupling with chemical activation: Promoting effect and toluene adsorption performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105054. | 6.7 | 13 |
| 31 | Investigation into the roles of different oxygen species in toluene oxidation over manganese-supported platinum catalysts. <i>Molecular Catalysis</i> , 2021, 507, 111569. | 2.0 | 10 |
| 32 | Construction of Cu-Ce interface for boosting toluene oxidation: Study of Cu-Ce interaction and intermediates identified by in situ DRIFTS. <i>Chinese Chemical Letters</i> , 2021, 32, 3435-3439. | 9.0 | 24 |
| 33 | Volatile organic compounds concentration profiles and control strategy in container manufacturing industry: Case studies in China. <i>Journal of Environmental Sciences</i> , 2021, 104, 296-306. | 6.1 | 11 |
| 34 | Insight into the effect of manganese substitution on mesoporous hollow spinel cobalt oxides for catalytic oxidation of toluene. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 713-726. | 9.4 | 70 |
| 35 | Activating Metal Oxides Nanocatalysts for Electrocatalytic Water Oxidation by Quenching-Induced Near-Surface Metal Atom Functionality. <i>Journal of the American Chemical Society</i> , 2021, 143, 14169-14177. | 13.7 | 101 |
| 36 | In-Situ characterizations to investigate the nature of Co ³⁺ coordination environment to activate surface adsorbed oxygen for methane oxidation. <i>Applied Surface Science</i> , 2021, 556, 149713. | 6.1 | 23 |

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|----|--|------|-----------|
| 37 | Highly efficient adsorptive removal of toluene using silicon-modified activated carbon with improved fire resistance. <i>Journal of Hazardous Materials</i> , 2021, 415, 125753. | 12.4 | 28 |
| 38 | Unraveling the decisive role of surface CeO ₂ nanoparticles in the Pt-CeO ₂ /MnO ₂ hetero-catalysts for boosting toluene oxidation: Synergistic effect of surface decorated and intrinsic O-vacancies. <i>Chemical Engineering Journal</i> , 2021, 418, 129399. | 12.7 | 132 |
| 39 | Pd-Promoted Co ₂ NiO ₄ with lattice Co O Ni and interfacial Pd O activation for highly efficient methane oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120201. | 20.2 | 43 |
| 40 | Engineering Co ³⁺ -rich crystal planes on Co ₃ O ₄ hexagonal nanosheets for CO and hydrocarbons oxidation with enhanced catalytic activity and water resistance. <i>Chemical Engineering Journal</i> , 2021, 420, 130448. | 12.7 | 34 |
| 41 | Inhibition Effect of Phosphorus Poisoning on the Dynamics and Redox of Cu Active Sites in a Cu-SSZ-13 NH ₃ -SCR Catalyst for NO _x Reduction. <i>Environmental Science & Technology</i> , 2021, 55, 12619-12629. | 10.0 | 43 |
| 42 | ZSM-5-supported V-Cu bimetallic oxide catalyst for remarkable catalytic oxidation of toluene in coal-fired flue gas. <i>Chemical Engineering Journal</i> , 2021, 419, 129675. | 12.7 | 44 |
| 43 | Enhanced performance of low Pt loading amount on Pt-CeO ₂ catalysts prepared by adsorption method for catalytic ozonation of toluene. <i>Applied Catalysis A: General</i> , 2021, 625, 118342. | 4.3 | 35 |
| 44 | In-situ atmosphere thermal pyrolysis of spindle-like Ce(OH)CO ₃ to fabricate Pt/CeO ₂ catalysts: Enhancing Pt-O-Ce bond intensity and boosting toluene degradation. <i>Chemosphere</i> , 2021, 279, 130658. | 8.2 | 17 |
| 45 | Insight into the Improvement Effect of Nitrogen Dopant in Ag/Co ₃ O ₄ Nanocubes for Soot Oxidation: Experimental and Theoretical Studies. <i>Journal of Hazardous Materials</i> , 2021, 420, 126604. | 12.4 | 25 |
| 46 | Synergistic effect of tunable oxygen-vacancy defects and graphene on accelerating the photothermal degradation of methanol over Co ₃ O ₄ /rGO nanocomposites. <i>Chemical Engineering Journal</i> , 2021, 425, 131658. | 12.7 | 42 |
| 47 | Boosting the electrochemical performance of hematite nanorods <i>via</i> quenching-induced metal single atom functionalization. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3492-3499. | 10.3 | 20 |
| 48 | A Hydrothermally Stable Single-Atom Catalyst of Pt Supported on High-Entropy Oxide/Al ₂ O ₃ : Structural Optimization and Enhanced Catalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48764-48773. | 8.0 | 21 |
| 49 | Unravelling Phosphorus-Induced Deactivation of Pd-SSZ-13 for Passive NO _x Adsorption and CO Oxidation. <i>ACS Catalysis</i> , 2021, 11, 13891-13901. | 11.2 | 25 |
| 50 | Transient <i>in situ</i> DRIFTS Investigation of Catalytic Oxidation of Toluene over γ -Al ₂ O ₃ and γ -MnO ₂ . <i>ChemCatChem</i> , 2020, 12, 1046-1054. | 3.7 | 33 |
| 51 | Interfacial effects in hierarchically porous γ -MnO ₂ /Mn ₃ O ₄ heterostructures promote photocatalytic oxidation activity. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118418. | 20.2 | 100 |
| 52 | Adsorption-discharge plasma system for toluene decomposition over Ni-SBA catalyst: In situ observation and humidity influence study. <i>Chemical Engineering Journal</i> , 2020, 382, 122950. | 12.7 | 23 |
| 53 | Reverse water-gas shift in a packed bed DBD reactor: Investigation of metal-support interface towards a better understanding of plasma catalysis. <i>Applied Catalysis A: General</i> , 2020, 591, 117407. | 4.3 | 17 |
| 54 | Air-Stable and Dendrite-Free Lithium Metal Anodes Enabled by a Hybrid Interphase of C ₆₀ and Mg. <i>Advanced Energy Materials</i> , 2020, 10, 1903292. | 19.5 | 57 |

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|----|---|------|-----------|
| 55 | Toluene oxidation over Co ³⁺ -rich spinel Co ₃ O ₄ : Evaluation of chemical and by-product species identified by in situ DRIFTS combined with PTR-TOF-MS. <i>Journal of Hazardous Materials</i> , 2020, 386, 121957. | 12.4 | 141 |
| 56 | Active site structure study of Cu/Plate ZnO model catalysts for CO ₂ hydrogenation to methanol under the real reaction conditions. <i>Journal of CO₂ Utilization</i> , 2020, 37, 55-64. | 6.8 | 42 |
| 57 | Highly efficient mesoporous MnO ₂ catalysts for the total toluene oxidation: Oxygen-Vacancy defect engineering and involved intermediates using in situ DRIFTS. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118464. | 20.2 | 446 |
| 58 | Catalytic Performance of Toluene Combustion over Pt Nanoparticles Supported on Pore-Modified Macro-Meso-Microporous Zeolite Foam. <i>Nanomaterials</i> , 2020, 10, 30. | 4.1 | 19 |
| 59 | Effect of calcium addition in plasma catalysis for toluene removal by Ni/ZSM-5 : Acidity/basicity, catalytic activity and reaction mechanism. <i>Journal of Hazardous Materials</i> , 2020, 387, 122004. | 12.4 | 48 |
| 60 | Challenges, mitigation strategies and perspectives in development of Li metal anode. <i>Nano Select</i> , 2020, 1, 622-638. | 3.7 | 4 |
| 61 | Effect of Absorbed Sulfate Poisoning on the Performance of Catalytic Oxidation of VOCs over MnO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50566-50572. | 8.0 | 36 |
| 62 | Toluene oxidation process and proper mechanism over Co ₃ O ₄ nanotubes: Investigation through in-situ DRIFTS combined with PTR-TOF-MS and quasi in-situ XPS. <i>Chemical Engineering Journal</i> , 2020, 397, 125375. | 12.7 | 134 |
| 63 | Enhancing catalytic toluene oxidation over MnO ₂ @Co ₃ O ₄ by constructing a coupled interface. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1873-1883. | 14.0 | 57 |
| 64 | CeO ₂ -Supported Pt Catalysts Derived from MOFs by Two Pyrolysis Strategies to Improve the Oxygen Activation Ability. <i>Nanomaterials</i> , 2020, 10, 983. | 4.1 | 15 |
| 65 | The Study of Reverse Water Gas Shift Reaction Activity over Different Interfaces: The Design of Cu-Plate ZnO Model Catalysts. <i>Catalysts</i> , 2020, 10, 533. | 3.5 | 11 |
| 66 | Interfaces in MOF-Derived CeO ₂ @MnOX Composites as High-Activity Catalysts for Toluene Oxidation: Monolayer Dispersion Threshold. <i>Catalysts</i> , 2020, 10, 681. | 3.5 | 9 |
| 67 | Improved emissions inventory and VOCs speciation for industrial OFP estimation in China. <i>Science of the Total Environment</i> , 2020, 745, 140838. | 8.0 | 72 |
| 68 | Macroscopic Hexagonal Co ₃ O ₄ Tubes Derived from Controllable Two-Dimensional Metal-Organic Layer Single Crystals: Formation Mechanism and Catalytic Activity. <i>Inorganic Chemistry</i> , 2020, 59, 3062-3071. | 4.0 | 13 |
| 69 | Hierarchical porous carbon fabricated from cellulose-degrading fungus modified rice husks: Ultrahigh surface area and impressive improvement in toluene adsorption. <i>Journal of Hazardous Materials</i> , 2020, 392, 122298. | 12.4 | 54 |
| 70 | Spectroscopic identification and catalytic relevance of NH ₄ ⁺ intermediates in selective NO _x reduction over Cu-SSZ-13 zeolites. <i>Chemosphere</i> , 2020, 250, 126272. | 8.2 | 21 |
| 71 | Morphology-activity correlation of electrospun CeO ₂ for toluene catalytic combustion. <i>Chemosphere</i> , 2020, 247, 125860. | 8.2 | 32 |
| 72 | Highly efficient Cu/CeO ₂ -hollow nanospheres catalyst for the reverse water-gas shift reaction: Investigation on the role of oxygen vacancies through in situ UV-Raman and DRIFTS. <i>Applied Surface Science</i> , 2020, 516, 146035. | 6.1 | 57 |

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|----|--|------|-----------|
| 73 | Relationships of ozone formation sensitivity with precursors emissions, meteorology and land use types, in Guangdong-Hong Kong-Macao Greater Bay Area, China. <i>Journal of Environmental Sciences</i> , 2020, 94, 1-13. | 6.1 | 31 |
| 74 | Outstanding stability and highly efficient methane oxidation performance of palladium-embedded ultrathin mesoporous Co ₂ MnO ₄ spinel catalyst. <i>Applied Catalysis A: General</i> , 2020, 598, 117571. | 4.3 | 25 |
| 75 | Dendrite-free and air-stable lithium metal batteries enabled by electroless plating with aluminum fluoride. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9218-9227. | 10.3 | 16 |
| 76 | 3D geometric modeling analysis of contact probability effect in carbon black oxidation over MnO _x -CeO ₂ catalysts. <i>Chemical Engineering Journal</i> , 2020, 398, 125448. | 12.7 | 10 |
| 77 | Effect of CeO ₂ morphologies on toluene catalytic combustion. <i>Catalysis Today</i> , 2019, 332, 177-182. | 4.4 | 111 |
| 78 | 1D-Co ₃ O ₄ , 2D-Co ₃ O ₄ , 3D-Co ₃ O ₄ for catalytic oxidation of toluene. <i>Catalysis Today</i> , 2019, 332, 160-167. | 4.4 | 127 |
| 79 | <i>In situ</i> DRIFT spectroscopy insights into the reaction mechanism of CO and toluene co-oxidation over Pt-based catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 4538-4551. | 4.1 | 103 |
| 80 | Elucidating the special role of strong metal-support interactions in Pt/MnO ₂ catalysts for total toluene oxidation. <i>Nanoscale Horizons</i> , 2019, 4, 1425-1433. | 8.0 | 78 |
| 81 | Mechanistic Understanding of Cu-CHA Catalyst as Sensor for Direct NH ₃ -SCR Monitoring: The Role of Cu Mobility. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8097-8105. | 8.0 | 30 |
| 82 | Microbial Targeted Degradation Pretreatment: A Novel Approach to Preparation of Activated Carbon with Specific Hierarchical Porous Structures, High Surface Areas, and Satisfactory Toluene Adsorption Performance. <i>Environmental Science & Technology</i> , 2019, 53, 7632-7640. | 10.0 | 113 |
| 83 | Gaseous CO and toluene co-oxidation over monolithic core-shell Co ₃ O ₄ -based hetero-structured catalysts. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16197-16210. | 10.3 | 134 |
| 84 | Methanol plasma-catalytic oxidation over CeO ₂ catalysts: Effect of ceria morphology and reaction mechanism. <i>Chemical Engineering Journal</i> , 2019, 369, 233-244. | 12.7 | 62 |
| 85 | Enhanced oxygen vacancies to improve ethyl acetate oxidation over MnO _x -CeO ₂ catalyst derived from MOF template. <i>Chemical Engineering Journal</i> , 2019, 371, 78-87. | 12.7 | 116 |
| 86 | Design of 3-dimensionally self-assembled CeO ₂ hierarchical nanosphere as high efficiency catalysts for toluene oxidation. <i>Chemical Engineering Journal</i> , 2019, 369, 18-25. | 12.7 | 74 |
| 87 | Effect of plasma on catalytic conversion of CO ₂ with hydrogen over Pd/ZnO in a dielectric barrier discharge reactor. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 244001. | 2.8 | 8 |
| 88 | Performance of Toluene Removal in a Nonthermal Plasma Catalysis System over Flake-Like HZSM-5 Zeolite with Tunable Pore Size and Evaluation of Its Byproducts. <i>Nanomaterials</i> , 2019, 9, 290. | 4.1 | 13 |
| 89 | Low-cost photoionization sensors as detectors in GC-MS systems designed for ambient VOC measurements. <i>Science of the Total Environment</i> , 2019, 664, 771-779. | 8.0 | 29 |
| 90 | Plasma-Assisted Surface Interactions of Pt/CeO ₂ Catalyst for Enhanced Toluene Catalytic Oxidation. <i>Catalysts</i> , 2019, 9, 2. | 3.5 | 42 |

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|-----|---|------|-----------|
| 91 | Leaf-like Co-ZIF-L derivatives embedded on Co ₂ AlO ₄ /Ni foam from hydrotalcites as monolithic catalysts for toluene abatement. Journal of Hazardous Materials, 2019, 364, 571-580. | 12.4 | 65 |
| 92 | Macroporous Ni foam-supported Co ₃ O ₄ nanobrush and nanomace hybrid arrays for high-efficiency CO oxidation. Journal of Environmental Sciences, 2019, 75, 136-144. | 6.1 | 15 |
| 93 | Integrated Cobalt Oxide Based Nanoarray Catalysts with Hierarchical Architectures: In-situ Raman Spectroscopy Investigation on the Carbon Monoxide Reaction Mechanism. ChemCatChem, 2018, 10, 3012-3026. | 3.7 | 43 |
| 94 | Low-temperature CO oxidation over integrated penthorum chinense-like MnCo ₂ O ₄ arrays anchored on three-dimensional Ni foam with enhanced moisture resistance. Catalysis Science and Technology, 2018, 8, 1663-1676. | 4.1 | 48 |
| 95 | The Mechanism of Non-thermal Plasma Catalysis on Volatile Organic Compounds Removal. Catalysis Surveys From Asia, 2018, 22, 73-94. | 2.6 | 46 |
| 96 | Vertically-aligned Co ₃ O ₄ arrays on Ni foam as monolithic structured catalysts for CO oxidation: effects of morphological transformation. Nanoscale, 2018, 10, 7746-7758. | 5.6 | 76 |
| 97 | Roles of nitrogen species on nitrogen-doped CNTs supported Cu-ZrO ₂ system for carbon dioxide hydrogenation to methanol. Catalysis Today, 2018, 307, 212-223. | 4.4 | 55 |
| 98 | Evolution of oxygen vacancies in MnOx-CeO ₂ mixed oxides for soot oxidation. Applied Catalysis B: Environmental, 2018, 223, 91-102. | 20.2 | 401 |
| 99 | Size effect of Pt nanoparticles on the catalytic oxidation of toluene over Pt/CeO ₂ catalysts. Applied Catalysis B: Environmental, 2018, 220, 462-470. | 20.2 | 379 |
| 100 | Allowance and allocation of industrial volatile organic compounds emission in China for year 2020 and 2030. Journal of Environmental Sciences, 2018, 69, 155-165. | 6.1 | 40 |
| 101 | Adsorption of VOCs on reduced graphene oxide. Journal of Environmental Sciences, 2018, 67, 171-178. | 6.1 | 145 |
| 102 | Controllable synthesis of 3D hierarchical Co ₃ O ₄ nanocatalysts with various morphologies for the catalytic oxidation of toluene. Journal of Materials Chemistry A, 2018, 6, 498-509. | 10.3 | 268 |
| 103 | Ag supported on CeO ₂ with different morphologies for the catalytic oxidation of HCHO. Chemical Engineering Journal, 2018, 334, 2480-2487. | 12.7 | 106 |
| 104 | Ozone-enhanced deep catalytic oxidation of toluene over a platinum-ceria-supported BEA zeolite catalyst. Molecular Catalysis, 2018, 460, 7-15. | 2.0 | 37 |
| 105 | Hierarchical Co ₃ O ₄ nanostructures in-situ grown on 3D nickel foam towards toluene oxidation. Molecular Catalysis, 2018, 454, 12-20. | 2.0 | 95 |
| 106 | Enhanced photocatalytic activity of rGO/TiO ₂ for the decomposition of formaldehyde under visible light irradiation. Journal of Environmental Sciences, 2018, 73, 138-146. | 6.1 | 83 |
| 107 | Effects of dielectric barrier discharge plasma on the catalytic activity of Pt/CeO ₂ catalysts. Applied Catalysis B: Environmental, 2018, 238, 328-338. | 20.2 | 112 |
| 108 | High-efficiency non-thermal plasma-catalysis of cobalt incorporated mesoporous MCM-41 for toluene removal. Catalysis Today, 2017, 281, 527-533. | 4.4 | 64 |

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|-----|--|------|-----------|
| 109 | Catalytic properties of manganese oxide polyhedra with hollow and solid morphologies in toluene removal. <i>Applied Surface Science</i> , 2017, 405, 20-28. | 6.1 | 97 |
| 110 | Reactivity-based industrial volatile organic compounds emission inventory and its implications for ozone control strategies in China. <i>Atmospheric Environment</i> , 2017, 162, 115-126. | 4.1 | 83 |
| 111 | The Applications of Morphology Controlled ZnO in Catalysis. <i>Catalysts</i> , 2016, 6, 188. | 3.5 | 110 |
| 112 | Removal of toluene in adsorption-discharge plasma systems over a nickel modified SBA-15 catalyst. <i>RSC Advances</i> , 2016, 6, 104104-104111. | 3.6 | 15 |
| 113 | Shape effect of Pt/CeO ₂ catalysts on the catalytic oxidation of toluene. <i>Chemical Engineering Journal</i> , 2016, 306, 1234-1246. | 12.7 | 280 |
| 114 | In situ FT-IR study and evaluation of toluene abatement in different plasma catalytic systems over metal oxides loaded γ -Al ₂ O ₃ . <i>Catalysis Communications</i> , 2016, 84, 61-66. | 3.3 | 63 |
| 115 | Cycled storage-discharge (CSD) plasma catalytic removal of benzene over AgMn/HZSM-5 using air as discharge gas. <i>Catalysis Science and Technology</i> , 2016, 6, 3788-3796. | 4.1 | 21 |
| 116 | Plasma-catalysis of metal loaded SBA-15 for toluene removal: Comparison of continuously introduced and adsorption-discharge plasma system. <i>Chemical Engineering Journal</i> , 2016, 283, 276-284. | 12.7 | 102 |
| 117 | The graphitic carbon strengthened synergetic effect between Pt and FeNi in CO preferential oxidation in excess hydrogen at low temperature. <i>Catalysis Science and Technology</i> , 2016, 6, 98-106. | 4.1 | 9 |
| 118 | Carbon dioxide hydrogenation to methanol over Cu/ZrO ₂ /CNTs: effect of carbon surface chemistry. <i>RSC Advances</i> , 2015, 5, 45320-45330. | 3.6 | 44 |
| 119 | Catalytic oxidation of toluene over Au-Co supported on SBA-15. <i>Materials Research Bulletin</i> , 2015, 70, 567-572. | 5.2 | 26 |
| 120 | Toluene decomposition performance and NO _x by-product formation during a DBD-catalyst process. <i>Journal of Environmental Sciences</i> , 2015, 28, 187-194. | 6.1 | 29 |
| 121 | Solar photocatalytic ozonation of emerging contaminants detected in municipal wastewater treatment plant effluents by magnetic MWCNTs/TiO ₂ nanocomposites. <i>RSC Advances</i> , 2015, 5, 96896-96904. | 3.6 | 8 |
| 122 | Enhancement of the non-thermal plasma-catalytic system with different zeolites for toluene removal. <i>RSC Advances</i> , 2015, 5, 72113-72120. | 3.6 | 41 |
| 123 | On the performance and mechanisms of toluene removal by FeO _x /SBA-15-assisted non-thermal plasma at atmospheric pressure and room temperature. <i>Catalysis Today</i> , 2015, 242, 274-286. | 4.4 | 66 |
| 124 | A computational study on the hydrogenation of CO ₂ catalyzed by a tetraphos-ligated cobalt complex: monohydride vs. dihydride. <i>Catalysis Science and Technology</i> , 2015, 5, 1006-1013. | 4.1 | 23 |
| 125 | REMOVAL OF METHYLENE BLUE BY AN AQUEOUS SUSPENSION OF NANO-SIZED TiO ₂ CONTAINING DIFFERENT SALTS. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 2865-2870. | 0.6 | 0 |
| 126 | Synthesis of Hydrophobic Mesoporous Material MFS and Its Adsorption Properties of Water Vapor. <i>Journal of Spectroscopy</i> , 2014, 2014, 1-7. | 1.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 127 | Performance of a Novel Hydrophobic Mesoporous Material for High Temperature Catalytic Oxidation of Naphthalene. <i>Journal of Spectroscopy</i> , 2014, 2014, 1-7. | 1.3 | 1 |
| 128 | Diameter-dependent catalytic activity of ceria nanorods with various aspect ratios for toluene oxidation. <i>Chemical Engineering Journal</i> , 2014, 256, 439-447. | 12.7 | 32 |
| 129 | Surface reactive species on MnO _x (0.4)-CeO ₂ catalysts towards soot oxidation assisted with pulse dielectric barrier discharge. <i>Journal of Rare Earths</i> , 2014, 32, 153-158. | 4.8 | 19 |
| 130 | Influence of Alkali Metals with Different Ionic Radius Doping into Ce _{0.7} Zr _{0.3} O ₂ on the Active Oxygen. <i>Catalysis Letters</i> , 2014, 144, 685-690. | 2.6 | 14 |
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