

Li-Long Jiang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2433133/li-long-jiang-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

3,884
citations

34
h-index

50
g-index

219
ext. papers

5,653
ext. citations

7.5
avg, IF

6.15
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 200 | Geometrical-Site-Dependent Catalytic Activity of Ordered Mesoporous Co-Based Spinel for Benzene Oxidation: In Situ DRIFTS Study Coupled with Raman and XAFS Spectroscopy. <i>ACS Catalysis</i> , 2017 , 7, 1626-1636 | 13.1 | 185 |
| 199 | Insight into the effect of morphology on catalytic performance of porous CeO ₂ nanocrystals for H ₂ S selective oxidation. <i>Applied Catalysis B: Environmental</i> , 2019 , 252, 98-110 | 21.8 | 118 |
| 198 | Insights into the high performance of Mn-Co oxides derived from metal-organic frameworks for total toluene oxidation. <i>Journal of Hazardous Materials</i> , 2018 , 349, 119-127 | 12.8 | 108 |
| 197 | Thermodynamic and molecular insights into the absorption of H ₂ S, CO ₂ , and CH ₄ in choline chloride plus urea mixtures. <i>AIChE Journal</i> , 2019 , 65, e16574 | 3.6 | 90 |
| 196 | Effect of alloy composition on catalytic performance and coke-resistance property of Ni-Cu/Mg(Al)O catalysts for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 324-333 | 21.8 | 87 |
| 195 | Activity and Stability Boosting of an Oxygen-Vacancy-Rich BiVO Photoanode by NiFe-MOFs Thin Layer for Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1433-1440 | 16.4 | 79 |
| 194 | Polymeric carbon nitride nanomesh as an efficient and durable metal-free catalyst for oxidative desulfurization. <i>Chemical Communications</i> , 2018 , 54, 2475-2478 | 5.8 | 77 |
| 193 | Carbon dioxide reforming of methane over Ni catalysts prepared from Ni/Mg/Al layered double hydroxides: Influence of Ni loadings. <i>Fuel</i> , 2015 , 162, 271-280 | 7.1 | 71 |
| 192 | Promoted adsorption of CO ₂ on amine-impregnated adsorbents by functionalized ionic liquids. <i>AIChE Journal</i> , 2018 , 64, 3671-3680 | 3.6 | 71 |
| 191 | Amino-Modified Fe-Terephthalate Metal-Organic Framework as an Efficient Catalyst for the Selective Oxidation of HS. <i>Inorganic Chemistry</i> , 2018 , 57, 10081-10089 | 5.1 | 65 |
| 190 | Morphology Effect of Ceria on the Catalytic Performances of Ru/CeO ₂ Catalysts for Ammonia Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 9127-9135 | 3.9 | 64 |
| 189 | Enhanced catalytic activity over MIL-100(Fe) with coordinatively unsaturated Fe ²⁺ /Fe ³⁺ sites for selective oxidation of H ₂ S to sulfur. <i>Chemical Engineering Journal</i> , 2019 , 374, 793-801 | 14.7 | 63 |
| 188 | Hierarchically porous Al ₂ O ₃ nanosheets: Facile template-free preparation and reaction mechanism for H ₂ S selective oxidation. <i>Chemical Engineering Journal</i> , 2018 , 346, 238-248 | 14.7 | 55 |
| 187 | Catalytic Activity and Stability over Nanorod-Like Ordered Mesoporous Phosphorus-Doped Alumina Supported Palladium Catalysts for Methane Combustion. <i>ACS Catalysis</i> , 2018 , 8, 11016-11028 | 13.1 | 55 |
| 186 | Low temperature desulfurization on Co-doped FeOOH: Tailoring the phase composition and creating the defects. <i>Chemical Engineering Journal</i> , 2016 , 306, 124-130 | 14.7 | 53 |
| 185 | Fe-doped Al ₂ O ₃ porous hollow microspheres for enhanced oxidative desulfurization: facile fabrication and reaction mechanism. <i>Green Chemistry</i> , 2018 , 20, 4645-4654 | 10 | 52 |
| 184 | Nitrogen-Decorated, Ordered Mesoporous Carbon Spheres as High-Efficient Catalysts for Selective Capture and Oxidation of H ₂ S. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7609-7618 | 8.3 | 50 |

| | | | |
|-----|--|------|----|
| 183 | Exfoliation of Graphitic Carbon Nitride for Enhanced Oxidative Desulfurization: A Facile and General Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4941-4950 | 8.3 | 49 |
| 182 | Ammonia Synthesis Activity of Alumina-Supported Ruthenium Catalyst Enhanced by Alumina Phase Transformation. <i>ACS Catalysis</i> , 2019 , 9, 1635-1644 | 13.1 | 49 |
| 181 | Structure-Activity Relationships of AMn ₂ O ₄ (A = Cu and Co) Spinel in Selective Catalytic Reduction of NO _x : Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3339-3349 | 3.8 | 45 |
| 180 | Effect of ceria morphology on the catalytic activity of Co/CeO ₂ catalyst for ammonia synthesis. <i>Catalysis Communications</i> , 2017 , 101, 15-19 | 3.2 | 45 |
| 179 | Isolated iron sites embedded in graphitic carbon nitride (g-C ₃ N ₄) for efficient oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2020 , 267, 118663 | 21.8 | 44 |
| 178 | Total oxidation of benzene over ACo ₂ O ₄ (A = Cu, Ni and Mn) catalysts: In situ DRIFTS account for understanding the reaction mechanism. <i>Applied Surface Science</i> , 2017 , 426, 1198-1205 | 6.7 | 44 |
| 177 | Structural requirements of manganese oxides for methane oxidation: XAS spectroscopy and transition-state studies. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 52-62 | 21.8 | 43 |
| 176 | Insight into dynamic and steady-state active sites for nitrogen activation to ammonia by cobalt-based catalyst. <i>Nature Communications</i> , 2020 , 11, 653 | 17.4 | 39 |
| 175 | Design of Efficient, Hierarchical Porous Polymers Endowed with Tunable Structural Base Sites for Direct Catalytic Elimination of COS and HS. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29950-29959 | 9.5 | 38 |
| 174 | Cobalt-aluminum mixed oxides prepared from layered double hydroxides for the total oxidation of benzene. <i>Applied Catalysis A: General</i> , 2015 , 507, 130-138 | 5.1 | 37 |
| 173 | Layered double hydroxides as precursors of Cu catalysts for hydrogen production by water-gas shift reaction. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 10016-10025 | 6.7 | 36 |
| 172 | Highly Efficient Porous Fe _x Ce _{1-x} O ₂ with Three-Dimensional Hierarchical Nanoflower Morphology for H ₂ S-Selective Oxidation. <i>ACS Catalysis</i> , 2020 , 10, 3968-3983 | 13.1 | 36 |
| 171 | Effects of anaerobic SO ₂ treatment on nano-CeO ₂ of different morphologies for selective catalytic reduction of NO _x with NH ₃ . <i>Chemical Engineering Journal</i> , 2020 , 382, 122910 | 14.7 | 36 |
| 170 | Designing Low-Viscosity Deep Eutectic Solvents with Multiple Weak-Acidic Groups for Ammonia Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7352-7360 | 8.3 | 35 |
| 169 | Synthesis of Mg-Doped Ordered Mesoporous Pd/Al ₂ O ₃ with Different Basicity for CO, NO, and HC Elimination. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1687-1695 | 3.9 | 34 |
| 168 | Porous nanosheets of carbon-conjugated graphitic carbon nitride for the oxidation of H ₂ S to elemental sulfur. <i>Carbon</i> , 2019 , 155, 204-214 | 10.4 | 34 |
| 167 | Synthesis of Co/Mn oxides with double-shelled nanocages for low-temperature toluene combustion. <i>Catalysis Science and Technology</i> , 2018 , 8, 4494-4502 | 5.5 | 34 |
| 166 | Facile fabrication of shape-controlled CoMnO nanocatalysts for benzene oxidation at low temperatures. <i>Chemical Communications</i> , 2018 , 54, 2154-2157 | 5.8 | 33 |

| | | | |
|-----|--|------|----|
| 165 | A solvent-free, one-step synthesis of sulfonic acid group-functionalized mesoporous organosilica with ultra-high acid concentrations and excellent catalytic activities. <i>Green Chemistry</i> , 2018 , 20, 1020-1030 | 10 | 33 |
| 164 | Ni/Al ₂ O ₃ -ZrO ₂ catalyst for CO ₂ methanation: The role of γ -(Al, Zr)O ₃ formation. <i>Applied Surface Science</i> , 2018 , 459, 74-79 | 6.7 | 32 |
| 163 | MOF-derived porous Fe ₂ O ₃ with controllable shapes and improved catalytic activities in H ₂ S selective oxidation. <i>CrystEngComm</i> , 2018 , 20, 3449-3454 | 3.3 | 32 |
| 162 | Low-Temperature H ₂ S Removal from Gas Streams over γ -FeOOH, γ -Fe ₂ O ₃ , and α -Fe ₂ O ₃ : Effects of the Hydroxyl Group, Defect, and Specific Surface Area. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 19353-19360 | 3.9 | 31 |
| 161 | Synthesis and application of highly dispersed ordered mesoporous silicon-doped Pd-alumina catalyst with high thermal stability. <i>Chemical Engineering Journal</i> , 2016 , 297, 148-157 | 14.7 | 31 |
| 160 | Enhanced Selective H ₂ S Oxidation Performance on Mo ₂ C-Modified g-C ₃ N ₄ . <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16257-16263 | 8.3 | 29 |
| 159 | Hydrotalcite-derived Co/Mg(Al)O as a stable and coke-resistant catalyst for low-temperature carbon dioxide reforming of methane. <i>Applied Catalysis A: General</i> , 2018 , 552, 21-29 | 5.1 | 29 |
| 158 | Cu/CeO Catalyst for Water-Gas Shift Reaction: Effect of CeO Pretreatment. <i>ChemPhysChem</i> , 2018 , 19, 1448-1455 | 3.2 | 29 |
| 157 | Illuminate the active sites of γ -FeOOH for low-temperature desulfurization. <i>Applied Surface Science</i> , 2017 , 425, 212-219 | 6.7 | 29 |
| 156 | MnO ₂ nanoparticles encapsulated in spheres of Ce-Mn solid solution: Efficient catalyst and good water tolerance for low-temperature toluene oxidation. <i>Applied Surface Science</i> , 2020 , 504, 144481 | 6.7 | 29 |
| 155 | Efficient catalytic elimination of COS and H ₂ S by developing ordered mesoporous carbons with versatile base N sites via a calcination induced self-assembly route. <i>Chemical Engineering Science</i> , 2020 , 221, 115714 | 4.4 | 28 |
| 154 | Selective catalytic tailoring of the H unit in herbaceous lignin for methyl p-hydroxycinnamate production over metal-based ionic liquids. <i>Green Chemistry</i> , 2018 , 20, 3743-3752 | 10 | 28 |
| 153 | Rational designed Co@N-doped carbon catalyst for high-efficient H ₂ S selective oxidation by regulating electronic structures. <i>Chemical Engineering Journal</i> , 2020 , 401, 126038 | 14.7 | 28 |
| 152 | Pyridine-Functionalized and Metallized Meso-Macroporous Polymers for Highly Selective Capture and Catalytic Conversion of CO ₂ into Cyclic Carbonates. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 15008-15016 | 3.9 | 27 |
| 151 | Characterization and Catalytic Performance of Cu/ZnO/Al ₂ O ₃ Water-Gas Shift Catalysts Derived from Cu ₂ ZnAl Layered Double Hydroxides. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 3175-3183 | 3.9 | 26 |
| 150 | Deactivation study of carbon-supported ruthenium catalyst with potassium promoter. <i>Applied Catalysis A: General</i> , 2017 , 541, 1-7 | 5.1 | 26 |
| 149 | Strong metal-support interactions of Co-based catalysts facilitated by dopamine for highly efficient ammonia synthesis: in situ XPS and XAFS spectroscopy coupled with TPD studies. <i>Chemical Communications</i> , 2019 , 55, 474-477 | 5.8 | 26 |
| 148 | Studies on SO ₂ Tolerance and Regeneration over Perovskite-Type LaCo _{1-x} Pt _x O ₃ in NO _x Storage and Reduction. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13743-13751 | 3.8 | 26 |

| | | | |
|-----|--|------|----|
| 147 | Mechanochemically synthesized MgAl layered double hydroxide nanosheets for efficient catalytic removal of carbonyl sulfide and HS. <i>Chemical Communications</i> , 2019 , 55, 9375-9378 | 5.8 | 25 |
| 146 | Highly efficient and selective separation of ammonia by deep eutectic solvents through cooperative acid-base and strong hydrogen-bond interaction. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116463 | 6 | 25 |
| 145 | A green and efficient hydration of alkynes catalyzed by hierarchically porous poly(ionic liquid)s solid strong acids. <i>Applied Catalysis A: General</i> , 2018 , 564, 56-63 | 5.1 | 24 |
| 144 | Aqueous and Template-Free Synthesis of Meso-Macroporous Polymers for Highly Selective Capture and Conversion of Carbon Dioxide. <i>ChemSusChem</i> , 2017 , 10, 4144-4149 | 8.3 | 24 |
| 143 | Promoting effect of Cu-doping on catalytic activity and SO ₂ resistance of porous CeO ₂ nanorods for H ₂ S selective oxidation. <i>Journal of Catalysis</i> , 2020 , 389, 382-399 | 7.3 | 23 |
| 142 | Role of Citric Acid in Preparing Highly Active CoMo/Al ₂ O ₃ Catalyst: From Aqueous Impregnation Solution to Active Site Formation. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14172-14181 ⁹ | 3.9 | 23 |
| 141 | Magnesium-aluminum mixed metal oxide supported copper nanoparticles as catalysts for water-gas shift reaction. <i>Fuel</i> , 2016 , 184, 382-389 | 7.1 | 23 |
| 140 | Microstructural property regulation and performance in methane combustion reaction of ordered mesoporous alumina supported palladium-cobalt bimetallic catalysts. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118269 | 21.8 | 22 |
| 139 | Rapid electrochemical synthesis of HKUST-1 on indium tin oxide. <i>RSC Advances</i> , 2017 , 7, 9316-9320 | 3.7 | 20 |
| 138 | Effect of Ceria Precursor on the Physicochemical and Catalytic Properties of Mn ^{IV} /CeO ₂ Nanocatalysts for NH ₃ SCR at Low Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14980-14994 | 3.9 | 20 |
| 137 | Atomically Dispersed Ru Catalyst for Low-Temperature Nitrogen Activation to Ammonia via an Associative Mechanism. <i>ACS Catalysis</i> , 2020 , 10, 9504-9514 | 13.1 | 20 |
| 136 | Highly Efficient Transfer Hydrogenation of Levulinate Esters to Valerolactone over Basic Zirconium Carbonate. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10126-10136 | 3.9 | 20 |
| 135 | Preparation of supported Co catalysts from CoMgAl layered double hydroxides for carbon dioxide reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 5063-5071 | 6.7 | 19 |
| 134 | Tuning the growth of Cu-MOFs for efficient catalytic hydrolysis of carbonyl sulfide. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 1373-1381 | 11.3 | 19 |
| 133 | Facile synthesis of Mn-Fe/CeO nanotubes by gradient electrospinning and their excellent catalytic performance for propane and methane oxidation. <i>Dalton Transactions</i> , 2017 , 46, 16967-16972 | 4.3 | 19 |
| 132 | Enhanced ammonia synthesis performance of ceria-supported Ru catalysts via introduction of titanium. <i>Chemical Communications</i> , 2020 , 56, 1141-1144 | 5.8 | 19 |
| 131 | Influence of reduction temperature on Ni particle size and catalytic performance of Ni/Mg(Al)O catalyst for CO ₂ reforming of CH ₄ . <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 2794-2807 | 6.7 | 19 |
| 130 | Engineering of crystal phase over porous MnO with 3D morphology for highly efficient elimination of HS. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125180 | 12.8 | 19 |

| | | | |
|-----|--|------|----|
| 129 | Influence of Ru Substitution on the Properties of LaCoO ₃ Catalysts for Ammonia Synthesis: XAFS and XPS Studies. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 17375-17383 | 3.9 | 19 |
| 128 | Enhancing the activity of MoS ₂ /SiO ₂ -Al ₂ O ₃ bifunctional catalysts for suspended-bed hydrocracking of heavy oils by doping with Zr atoms. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 39, 126-126 | 3.2 | 18 |
| 127 | Facile fabrication of Ce-decorated composition-tunable Ce@ZnCoO core-shell microspheres for enhanced catalytic propane combustion. <i>Nanoscale</i> , 2019 , 11, 4794-4802 | 7.7 | 17 |
| 126 | Efficient ammonia synthesis over a core-shell Ru/CeO ₂ catalyst with a tunable CeO ₂ size: DFT calculations and XAS spectroscopy studies. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 396-406 | 6.8 | 17 |
| 125 | Biomass-Derived Hierarchically Porous Carbons Abundantly Decorated with Nitrogen Sites for Efficient CO ₂ Catalytic Utilization. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 7980-7988 | 3.9 | 17 |
| 124 | Carbon support surface effects in the catalytic performance of Ba-promoted Ru catalyst for ammonia synthesis. <i>Catalysis Today</i> , 2018 , 316, 230-236 | 5.3 | 17 |
| 123 | Facile Strategy to Extend Stability of Simple Component-Alumina-Supported Palladium Catalysts for Efficient Methane Combustion. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56095-56107 | 9.5 | 17 |
| 122 | Coupling ammonia catalytic decomposition and electrochemical oxidation for solid oxide fuel cells: A model based on elementary reaction kinetics. <i>Journal of Power Sources</i> , 2019 , 423, 125-136 | 8.9 | 16 |
| 121 | Facile construction of ultrastable alumina anchored palladium catalysts via a designed one pot strategy for enhanced methane oxidation. <i>Catalysis Science and Technology</i> , 2020 , 10, 4612-4623 | 5.5 | 16 |
| 120 | Graphitic Carbon Nitride Functionalized with Polyethylenimine for Highly Effective Capture of Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 11031-11038 | 3.9 | 16 |
| 119 | Synthesis of a Highly Stable Pd@CeO Catalyst for Methane Combustion with the Synergistic Effect of Urea and Citric Acid. <i>ACS Omega</i> , 2018 , 3, 16769-16776 | 3.9 | 16 |
| 118 | Enhanced Ammonia Synthesis Activity of Ceria-Supported Ruthenium Catalysts Induced by CO Activation. <i>ACS Catalysis</i> , 2021 , 11, 1331-1339 | 13.1 | 16 |
| 117 | Sulfur resistant WGS catalyst for hydrogen production based on CoMo supported by Nb modified MgAl mixed oxide. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 29935-29943 | 6.7 | 15 |
| 116 | Iron-Based Metal-Organic Frameworks as Platform for HS Selective Conversion: Structure-Dependent Desulfurization Activity. <i>Inorganic Chemistry</i> , 2020 , 59, 4483-4492 | 5.1 | 15 |
| 115 | Site-Oriented Design of High-Performance Halloysite-Supported Palladium Catalysts for Methane Combustion. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 5636-5647 | 3.9 | 15 |
| 114 | Techno-economic analysis and comprehensive optimization of an on-site hydrogen refuelling station system using ammonia: hybrid hydrogen purification with both high H ₂ purity and high recovery. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 3006-3017 | 5.8 | 15 |
| 113 | Pyrochlore Pr ₂ Zr _{2-x} M _x O _{7+δ} (M = Al, Ga, In) solid-state electrolytes: Defect-mediated oxygen hopping pathways and enhanced NO ₂ sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 130-139 | 8.5 | 15 |
| 112 | Characterization and catalytic behavior of hydrotalcite-derived Ni/Al catalysts for methane decomposition. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 17299-17310 | 6.7 | 14 |

| | | | |
|-----|--|------|----|
| 111 | Effect of Ce modification on the structural and catalytic property of Co-Mo/Mg(Al)O catalyst for water-gas shift reaction. <i>Applied Catalysis A: General</i> , 2018 , 553, 36-42 | 5.1 | 14 |
| 110 | Effects of Doping Rare Earth Elements (Y, La, and Ce) on Catalytic Performances of CoMo/MgAlM for Water Gas Shift Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 833-844 | 3.9 | 14 |
| 109 | Sacrificial Adsorbate Strategy Achieved Strong Metal-Support Interaction of Stable Cu Nanocatalysts. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1408-1414 | 6.1 | 14 |
| 108 | Low-Temperature Desulfurization on Iron Oxide Hydroxides: Influence of Precipitation pH on Structure and Performance. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2419-2424 | 3.9 | 13 |
| 107 | Highly Active and Sulfur-Resistant Fe-N Sites in Porous Carbon Nitride for the Oxidation of H ₂ S into Elemental Sulfur. <i>Small</i> , 2020 , 16, e2003904 | 11 | 13 |
| 106 | NiBe/Mg(Al)O alloy catalyst for carbon dioxide reforming of methane: Influence of reduction temperature and NiBe alloying on coking. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 33574-33585 | 6.7 | 13 |
| 105 | CoMo sulfur-tolerant water-gas shift catalyst derived from an Anderson-type heteropolyanion precursor. <i>Catalysis Communications</i> , 2016 , 86, 19-22 | 3.2 | 13 |
| 104 | Effects of Using Carbon-Coated Alumina as Support for Ba-Promoted Ru Catalyst in Ammonia Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10285-10295 | 3.9 | 12 |
| 103 | Operando spectroscopic and isotopic-label-directed observation of LaN-promoted Ru/ZrH ₂ catalyst for ammonia synthesis via associative and chemical looping route. <i>Journal of Catalysis</i> , 2020 , 389, 218-228 | 7.3 | 12 |
| 102 | MgAl-LDO mixed oxide derived from layered double hydroxide: A potential support for CoMo sulfur-resistant water-gas shift catalyst. <i>Catalysis Communications</i> , 2016 , 78, 44-47 | 3.2 | 12 |
| 101 | Construction of Fe-doped TiO ₂ ultrathin nanosheets with rich oxygen vacancies for highly efficient oxidation of H ₂ S. <i>Chemical Engineering Journal</i> , 2022 , 430, 132917 | 14.7 | 12 |
| 100 | Highly efficient ammonia synthesis at low temperature over a Ru-Co catalyst with dual atomically dispersed active centers. <i>Chemical Science</i> , 2021 , 12, 7125-7137 | 9.4 | 12 |
| 99 | A novel solar system integrating concentrating photovoltaic thermal collectors and variable effect absorption chiller for flexible co-generation of electricity and cooling. <i>Energy Conversion and Management</i> , 2020 , 206, 112506 | 10.6 | 11 |
| 98 | Efficient low-temperature soot combustion by bimetallic Ag-Cu/SBA-15 catalysts. <i>Journal of Environmental Sciences</i> , 2018 , 64, 122-129 | 6.4 | 11 |
| 97 | Acid-Modified Natural Bauxite Mineral as a Cost-Effective and High-Efficient Catalyst Support for Slurry-Phase Hydrocracking of High-Temperature Coal Tar. <i>Energy & Fuels</i> , 2016 , 30, 9203-9209 | 4.1 | 11 |
| 96 | Hybrid Mo-C Nanowires as Highly Efficient Catalysts for Direct Dehydrogenation of Isobutane. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23112-23121 | 9.5 | 11 |
| 95 | Molecular-level understanding of reaction path optimization as a function of shape concerning the metal-support interaction effect of Co/CeO ₂ on water-gas shift catalysis. <i>Catalysis Science and Technology</i> , 2019 , 9, 4928-4937 | 5.5 | 11 |
| 94 | Inducing the Metal-Support Interaction and Enhancing the Ammonia Synthesis Activity of Ceria-Supported Ruthenium Catalyst via N ₂ H ₄ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4885-4893 | 8.3 | 11 |

| | | | |
|----|---|------|----|
| 93 | Pyrochlore Pr ₂ Zr _{1.95} In _{0.05} O _{7+δ} oxygen conductors: Defect-induced electron transport and enhanced NO ₂ sensing performances. <i>Electrochimica Acta</i> , 2019 , 293, 338-347 | 6.7 | 11 |
| 92 | Preparation of CuO/CeO ₂ Catalyst with Enhanced Catalytic Performance for Water-Gas Shift Reaction in Hydrogen Production. <i>Energy Technology</i> , 2018 , 6, 1096-1103 | 3.5 | 11 |
| 91 | Construction of cross-linked MnO ₂ with ultrathin structure for the oxidation of H ₂ S: Structure-activity relationship and kinetics study. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120402 | 21.8 | 11 |
| 90 | Cu incorporated perovskite Na _{0.5} Bi _{0.5} TiO ₃ oxygen-defect conductor as NO ₂ sensor using CuO sensitive electrode. <i>Ceramics International</i> , 2019 , 45, 8494-8503 | 5.1 | 10 |
| 89 | Controlling the synthesis and application of nanocrystalline spherical and ordered mesoporous alumina with high thermal stability. <i>RSC Advances</i> , 2015 , 5, 93917-93925 | 3.7 | 10 |
| 88 | Preparation of a Highly Efficient Carbon-Supported Ruthenium Catalyst by Carbon Monoxide Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2819-2828 | 3.9 | 10 |
| 87 | Highly efficient Cu _x O/TiO ₂ catalysts: controllable dispersion and isolation of metal active species. <i>Dalton Transactions</i> , 2016 , 45, 4491-5 | 4.3 | 10 |
| 86 | Facile fabrication of hollow tubular mixed oxides for selective catalytic reduction of NO at low temperature: a combined experimental and theoretical study. <i>Chemical Communications</i> , 2017 , 53, 967-970 | 5.8 | 9 |
| 85 | Rational design of highly H ₂ O- and CO ₂ -tolerant hydroxyapatite-supported Pd catalyst for low-temperature methane combustion. <i>Chemical Engineering Journal</i> , 2020 , 396, 125225 | 14.7 | 9 |
| 84 | From cheap natural bauxite to high-efficient slurry-phase hydrocracking catalyst for high temperature coal tar: A simple hydrothermal modification. <i>Fuel Processing Technology</i> , 2018 , 175, 123-130 | 7.2 | 9 |
| 83 | Gas sensing properties of amperometric NH ₃ sensors based on Sm ₂ Zr ₂ O ₇ solid electrolyte and SrM ₂ O ₄ (M = Sm, La, Gd, Y) sensing electrodes. <i>Sensors and Actuators B: Chemical</i> , 2020 , 303, 127220 | 8.5 | 9 |
| 82 | Pressurized tubular solid oxide H ₂ O/CO ₂ coelectrolysis cell for direct power-to-methane. <i>AIChE Journal</i> , 2020 , 66, e16896 | 3.6 | 9 |
| 81 | Construction of Spatial Effect from Atomically Dispersed Co Anchoring on Subnanometer Ru Cluster for Enhanced N ₂ -to-NH ₃ Conversion. <i>ACS Catalysis</i> , 2021 , 11, 4430-4440 | 13.1 | 9 |
| 80 | Interfacial Engineering Promoting Electrosynthesis of Ammonia over Mo/Phosphotungstic Acid with High Performance. <i>Advanced Functional Materials</i> , 2021 , 31, 2009151 | 15.6 | 9 |
| 79 | Catalytic methane oxidation performance over Pd/Al ₂ O ₃ catalyst optimized by the synergy of phosphorus and MO _x (M = La, Ba and Zr). <i>Fuel</i> , 2021 , 299, 120933 | 7.1 | 9 |
| 78 | Synthesis, Characterization, and Catalytic Performance of Aminomethylphosphonic Molybdenum Catalysts for Slurry-Phase Hydrocracking. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 2689-2696 | 3.9 | 8 |
| 77 | Recent advances on nitrogen-doped metal-free materials for the selective catalytic oxidation of hydrogen sulfide. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020 , 25, 100361 | 7.9 | 8 |
| 76 | Geometric synergy of Steam/Carbon dioxide Co-electrolysis and methanation in a tubular solid oxide Electrolysis cell for direct Power-to-Methane. <i>Energy Conversion and Management</i> , 2020 , 208, 112570 | 10.6 | 8 |

| | | | |
|----|---|-------|---|
| 75 | Hydrogen production by water-gas shift reaction over Co-promoted MoS ₂ /Al ₂ O ₃ catalyst: The intrinsic activities of Co-promoted and unprompted sites. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 7405-7410 | 6.7 | 8 |
| 74 | Effects of A-site non-stoichiometry in YInO on the catalytic performance during methane combustion. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 30418-30428 | 3.6 | 8 |
| 73 | Ammonia-free synthesis of Mo/CoMgAl catalysts with excellent activities in water-gas shift reaction. <i>Applied Catalysis A: General</i> , 2019 , 575, 58-64 | 5.1 | 7 |
| 72 | Unraveling the Role of Cu ⁰ and Cu ⁺ Sites in Cu/SiO ₂ Catalysts for Water-Gas Shift Reaction. <i>ChemCatChem</i> , 2020 , 12, 4672-4679 | 5.2 | 7 |
| 71 | Geometric and electronic modification of the active Fe sites of γ -Fe ₂ O ₃ for highly efficient toluene combustion. <i>Journal of Hazardous Materials</i> , 2020 , 398, 123233 | 12.8 | 7 |
| 70 | Cu/Fe ₃ O ₄ catalyst for water gas shift reaction: Insight into the effect of Fe ²⁺ and Fe ³⁺ distribution in Fe ₃ O ₄ . <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 8456-8465 | 6.7 | 7 |
| 69 | Enhanced Methane Oxidation over Co ₃ O ₄ /In ₂ O _{3-x} Composite Oxide Nanoparticles via Controllable Substitution of Co ³⁺ /Co ²⁺ by In ³⁺ Ions. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9470-9479 | 5.6 | 7 |
| 68 | Porous γ -Fe ₂ O ₃ /SnO ₂ nanoflower with enhanced sulfur selectivity and stability for H ₂ S selective oxidation. <i>Chinese Chemical Letters</i> , 2021 , 32, 2143-2150 | 8.1 | 7 |
| 67 | N-Induced Electron Transfer Effect on Low-Temperature Activation of Nitrogen for Ammonia Synthesis over Co-Based Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1529-1539 | 8.3 | 7 |
| 66 | Hierarchical N-Doped Carbons Endowed with Structural Base Sites toward Highly Selective Adsorption and Catalytic Oxidation of H ₂ S. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 2101-2111 | 3.9 | 7 |
| 65 | Ru-Based Catalysts for Ammonia Decomposition: A Mini-Review. <i>Energy & Fuels</i> , 2021 , 35, 11693-11706 | 14.06 | 7 |
| 64 | Total oxidation of benzene over cobalt-aluminum mixed oxides prepared from layered double hydroxides: influence of preparation methods. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016 , 118, 593-604 | 1.6 | 6 |
| 63 | Slurry-Phase Hydrocracking of a Decalin/Phenanthrene Mixture by MoS ₂ /SiO ₂ / γ -Fe ₂ O ₃ Bifunctional Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 230-242 | 3.9 | 6 |
| 62 | Insights into the electrochemical degradation of phenolic lignin model compounds in a protic ionic liquid/water system. <i>Green Chemistry</i> , 2021 , 23, 1665-1677 | 10 | 6 |
| 61 | Mg-Al hydrotalcite-supported Pd catalyst for low-temperature CO oxidation: effect of Pd species and surface hydroxyl groups. <i>Dalton Transactions</i> , 2018 , 47, 14938-14944 | 4.3 | 6 |
| 60 | Unraveling the Size-Dependent Effect of Ru-based Catalysts on Ammonia Synthesis at Mild Conditions. <i>Journal of Catalysis</i> , 2021 , 404, 501-501 | 7.3 | 5 |
| 59 | Efficient catalytic removal of COS and H ₂ S over graphitized 2D micro-meso-macroporous carbons endowed with ample nitrogen sites synthesized via mechanochemical carbonization. <i>Green Energy and Environment</i> , 2020 , | 5.7 | 5 |
| 58 | Sacrificial Sucrose Strategy Achieved Enhancement of Ammonia Synthesis Activity over a Ceria-Supported Ru Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8962-8969 | 8.3 | 5 |

| | | | |
|----|--|------|---|
| 57 | Morphology evolution of acetic acid-modulated MIL-53(Fe) for efficient selective oxidation of H ₂ S. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 279-287 | 11.3 | 5 |
| 56 | Spatial Confinement of Electron-Rich Ni Nanoparticles for Efficient Ammonia Decomposition to Hydrogen Production. <i>ACS Catalysis</i> , 2021 , 11, 10345-10350 | 13.1 | 5 |
| 55 | Improving the ammonia synthesis activity of Ru/CeO ₂ through enhancement of the metal-support interaction. <i>Journal of Energy Chemistry</i> , 2021 , 60, 403-409 | 12 | 5 |
| 54 | Effect of pore-size distribution on Ru/ZSM-5 catalyst for enhanced N ₂ activation to ammonia via dissociative mechanism. <i>Journal of Rare Earths</i> , 2020 , 38, 873-882 | 3.7 | 4 |
| 53 | Promoting Effects of Lanthan on Ru/AC for Ammonia Synthesis: Tuning Catalytic Efficiency and Stability Simultaneously. <i>ChemistrySelect</i> , 2017 , 2, 6040-6046 | 1.8 | 4 |
| 52 | A Novel Highly Sensitive NO Sensor Based on Perovskite NaBiTiO Electrolyte. <i>Scientific Reports</i> , 2017 , 7, 4997 | 4.9 | 4 |
| 51 | Tunable ionic liquids as oil-soluble precursors of dispersed catalysts for suspended-bed hydrocracking of heavy residues. <i>Fuel</i> , 2021 , 313, 122664 | 7.1 | 4 |
| 50 | An ammonia-hydrogen energy roadmap for carbon neutrality: Opportunity and challenges in china. <i>Engineering</i> , 2021 , | 9.7 | 4 |
| 49 | Size sensitivity of supported Ru catalysts for ammonia synthesis: From nanoparticles to subnanometric clusters and atomic clusters. <i>Chem</i> , 2021 , | 16.2 | 4 |
| 48 | Construction of a Pd(PdO)/CoO@SiO ₂ core-shell structure for efficient low-temperature methane combustion. <i>Nanoscale</i> , 2021 , 13, 5026-5032 | 7.7 | 4 |
| 47 | Ru surface density effect on ammonia synthesis activity and hydrogen poisoning of ceria-supported Ru catalysts. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1712-1723 | 11.3 | 4 |
| 46 | Investigation on Deactivation of K-promoted Ru Catalyst for Ammonia Synthesis by CO Formation. <i>ChemistrySelect</i> , 2020 , 5, 6639-6645 | 1.8 | 3 |
| 45 | Zeolite-seed-directed Ru nanoparticles highly resistant against sintering for efficient nitrogen activation to ammonia. <i>Science Bulletin</i> , 2020 , 65, 1085-1093 | 10.6 | 3 |
| 44 | Improving conversion of methyl palmitate to diesel-like fuel through catalytic deoxygenation with B ₂ O ₃ -modified ZrO ₂ . <i>Fuel Processing Technology</i> , 2022 , 226, 107091 | 7.2 | 3 |
| 43 | Densities and viscosities of, and solubilities of acidic gases (SO ₂ and H ₂ S) in natural deep eutectic solvents. <i>Journal of Chemical Thermodynamics</i> , 2022 , 167, 106713 | 2.9 | 3 |
| 42 | Electronic Regulation of Bromophenyl Grafted Metal-Free Carbon Nitride Catalysts for Enhanced Utilization of H ₂ S. <i>ChemCatChem</i> , 2021 , 13, 2386-2392 | 5.2 | 3 |
| 41 | Influence of alloying on the catalytic performance of NiAl catalyst prepared from hydrotalcite-like compounds for methane decomposition. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 3833-3846 | 6.7 | 3 |
| 40 | Construction and evolution of active palladium species on phase-regulated reducible TiO ₂ for methane combustion. <i>Catalysis Science and Technology</i> , 2021 , 11, 836-845 | 5.5 | 3 |

| | | | |
|----|--|------|---|
| 39 | Hydrogen Production via Water-Gas Shift Reaction by Cu/SiO ₂ Catalyst: A Case Study of CeO ₂ Doping. <i>Energy & Fuels</i> , 2021 , 35, 3521-3528 | 4.1 | 3 |
| 38 | Geometric structure distribution and oxidation state demand of cations in spinel Ni _x Fe _{1-x} Co ₂ O ₄ composite cathodes for solid oxide fuel cells. <i>Chemical Engineering Journal</i> , 2021 , 425, 131822 | 14.7 | 3 |
| 37 | Challenges and Opportunities of Ru-Based Catalysts toward the Synthesis and Utilization of Ammonia. <i>ACS Catalysis</i> , 2022 , 12, 3938-3954 | 13.1 | 3 |
| 36 | Size-dependent activity of supported Ru catalysts for ammonia synthesis at mild conditions. <i>Journal of Catalysis</i> , 2022 , 408, 98-108 | 7.3 | 3 |
| 35 | Structural Evolution of Active Entities on Co ₃ O ₄ /CeO ₂ Catalyst during Water Gas Shift Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 17692-17698 | 3.9 | 2 |
| 34 | Titanium modified Ru/CeO ₂ catalysts for ammonia synthesis. <i>Chemical Engineering Science</i> , 2022 , 251, 117434 | 4.4 | 2 |
| 33 | Oxygen vacancy defects engineering on Cu-doped Co ₃ O ₄ for promoting effective COS hydrolysis. <i>Green Energy and Environment</i> , 2021 , | 5.7 | 2 |
| 32 | Tuning N ₂ activation pathway over Ru/Co sub-nanometer alloy for efficient ammonia synthesis. <i>Journal of Catalysis</i> , 2021 , 404, 440-440 | 7.3 | 2 |
| 31 | Highly Poison-Resistant Single-Atom Co-N Active Sites with Superior Operational Stability over 460h for H ₂ S Catalytic Oxidation. <i>Small</i> , 2021 , 17, e2104939 | 11 | 2 |
| 30 | Boosting Efficient Ammonia Synthesis over Atomically Dispersed Co-Based Catalyst via the Modulation of Geometric and Electronic Structures. <i>CCS Chemistry</i> , 1881-1892 | 7.2 | 2 |
| 29 | Three-dimensional ordered macroporous Ru-substituted BaZrO ₃ perovskites: active catalysts for ammonia synthesis under mild conditions. <i>Catalysis Science and Technology</i> , 2019 , 9, 6217-6221 | 5.5 | 2 |
| 28 | Exploring N-Containing Compound Catalyst for H ₂ S Selective Oxidation: Case Study of TaON and Ta ₃ N ₅ . <i>Catalysis Letters</i> , 2021 , 151, 1728-1737 | 2.8 | 2 |
| 27 | Review on catalytic roles of rare earth elements in ammonia synthesis: Development and perspective. <i>Journal of Rare Earths</i> , 2021 , 40, 1-1 | 3.7 | 2 |
| 26 | Site-oriented design of spinel Mg _x NiMn _{2-x} O ₄ -based cathode material of intermediate-temperature direct ammonia solid oxide fuel cell. <i>Journal of Power Sources</i> , 2021 , 503, 230020 | 8.9 | 2 |
| 25 | Engineering of Ce ³⁺ -O-Ni structures enriched with oxygen vacancies via Zr doping for effective generation of hydrogen from ammonia. <i>Chemical Engineering Science</i> , 2021 , 245, 116818 | 4.4 | 2 |
| 24 | Sulfur-resistant methane combustion invoked by surface property regulation on palladium-based catalysts. <i>Applied Surface Science</i> , 2022 , 587, 152835 | 6.7 | 2 |
| 23 | A New Catalyst Support Made of Bauxite: Preparation and Catalytic Properties. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014 , 228, 49-62 | 3.1 | 1 |
| 22 | Activity enhancement of ceria-supported Co-Mo bimetallic catalysts by tuning reducibility and metal enrichment. <i>Journal of Catalysis</i> , 2022 , 406, 231-240 | 7.3 | 1 |

| | | | |
|----|--|------|---|
| 21 | Studies of a Highly Active Cobalt Atomic Cluster Catalyst for Ammonia Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 1951-1960 | 8.3 | 1 |
| 20 | Integrating Dissociative and Associative Routes for Efficient Ammonia Synthesis over a TiCN-Promoted Ru-Based Catalyst. <i>ACS Catalysis</i> , 2651-2660 | 13.1 | 1 |
| 19 | Hydrotalcite-derived aluminum-doped cobalt oxides for catalytic benzene combustion: Effect of calcination atmosphere. <i>Molecular Catalysis</i> , 2022 , 520, 112160 | 3.3 | 1 |
| 18 | Highly-integrated and Cost-efficient Ammonia-fueled fuel cell system for efficient power generation: A comprehensive system optimization and Techno-Economic analysis. <i>Energy Conversion and Management</i> , 2022 , 251, 114917 | 10.6 | 1 |
| 17 | Optimized coupling of ammonia decomposition and electrochemical oxidation in a tubular direct ammonia solid oxide fuel cell for high-efficiency power generation. <i>Applied Energy</i> , 2021 , 118158 | 10.7 | 1 |
| 16 | Ru alloying with La or Y for ammonia synthesis via integrated dissociative and associative mechanism with superior operational stability. <i>Chemical Engineering Science</i> , 2021 , 117255 | 4.4 | 1 |
| 15 | One-pot production of diethyl maleate via catalytic conversion of raw lignocellulosic biomass. <i>Green Chemistry</i> , 2021 , 23, 10116-10122 | 10 | 1 |
| 14 | A Cationic Polymerization Strategy to Design Sulfonated MicroMesoporous Polymers as Efficient Adsorbents for Ammonia Capture and Separation. <i>Macromolecules</i> , 2021 , 54, 7010-7020 | 5.5 | 1 |
| 13 | Target-oriented confinement of Ru-Co nanoparticles inside N-doped carbon spheres via a benzoic acid guided process for high-efficient low-temperature ammonia synthesis. <i>Journal of Energy Chemistry</i> , 2021 , 57, 140-146 | 12 | 1 |
| 12 | Porous flake-like Al-rich MgAl ₂ O ₄ endowed with Mg vacancies for efficient oxidative desulfurization. <i>Applied Catalysis A: General</i> , 2021 , 623, 118238 | 5.1 | 1 |
| 11 | A solid thermal and fast synthesis of MgAl-hydrotalcite nanosheets and their applications in the catalytic elimination of carbonyl sulfide and hydrogen sulfide. <i>New Journal of Chemistry</i> , 2021 , 45, 3535-3545 | 3.6 | 1 |
| 10 | Solvent-free molten co-assembly of ordered mesoporous carbon for efficiently supported adsorption and separation of SO ₂ . <i>Journal of Materials Chemistry A</i> , | 13 | 1 |
| 9 | Enhanced catalytic performance of the carbon-supported Ru ammonia synthesis catalyst by an introduction of oxygen functional groups via gas-phase oxidation. <i>Journal of Catalysis</i> , 2022 , 409, 78-86 | 7.3 | 1 |
| 8 | Trialkylmethylammonium molybdate ionic liquids as novel oil-soluble precursors of dispersed metal catalysts for slurry-phase hydrocracking of heavy oils. <i>Chemical Engineering Science</i> , 2022 , 253, 117516 | 4.4 | 1 |
| 7 | Controlled preparation of NiCu alloy catalyst via hydrotalcite-like precursor and its enhanced catalytic performance for methane decomposition. <i>Fuel Processing Technology</i> , 2022 , 233, 107271 | 7.2 | 1 |
| 6 | Tuning defect nonequilibrium of brownmillerite Sr _{1+x} Y _{2-x} O _{4+δ} for rich-oxygen-vacancy direct ammonia solid oxide fuel cells cathode. <i>Journal of Power Sources</i> , 2022 , 524, 231078 | 8.9 | 0 |
| 5 | Dual-template approach to designing nitrogen functionalized, hierarchical porous carbons for efficiently selective capture and separation of SO ₂ . <i>Separation and Purification Technology</i> , 2022 , 284, 120272 | 8.3 | 0 |
| 4 | Sustainable synthesis of ordered mesoporous materials without additional solvents.. <i>Journal of Colloid and Interface Science</i> , 2022 , 619, 116-122 | 9.3 | 0 |

- 3 Enabling High Efficiency and Rapid Regeneration of β -FeOOH@Fe-EDTA for Slurry Desulfurization. *Industrial & Engineering Chemistry Research*, **2022**, 61, 249-258 3.9 ○
- 2 Electronic metal-support interaction enhanced ammonia decomposition efficiency of perovskite oxide supported ruthenium. *Chemical Engineering Science*, **2022**, 117719 4.4 ○
- 1 Direct ammonia solid oxide fuel cells based on spinel $A\text{Co}_2\text{O}_4$ (A=Zn, Fe, Ni) composite cathodes at intermediate temperature. *International Journal of Green Energy*, 1-10 3