

Dengsong Zhang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9230716/dengsong-zhang-publications-by-citations.pdf>

Version: 2024-04-27

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.

226
papers

14,646
citations

74
h-index

113
g-index

236
ext. papers

17,388
ext. citations

8.4
avg, IF

7.04
L-index

| # | Paper | IF | Citations |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 226 | Selective Catalytic Reduction of NO with NH ₃ by Using Novel Catalysts: State of the Art and Future Prospects. <i>Chemical Reviews</i> , 2019 , 119, 10916-10976 | 68.1 | 415 |
| 225 | Morphology Dependence of Catalytic Properties of Ni/CeO ₂ Nanostructures for Carbon Dioxide Reforming of Methane. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 10009-10016 | 3.8 | 393 |
| 224 | Rational Design of High-Performance DeNO _x Catalysts Based on Mn _x Co _{3-x} O ₄ Nanocages Derived from Metal-Organic Frameworks. <i>ACS Catalysis</i> , 2014 , 4, 1753-1763 | 13.1 | 354 |
| 223 | Shape-controlled synthesis and catalytic application of ceria nanomaterials. <i>Dalton Transactions</i> , 2012 , 41, 14455-75 | 4.3 | 314 |
| 222 | Design of graphene-coated hollow mesoporous carbon spheres as high performance electrodes for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4739-4750 | 13 | 282 |
| 221 | Enhanced capacitive deionization performance of graphene/carbon nanotube composites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14696 | | 276 |
| 220 | In situ supported MnO(x)-CeO(x) on carbon nanotubes for the low-temperature selective catalytic reduction of NO with NH ₃ . <i>Nanoscale</i> , 2013 , 5, 1127-36 | 7.7 | 250 |
| 219 | Synthesis of CeO ₂ nanorods via ultrasonication assisted by polyethylene glycol. <i>Inorganic Chemistry</i> , 2007 , 46, 2446-51 | 5.1 | 229 |
| 218 | Three-dimensional macroporous graphene architectures as high performance electrodes for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11778 | 13 | 223 |
| 217 | Mechanistic Aspects of deNO _x Processing over TiO ₂ Supported Co/Mn Oxide Catalysts: Structure-Activity Relationships and In Situ DRIFTS Analysis. <i>ACS Catalysis</i> , 2015 , 5, 6069-6077 | 13.1 | 221 |
| 216 | Enhanced capacitive deionization of graphene/mesoporous carbon composites. <i>Nanoscale</i> , 2012 , 4, 5440-6 | 7.7 | 208 |
| 215 | Three-dimensional graphene-based hierarchically porous carbon composites prepared by a dual-template strategy for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12334 | 13 | 207 |
| 214 | Template-Free Synthesis, Controlled Conversion, and CO Oxidation Properties of CeO ₂ Nanorods, Nanotubes, Nanowires, and Nanocubes. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2429-2436 | 2.3 | 203 |
| 213 | Low-temperature selective catalytic reduction of NO with NH ₃ over nanoflaky MnO _x on carbon nanotubes in situ prepared via a chemical bath deposition route. <i>Nanoscale</i> , 2013 , 5, 9199-207 | 7.7 | 198 |
| 212 | CTAB assisted hydrothermal synthesis, controlled conversion and CO oxidation properties of CeO ₂ nanoplates, nanotubes, and nanorods. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1298-1306 | 3.3 | 195 |
| 211 | Design of meso-TiO ₂ @MnO(x)-CeO(x)/CNTs with a core-shell structure as DeNO(x) catalysts: promotion of activity, stability and SO ₂ -tolerance. <i>Nanoscale</i> , 2013 , 5, 9821-9 | 7.7 | 191 |
| 210 | Graphene-based materials for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13907-13943 | 13.4 | 189 |

| | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| 209 | N, P, S co-doped hollow carbon polyhedra derived from MOF-based core-shell nanocomposites for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15245-15252 | 13 | 185 |
| 208 | Immobilizing Ni nanoparticles to mesoporous silica with size and location control via a polyol-assisted route for coking- and sintering-resistant dry reforming of methane. <i>Chemical Communications</i> , 2014 , 50, 7250-3 | 5.8 | 181 |
| 207 | Investigation of the Facet-Dependent Catalytic Performance of Fe ₂ O ₃ /CeO ₂ for the Selective Catalytic Reduction of NO with NH ₃ . <i>Journal of Physical Chemistry C</i> , 2016 , 120, 1523-1533 | 3.8 | 161 |
| 206 | In Situ DRIFTS Investigation of the Low-Temperature Reaction Mechanism over Mn-Doped Co ₃ O ₄ for the Selective Catalytic Reduction of NO _x with NH ₃ . <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22924-22933 | 3.8 | 158 |
| 205 | Porous Ni-Mn oxide nanosheets in situ formed on nickel foam as 3D hierarchical monolith de-NO(x) catalysts. <i>Nanoscale</i> , 2014 , 6, 7346-53 | 7.7 | 152 |
| 204 | High performance ordered mesoporous carbon/carbon nanotube composite electrodes for capacitive deionization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6603 | | 151 |
| 203 | Morphology-Dependent Properties of MnO _x /ZrO ₂ /CeO ₂ Nanostructures for the Selective Catalytic Reduction of NO with NH ₃ . <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10502-10511 | 3.8 | 150 |
| 202 | Grafting sulfonic and amine functional groups on 3D graphene for improved capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5303-5313 | 13 | 144 |
| 201 | Design of multi-shell Fe ₂ O ₃ @MnO(x)@CNTs for the selective catalytic reduction of NO with NH ₃ : improvement of catalytic activity and SO ₂ tolerance. <i>Nanoscale</i> , 2016 , 8, 3588-98 | 7.7 | 143 |
| 200 | Rational design and in situ fabrication of MnO ₂ @NiCo ₂ O ₄ nanowire arrays on Ni foam as high-performance monolith de-NO _x catalysts. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11543-11553 | 13 | 140 |
| 199 | Three-dimensional hierarchical porous carbon with a bimodal pore arrangement for capacitive deionization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23835 | | 140 |
| 198 | Improved NO Reduction in the Presence of SO by Using FeO-Promoted Halloysite-Supported CeO-WO Catalysts. <i>Environmental Science & Technology</i> , 2019 , 53, 938-945 | 10.3 | 136 |
| 197 | Nitrogen-doped porous carbon derived from a bimetallic metal-organic framework as highly efficient electrodes for flow-through deionization capacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10858-10868 | 13 | 135 |
| 196 | Highly dispersed CeO ₂ on carbon nanotubes for selective catalytic reduction of NO with NH ₃ . <i>Catalysis Science and Technology</i> , 2013 , 3, 803-811 | 5.5 | 133 |
| 195 | Graphene prepared via a novel pyridine-thermal strategy for capacitive deionization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23745 | | 132 |
| 194 | Comparative study of 3D ordered macroporous Ce _{0.75} Zr _{0.2} M _{0.05} O ₂ (M = Fe, Cu, Mn, Co) for selective catalytic reduction of NO with NH ₃ . <i>Catalysis Science and Technology</i> , 2014 , 4, 93-101 | 5.5 | 130 |
| 193 | Structure-Activity Relationships of NiO on CeO ₂ Nanorods for the Selective Catalytic Reduction of NO with NH ₃ : Experimental and DFT Studies. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9612-9620 | 3.8 | 121 |
| 192 | Silicon/Carbon Composite Anode Materials for Lithium-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2019 , 2, 149-198 | 29.3 | 121 |

| | | | |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| 191 | Design and synthesis of NiCe@m-SiO ₂ yolk-shell framework catalysts with improved coke- and sintering-resistance in dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 2447-2456 | 6.7 | 120 |
| 190 | FeO-CeO@AlO Nanoarrays on Al-Mesh as SO-Tolerant Monolith Catalysts for NO Reduction by NH ₃ . <i>Environmental Science & Technology</i> , 2019 , 53, 5946-5956 | 10.3 | 119 |
| 189 | Separation and recovery of heavy metal ions and salt ions from wastewater by 3D graphene-based asymmetric electrodes via capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14748-14757 | 13 | 118 |
| 188 | Promotional effects of zirconium doped CeVO ₄ for the low-temperature selective catalytic reduction of NO _x with NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2016 , 183, 269-281 | 21.8 | 113 |
| 187 | Carbon nanotube assisted synthesis of CeO ₂ nanotubes. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 654-660 | 3.5 | 112 |
| 186 | Graphene-like carbon nanosheets prepared by a Fe-catalyzed glucose-blowing method for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5934-5941 | 13 | 110 |
| 185 | Scale-Activity Relationship of MnO-FeO Nanocage Catalysts Derived from Prussian Blue Analogues for Low-Temperature NO Reduction: Experimental and DFT Studies. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2581-2593 | 9.5 | 109 |
| 184 | Cation and anion Co-doping synergy to improve structural stability of Li- and Mn-rich layered cathode materials for lithium-ion batteries. <i>Nano Energy</i> , 2019 , 57, 157-165 | 17.1 | 108 |
| 183 | Facet-Activity Relationship of TiO ₂ in Fe ₂ O ₃ /TiO ₂ Nanocatalysts for Selective Catalytic Reduction of NO with NH ₃ : In Situ DRIFTS and DFT Studies. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 4970-4979 | 3.8 | 106 |
| 182 | N,P-Codoped Meso-/Microporous Carbon Derived from Biomass Materials via a Dual-Activation Strategy as High-Performance Electrodes for Deionization Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5810-5819 | 8.3 | 106 |
| 181 | SO-Tolerant Selective Catalytic Reduction of NO over Meso-TiO@FeO@AlO Metal-Based Monolith Catalysts. <i>Environmental Science & Technology</i> , 2019 , 53, 6462-6473 | 10.3 | 106 |
| 180 | In Situ Expanding Pores of Dodecahedron-like Carbon Frameworks Derived from MOFs for Enhanced Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15068-15078 | 9.5 | 105 |
| 179 | Improved capacitive deionization by using 3D intercalated graphene sheet@sphere nanocomposite architectures. <i>Environmental Science: Nano</i> , 2018 , 5, 980-991 | 7.1 | 105 |
| 178 | High capacity and high rate capability of nitrogen-doped porous hollow carbon spheres for capacitive deionization. <i>Applied Surface Science</i> , 2016 , 369, 460-469 | 6.7 | 104 |
| 177 | Design of modular catalysts derived from NiMgAl-LDH@m-SiO ₂ with dual confinement effects for dry reforming of methane. <i>Chemical Communications</i> , 2013 , 49, 6770-2 | 5.8 | 100 |
| 176 | Capacitive deionization of saline water using sandwich-like nitrogen-doped graphene composites via a self-assembling strategy. <i>Environmental Science: Nano</i> , 2018 , 5, 2722-2730 | 7.1 | 96 |
| 175 | Enhanced catalytic performance of V ₂ O ₅ WO ₃ /Fe ₂ O ₃ /TiO ₂ microspheres for selective catalytic reduction of NO by NH ₃ . <i>Catalysis Science and Technology</i> , 2013 , 3, 191-199 | 5.5 | 95 |
| 174 | Combination of Experimental and Theoretical Investigations of MnO _x /Ce _{0.9} Zr _{0.1} O ₂ Nanorods for Selective Catalytic Reduction of NO with Ammonia. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9999-10006 | 3.8 | 95 |

| | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 173 | Comparative Electroadsorption Study of Mesoporous Carbon Electrodes with Various Pore Structures. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 17068-17076 | 3.8 | 95 |
| 172 | Capacitive Deionization of Saline Water by Using MoS-Graphene Hybrid Electrodes with High Volumetric Adsorption Capacity. <i>Environmental Science & Technology</i> , 2019 , 53, 12668-12676 | 10.3 | 94 |
| 171 | In Situ DRIFTS Investigation of Promotional Effects of Tungsten on MnOx-CeO2/meso-TiO2 Catalysts for NOx Reduction. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25243-25254 | 3.8 | 92 |
| 170 | N,P,S-Codoped Hierarchically Porous Carbon Spheres with Well-Balanced Gravimetric/Volumetric Capacitance for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5265-5272 | 8.3 | 92 |
| 169 | In situ synthesis of 3D flower-like NiMnFe mixed oxides as monolith catalysts for selective catalytic reduction of NO with NH3. <i>Chemical Communications</i> , 2012 , 48, 10645-7 | 5.8 | 91 |
| 168 | Coke- and sintering-resistant monolithic catalysts derived from in situ supported hydrotalcite-like films on Al wires for dry reforming of methane. <i>Nanoscale</i> , 2013 , 5, 2659-63 | 7.7 | 89 |
| 167 | Tuning the dimensions and structures of nitrogen-doped carbon nanomaterials derived from sacrificial g-C3N4/metal-organic frameworks for enhanced electrocatalytic oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5752-5761 | 13 | 88 |
| 166 | Preparation and modification of carbon nanotubes. <i>Materials Letters</i> , 2005 , 59, 4044-4047 | 3.3 | 87 |
| 165 | Ni nanoparticles immobilized Ce-modified mesoporous silica via a novel sublimation-deposition strategy for catalytic reforming of methane with carbon dioxide. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 9685-9695 | 6.7 | 86 |
| 164 | Defect-induced efficient dry reforming of methane over two-dimensional Ni/h-boron nitride nanosheet catalysts. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 51-60 | 21.8 | 86 |
| 163 | In situ creating interconnected pores across 3D graphene architectures and their application as high performance electrodes for flow-through deionization capacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4908-4919 | 13 | 84 |
| 162 | Creating 3D Hierarchical Carbon Architectures with Micro-, Meso-, and Macropores via a Simple Self-Blowing Strategy for a Flow-through Deionization Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18027-35 | 9.5 | 83 |
| 161 | Cu-doped CeO2 spheres: Synthesis, characterization, and catalytic activity. <i>Catalysis Communications</i> , 2012 , 26, 164-168 | 3.2 | 83 |
| 160 | Methane dry reforming over boron nitride interface-confined and LDHs-derived Ni catalysts. <i>Applied Catalysis B: Environmental</i> , 2019 , 252, 86-97 | 21.8 | 82 |
| 159 | A facile strategy for the fast construction of porous graphene frameworks and their enhanced electroadsorption performance. <i>Chemical Communications</i> , 2017 , 53, 7465-7468 | 5.8 | 81 |
| 158 | Three-dimensional micro/mesoporous carbon composites with carbon nanotube networks for capacitive deionization. <i>Applied Surface Science</i> , 2013 , 282, 965-973 | 6.7 | 81 |
| 157 | Hexagonal boron nitride supported mesoSiO-confined Ni catalysts for dry reforming of methane. <i>Chemical Communications</i> , 2017 , 53, 7549-7552 | 5.8 | 77 |
| 156 | MnOx/CeOx/CNTs pyridine-thermally prepared via a novel in situ deposition strategy for selective catalytic reduction of NO with NH3. <i>RSC Advances</i> , 2013 , 3, 8811 | 3.7 | 77 |

| | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 155 | Facile and template-free fabrication of mesoporous 3D nanosphere-like $\text{Mn}_x\text{Co}_{3-x}\text{O}_4$ as highly effective catalysts for low temperature SCR of NO_x with NH_3 . <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2952-2963 | 13 | 76 |
| 154 | Photocatalytic preparation of nanostructured $\text{MnO}_2\text{-(Co}_3\text{O}_4\text{)/TiO}_2$ hybrids: The formation mechanism and catalytic application in SCR de NO_x reaction. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 778-788 | 21.8 | 75 |
| 153 | NaCl adsorption in multi-walled carbon nanotubes. <i>Materials Letters</i> , 2005 , 59, 1989-1992 | 3.3 | 74 |
| 152 | Removal of ions from saline water using N, P co-doped 3D hierarchical carbon architectures via capacitive deionization. <i>Environmental Science: Nano</i> , 2018 , 5, 2337-2345 | 7.1 | 73 |
| 151 | A highly reactive catalyst for CO oxidation: CeO_2 nanotubes synthesized using carbon nanotubes as removable templates. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 193-200 | 5.3 | 73 |
| 150 | Nanodiamond-decorated ZnO catalysts with enhanced photocorrosion-resistance for photocatalytic degradation of gaseous toluene. <i>Applied Catalysis B: Environmental</i> , 2019 , 257, 117880 | 21.8 | 71 |
| 149 | Preparation and desalination performance of multiwall carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2006 , 97, 415-419 | 4.4 | 71 |
| 148 | A general strategy for the in situ decoration of porous Mn-Co bi-metal oxides on metal mesh/foam for high performance de-NO monolith catalysts. <i>Nanoscale</i> , 2017 , 9, 5648-5657 | 7.7 | 70 |
| 147 | Improved NO_x reduction in the presence of alkali metals by using hollandite MnTi oxide promoted Cu-SAPO-34 catalysts. <i>Environmental Science: Nano</i> , 2018 , 5, 1408-1419 | 7.1 | 70 |
| 146 | Insights into the stable layered structure of a Li-rich cathode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19738-19744 | 13 | 70 |
| 145 | Highly active $\text{Ce}_{1-x}\text{Cu}_x\text{O}_2$ nanocomposite catalysts for the low temperature oxidation of CO. <i>Applied Surface Science</i> , 2011 , 257, 7551-7559 | 6.7 | 70 |
| 144 | Effect of nanoparticles on the performance of thermally conductive epoxy adhesives. <i>Polymer Engineering and Science</i> , 2010 , 50, 1809-1819 | 2.3 | 66 |
| 143 | Creating Nitrogen-Doped Hollow Carbon as High Performance Electrodes for Flow-Through Deionization Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3329-3338 | 8.3 | 63 |
| 142 | Morphology-dependent performance of $\text{ZrTeVO}_4\text{/TiO}_2$ for selective catalytic reduction of NO with NH_3 . <i>Catalysis Science and Technology</i> , 2016 , 6, 5543-5553 | 5.5 | 60 |
| 141 | Highly dispersed $\text{V}_2\text{O}_5\text{/TiO}_2$ modified with transition metals (Cu, Fe, Mn, Co) as efficient catalysts for the selective reduction of NO with NH_3 . <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1886-1899 | 11.3 | 55 |
| 140 | Fe_2O_3 nanoparticles anchored in situ on carbon nanotubes via an ethanol-thermal strategy for the selective catalytic reduction of NO with NH_3 . <i>Catalysis Science and Technology</i> , 2015 , 5, 438-446 | 5.5 | 54 |
| 139 | High Salt Removal Capacity of Metal-Organic Gel Derived Porous Carbon for Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 11637-11644 | 8.3 | 54 |
| 138 | Promotional effects of B-terminated defective edges of Ni/boron nitride catalysts for coking- and sintering-resistant dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2020 , 267, 118692 | 21.8 | 53 |

| | | | |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 137 | Coke-resistant defect-confined Ni-based nanosheet-like catalysts derived from halloysites for CO reforming of methane. <i>Nanoscale</i> , 2018 , 10, 10528-10537 | 7.7 | 53 |
| 136 | Trace-Fe-Enhanced Capacitive Deionization of Saline Water by Boosting Electron Transfer of Electro-Adsorption Sites. <i>Environmental Science & Technology</i> , 2020 , 54, 8411-8419 | 10.3 | 52 |
| 135 | Poisoning-Resistant NO Reduction in the Presence of Alkaline and Heavy Metals over H-SAPO-34-Supported Ce-Promoted Cu-Based Catalysts. <i>Environmental Science & Technology</i> , 2020 , 54, 6396-6405 | 10.3 | 51 |
| 134 | NaCl adsorption in multi-walled carbon nanotube/active carbon combination electrode. <i>Chemical Engineering Science</i> , 2006 , 61, 428-433 | 4.4 | 51 |
| 133 | Confining Redox Electrolytes in Functionalized Porous Carbon with Improved Energy Density for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42494-42502 | 9.5 | 51 |
| 132 | Removal of NaCl from saltwater solutions using micro/mesoporous carbon sheets derived from watermelon peel via deionization capacitors. <i>RSC Advances</i> , 2017 , 7, 4297-4305 | 3.7 | 49 |
| 131 | Deep insight into the structure-activity relationship of Nb modified SnO ₂ /CeO ₂ catalysts for low-temperature selective catalytic reduction of NO by NH ₃ . <i>Catalysis Science and Technology</i> , 2017 , 7, 502-514 | 5.5 | 49 |
| 130 | Unraveling the Unexpected Offset Effects of Cd and SO Deactivation over CeO-WO/TiO Catalysts for NO Reduction. <i>Environmental Science & Technology</i> , 2020 , 54, 7697-7705 | 10.3 | 49 |
| 129 | Promotional effect of the TiO ₂ (001) facet in the selective catalytic reduction of NO with NH ₃ : in situ DRIFTS and DFT studies. <i>Catalysis Science and Technology</i> , 2016 , 6, 8516-8524 | 5.5 | 49 |
| 128 | Dual Promotional Effects of TiO-Decorated Acid-Treated MnO Octahedral Molecular Sieve Catalysts for Alkali-Resistant Reduction of NO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11507-11517 | 9.5 | 47 |
| 127 | In situ DRIFTS investigation of the reaction mechanism over MnO _x -MO _y /Ce _{0.75} Zr _{0.25} O ₂ (M = Fe, Co, Ni, Cu) for the selective catalytic reduction of NO _x with NH ₃ . <i>Applied Surface Science</i> , 2016 , 387, 921-928 | 6.7 | 47 |
| 126 | Design of orderly carbon coatings for SiO anodes promoted by TiO ₂ toward high performance lithium-ion battery. <i>Chemical Engineering Journal</i> , 2018 , 338, 488-495 | 14.7 | 46 |
| 125 | Synthesis and strong red photoluminescence of europium oxide nanotubes and nanowires using carbon nanotubes as templates. <i>Acta Materialia</i> , 2008 , 56, 955-967 | 8.4 | 46 |
| 124 | Creating graphene-like carbon layers on SiO anodes via a layer-by-layer strategy for lithium-ion battery. <i>Chemical Engineering Journal</i> , 2018 , 347, 273-279 | 14.7 | 44 |
| 123 | Facile synthesis, characterization and low-temperature catalytic performance of Au/CeO ₂ nanorods. <i>Materials Letters</i> , 2009 , 63, 2132-2135 | 3.3 | 44 |
| 122 | Boosting Toluene Combustion by Engineering Co-O Strength in Cobalt Oxide Catalysts. <i>Environmental Science & Technology</i> , 2020 , 54, 10342-10350 | 10.3 | 44 |
| 121 | Unraveling the effects of the coordination number of Mn over MnO ₂ catalysts for toluene oxidation. <i>Chemical Engineering Journal</i> , 2020 , 396, 125192 | 14.7 | 43 |
| 120 | Pyridine-thermal synthesis and high catalytic activity of CeO ₂ /CuO/CNT nanocomposites. <i>Applied Surface Science</i> , 2010 , 256, 6795-6800 | 6.7 | 43 |

| | | | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 119 | Influence of diameter of carbon nanotubes mounted in flow-through capacitors on removal of NaCl from salt water. <i>Journal of Materials Science</i> , 2007 , 42, 2471-2475 | 4.3 | 42 |
| 118 | Efficient removal of metal ions by capacitive deionization with straw waste derived graphitic porous carbon nanosheets. <i>Environmental Science: Nano</i> , 2020 , 7, 317-326 | 7.1 | 42 |
| 117 | Coralloid-like Nanostructured c-nSi/SiO@C Anodes for High Performance Lithium Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28464-28472 | 9.5 | 41 |
| 116 | A MnN ₄ moiety embedded graphene as a magnetic gas sensor for CO detection: A first principle study. <i>Applied Surface Science</i> , 2019 , 473, 820-827 | 6.7 | 41 |
| 115 | Promotional effects of Fe on manganese oxide octahedral molecular sieves for alkali-resistant catalytic reduction of NO _x : XAFS and in situ DRIFTS study. <i>Chemical Engineering Journal</i> , 2020 , 381, 122764 | 14.7 | 41 |
| 114 | Large-scale growth of hierarchical transition-metal vanadate nanosheets on metal meshes as monolith catalysts for De-NO(x) reaction. <i>Nanoscale</i> , 2015 , 7, 2743-9 | 7.7 | 40 |
| 113 | Capacitive deionization of saline water using graphene nanosphere decorated N-doped layered mesoporous carbon frameworks. <i>Environmental Science: Nano</i> , 2019 , 6, 3442-3453 | 7.1 | 40 |
| 112 | Capacitive Removal of Heavy Metal Ions from Wastewater an Electro-Adsorption and Electro-Reaction Coupling Process. <i>Environmental Science & Technology</i> , 2021 , 55, 3333-3340 | 10.3 | 40 |
| 111 | Enhanced capacitive deionization of saline water using N-doped rod-like porous carbon derived from dual-ligand metal-organic frameworks. <i>Environmental Science: Nano</i> , 2020 , 7, 926-937 | 7.1 | 39 |
| 110 | Ceria nanospindles: Template-free solvothermal synthesis and shape-dependent catalytic activity. <i>Applied Surface Science</i> , 2011 , 257, 10161-10167 | 6.7 | 38 |
| 109 | Rational design of 3D hierarchical foam-like Fe ₂ O ₃ @CuO _x monolith catalysts for selective catalytic reduction of NO with NH ₃ . <i>RSC Advances</i> , 2015 , 5, 11013-11022 | 3.7 | 37 |
| 108 | Uniform ceria nanospheres: Solvothermal synthesis, formation mechanism, size-control and catalytic activity. <i>Powder Technology</i> , 2011 , 207, 35-41 | 5.2 | 37 |
| 107 | Creating Sandwich-like Ti ₃ C ₂ /TiO ₂ /rGO as Anode Materials with High Energy and Power Density for Li-Ion Hybrid Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15394-15403 | 8.3 | 36 |
| 106 | Alkali-Resistant NO Reduction over SCR Catalysts via Boosting NH ₃ Adsorption Rates by In Situ Constructing the Sacrificed Sites. <i>Environmental Science & Technology</i> , 2020 , 54, 13314-13321 | 10.3 | 36 |
| 105 | Ultrasonic-assisted preparation of carbon nanotube/cerium oxide composites. <i>Carbon</i> , 2006 , 44, 2853-2854 | 8.5 | 35 |
| 104 | In situ preparation of Ni nanoparticles in cerium-modified silica aerogels for coking- and sintering-resistant dry reforming of methane. <i>New Journal of Chemistry</i> , 2017 , 41, 4869-4878 | 3.6 | 34 |
| 103 | Investigations on the Antimony Promotional Effect on CeO ₂ /WO ₃ /TiO ₂ for Selective Catalytic Reduction of NO _x with NH ₃ . <i>ChemCatChem</i> , 2016 , 8, 2267-2278 | 5.2 | 34 |
| 102 | Metal-porphyrin: a potential catalyst for direct decomposition of N ₂ O by theoretical reaction mechanism investigation. <i>Environmental Science & Technology</i> , 2014 , 48, 7101-10 | 10.3 | 33 |

| | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 101 | One-pot self-assembly of multifunctional mesoporous nanoprobe with magnetic nanoparticles and hydrophobic upconversion nanocrystals. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17615 | | 33 |
| 100 | Reflux synthesis, formation mechanism, and photoluminescence performance of monodisperse Y ₂ O ₃ :Eu ³⁺ nanospheres. <i>Materials Chemistry and Physics</i> , 2009 , 117, 234-243 | 4-4 | 33 |
| 99 | Alkali and Phosphorus Resistant Zeolite-like Catalysts for NO Reduction by NH ₃ . <i>Environmental Science & Technology</i> , 2020 , 54, 9132-9141 | 10.3 | 32 |
| 98 | Delocalization Effect Promoted the Indoor Air Purification via Directly Unlocking the Ring-Opening Pathway of Toluene. <i>Environmental Science & Technology</i> , 2020 , 54, 9693-9701 | 10.3 | 32 |
| 97 | Removal of NaCl from saltwater solution using carbon nanotubes/activated carbon composite electrode. <i>Materials Letters</i> , 2006 , 60, 360-363 | 3-3 | 32 |
| 96 | Self-Protected CeO-SnO@SO/TiO Catalysts with Extraordinary Resistance to Alkali and Heavy Metals for NO Reduction. <i>Environmental Science & Technology</i> , 2020 , 54, 12752-12760 | 10.3 | 32 |
| 95 | Carbon nanotube-assisted synthesis and high catalytic activity of CeO ₂ hollow nanobeads. <i>Materials Chemistry and Physics</i> , 2009 , 113, 527-530 | 4-4 | 30 |
| 94 | Influence of carbonization of hot-pressed carbon nanotube electrodes on removal of NaCl from saltwater solution. <i>Materials Chemistry and Physics</i> , 2006 , 96, 140-144 | 4-4 | 30 |
| 93 | Selective Capacitive Removal of Pb from Wastewater over Redox-Active Electrodes. <i>Environmental Science & Technology</i> , 2021 , 55, 730-737 | 10.3 | 30 |
| 92 | Promotional effects of rare earth elements (Sc, Y, Ce, and Pr) on NiMgAl catalysts for dry reforming of methane. <i>RSC Advances</i> , 2016 , 6, 112215-112225 | 3-7 | 28 |
| 91 | Novel transparent ternary nanocomposite films of trialkoxysilane-capped poly(methyl methacrylate)/zirconia/titania with incorporating networks. <i>Materials Chemistry and Physics</i> , 2008 , 110, 463-470 | 4-4 | 28 |
| 90 | SO-Tolerant NO Reduction by Marvelously Suppressing SO Adsorption over FeCeVO Catalysts. <i>Environmental Science & Technology</i> , 2020 , 54, 14066-14075 | 10.3 | 28 |
| 89 | Self-plied and twist-stable carbon nanotube yarn artificial muscles driven by organic solvent adsorption. <i>Nanoscale</i> , 2018 , 10, 8180-8186 | 7-7 | 27 |
| 88 | Hydrothermal growth and characterization of length tunable porous iron vanadate one-dimensional nanostructures. <i>CrystEngComm</i> , 2014 , 16, 5128-5133 | 3-3 | 27 |
| 87 | Ethylene glycol reflux synthesis of carbon nanotube/ceria core-shell nanowires. <i>Applied Surface Science</i> , 2009 , 255, 5789-5794 | 6-7 | 27 |
| 86 | Study of enzyme biosensor based on carbon nanotubes modified electrode for detection of pesticides residue. <i>Chinese Chemical Letters</i> , 2008 , 19, 592-594 | 8.1 | 27 |
| 85 | SO ₂ -tolerant NO _x reduction over ceria-based catalysts: Shielding effects of hollandite Mn-Ti oxides. <i>Chemical Engineering Journal</i> , 2020 , 397, 125535 | 14.7 | 27 |
| 84 | Sc promoted and aerogel confined Ni catalysts for coking-resistant dry reforming of methane. <i>RSC Advances</i> , 2017 , 7, 4735-4745 | 3-7 | 27 |

| | | | |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 83 | Large-Scale and Low-Cost Motivation of Nitrogen-Doped Commercial Activated Carbon for High-Energy-Density Supercapacitor. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4234-4243 | 6.1 | 26 |
| 82 | Volume expansion restriction effects of thick TiO ₂ /C hybrid coatings on micro-sized SiO _x anode materials. <i>Chemical Engineering Journal</i> , 2020 , 387, 124106 | 14.7 | 24 |
| 81 | Ion-selective asymmetric carbon electrodes for enhanced capacitive deionization.. <i>RSC Advances</i> , 2018 , 8, 2490-2497 | 3.7 | 24 |
| 80 | Facile synthesis of ceria rhombic microplates. <i>Journal of Materials Science</i> , 2008 , 43, 5647-5650 | 4.3 | 24 |
| 79 | Selective catalytic oxidation of NH ₃ over noble metal-based catalysts: state of the art and future prospects. <i>Catalysis Science and Technology</i> , 2020 , 10, 5792-5810 | 5.5 | 24 |
| 78 | Preparation and CO conversion activity of ceria nanotubes by carbon nanotubes templating method. <i>Journal of Rare Earths</i> , 2008 , 26, 153-157 | 3.7 | 23 |
| 77 | Template-free synthesis, characterization, growth mechanism and photoluminescence property of Eu(OH) ₃ and Eu ₂ O ₃ nanospindles. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 446-455 | 5.7 | 22 |
| 76 | Accelerating the decomposition of KMnO ₄ by photolysis and auto-catalysis: a green approach to synthesize a layered birnessite-type MnO ₂ assembled hierarchical nanostructure. <i>RSC Advances</i> , 2016 , 6, 14192-14198 | 3.7 | 21 |
| 75 | Mechanistic insight into the selective catalytic reduction of NO by NH ₃ over low-valent titanium-porphyrin: a DFT study. <i>Catalysis Science and Technology</i> , 2016 , 6, 3878-3885 | 5.5 | 21 |
| 74 | Controllable synthesis and highly efficient electrocatalytic oxidation performance of SnO ₂ /CNT core-shell structures. <i>Applied Surface Science</i> , 2009 , 255, 4907-4912 | 6.7 | 21 |
| 73 | Facile synthesis, characterization, formation mechanism and photoluminescence property of Eu ₂ O ₃ nanorods. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 483-488 | 5.7 | 21 |
| 72 | Rapid synthesis of self-supported three-dimensional bubble-like graphene frameworks as high-performance electrodes for supercapacitors. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1557-1567 | 5.8 | 20 |
| 71 | Coking-resistant dry reforming of methane over BN/ceria interface-confined Ni catalysts. <i>Catalysis Science and Technology</i> , 2020 , 10, 4237-4244 | 5.5 | 20 |
| 70 | Solvent-Tunable Microstructures of Aligned Carbon Nanotube Films. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600352 | 4.6 | 20 |
| 69 | Tailored Alkali Resistance of DeNO Catalysts by Improving Redox Properties and Activating Adsorbed Reactive Species. <i>IScience</i> , 2020 , 23, 101173 | 6.1 | 20 |
| 68 | The complete reaction mechanism of H ₂ S desulfurization on an anatase TiO ₂ (001) surface: a density functional theory investigation. <i>Catalysis Science and Technology</i> , 2017 , 7, 356-365 | 5.5 | 19 |
| 67 | Ionic liquid-assisted synthesis and photoluminescence property of mesoporous EuF ₃ nanospheres. <i>Microporous and Mesoporous Materials</i> , 2011 , 141, 110-118 | 5.3 | 19 |
| 66 | Solvothermal synthesis of necklace-like carbon nanotube/ceria composites. <i>Materials Letters</i> , 2008 , 62, 3821-3823 | 3.3 | 19 |

| | | | |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 65 | Precise Al ₂ O ₃ Coating on LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ by Atomic Layer Deposition Restrains the Shuttle Effect of Transition Metals in Li-Ion Capacitors. <i>Chemical Engineering Journal</i> , 2020 , 401, 126138 | 14.7 | 18 |
| 64 | Turning on electrocatalytic oxygen reduction by creating robust Fe-N species in hollow carbon frameworks via in situ growth of Fe doped ZIFs on g-CN. <i>Nanoscale</i> , 2020 , 12, 5601-5611 | 7.7 | 18 |
| 63 | Shape and size effects of ceria nanoparticles on the impact strength of ceria/epoxy resin composites. <i>Particuology</i> , 2011 , 9, 80-85 | 2.8 | 18 |
| 62 | Sandwich-Like C@SnS@TiO Anodes with High Power and Long Cycle for Li-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5857-5865 | 9.5 | 18 |
| 61 | Creating hierarchically macro-/mesoporous Sn/CeO ₂ for the selective catalytic reduction of NO with NH ₃ . <i>RSC Advances</i> , 2016 , 6, 78727-78736 | 3.7 | 18 |
| 60 | Light driven fabrication of highly dispersed Mn-Co/RGO and the synergistic effect in catalytic degradation of methylene blue. <i>Materials and Design</i> , 2018 , 140, 286-294 | 8.1 | 18 |
| 59 | Fast preparation of ultrafine monolayered transition-metal dichalcogenide quantum dots using electrochemical shock for explosive detection. <i>Chemical Communications</i> , 2016 , 52, 11442-11445 | 5.8 | 16 |
| 58 | Surfactant-assisted reflux synthesis, characterization and formation mechanism of carbon nanotube/europium hydroxide core/shell nanowires. <i>Applied Surface Science</i> , 2009 , 255, 8270-8275 | 6.7 | 16 |
| 57 | Morphology, toughness mechanism, and thermal properties of hyperbranched epoxy modified diglycidyl ether of bisphenol A (DGEBA) interpenetrating polymer networks. <i>Polymers for Advanced Technologies</i> , 2008 , 19, n/a-n/a | 3.2 | 16 |
| 56 | Efficient Capacitive Deionization of Saline Water by an Integrated Tin disulfide [email[protected]] Paper Electrode via an in Situ Growth Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1268-1275 | 8.3 | 16 |
| 55 | Selective Capacitive Removal of Heavy Metal Ions from Wastewater over Lewis Base Sites of S-Doped Fe-N-C Cathodes an Electro-Adsorption Process. <i>Environmental Science & Technology</i> , 2021 , 55, 7665-7673 | 10.3 | 16 |
| 54 | Fe-, N-Embedded Hierarchically Porous Carbon Architectures Derived from FeTe-Trapped Zeolitic Imidazolate Frameworks as Efficient Oxygen Reduction Electrocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19268-19276 | 8.3 | 15 |
| 53 | Rapid construction of 3D foam-like carbon nanoarchitectures via a simple photochemical strategy for capacitive deionization. <i>RSC Advances</i> , 2017 , 7, 39372-39382 | 3.7 | 15 |
| 52 | Rapid Synthesis of Sub-5 nm Sized Cubic Boron Nitride Nanocrystals with High-Piezoelectric Behavior via Electrochemical Shock. <i>Nano Letters</i> , 2017 , 17, 355-361 | 11.5 | 14 |
| 51 | Operando Fourier Transform Infrared Investigation of Cathode Electrolyte Interphase Dynamic Reversible Evolution on LiNiMnO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45108-45117 | 9.5 | 14 |
| 50 | Synergistic effect of nanobarite and carbon black fillers in natural rubber matrix. <i>Materials & Design</i> , 2012 , 35, 847-853 | | 14 |
| 49 | In situ decorated MOF-derived Mn/Fe oxides on Fe mesh as novel monolithic catalysts for NO _x reduction. <i>New Journal of Chemistry</i> , 2020 , 44, 2357-2366 | 3.6 | 14 |
| 48 | Promoting toluene oxidation by engineering octahedral units via oriented insertion of Cu ions in the tetrahedral sites of MnCo spinel oxide catalysts. <i>Chemical Communications</i> , 2020 , 56, 6539-6542 | 5.8 | 13 |

| | | | |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 47 | MnFe bi-metal oxides in situ created on metal wire mesh as monolith catalysts for selective catalytic reduction of NO with NH ₃ . <i>RSC Advances</i> , 2017 , 7, 40444-40451 | 3.7 | 12 |
| 46 | Improved NO Reduction over Phosphate-Modified FeO/TiO Catalysts Tailoring Reaction Paths by Creating Alkali-Poisoning Sites. <i>Environmental Science & Technology</i> , 2021 , 55, 9276-9284 | 10.3 | 12 |
| 45 | Alkali-Resistant Catalytic Reduction of NO by Using Ce-O-B Alkali-Capture Sites. <i>Environmental Science & Technology</i> , 2021 , 55, 11970-11978 | 10.3 | 12 |
| 44 | Confined Catalysts Application in Environmental Catalysis: Current Research Progress and Future Prospects. <i>ChemCatChem</i> , 2021 , 13, 2313-2336 | 5.2 | 10 |
| 43 | Boosting the Alkali/Heavy Metal Poisoning Resistance for NO Removal by Using Iron-Titanium Pillared Montmorillonite Catalysts. <i>Journal of Hazardous Materials</i> , 2020 , 399, 122947 | 12.8 | 9 |
| 42 | Palygorskite-cerium oxide filled rubber nanocomposites. <i>Applied Clay Science</i> , 2012 , 67-68, 44-49 | 5.2 | 9 |
| 41 | In situ imaging analysis of the inhibition effect of functional coating on the volume expansion of silicon anodes. <i>Chemical Engineering Journal</i> , 2021 , 417, 128122 | 14.7 | 9 |
| 40 | Capacitive Removal of Fluoride Ions via Creating Multiple Capture Sites in a Modulatory Heterostructure. <i>Environmental Science & Technology</i> , 2021 , 55, 11979-11986 | 10.3 | 9 |
| 39 | SO-Induced Alkali Resistance of FeVO/TiO Catalysts for NO Reduction.. <i>Environmental Science & Technology</i> , 2021 , | 10.3 | 9 |
| 38 | Porous nanopeapod Pd catalyst with excellent stability and efficiency. <i>Chemical Communications</i> , 2017 , 53, 740-742 | 5.8 | 8 |
| 37 | A NaNiMnSnO cathode with anti-structural deformation enhancing long lifespan and super power for a sodium ion battery. <i>Chemical Communications</i> , 2020 , 56, 8079-8082 | 5.8 | 8 |
| 36 | Coking-resistant dry reforming of methane over Ni/AlO catalysts by rationally steering metal-support interaction. <i>IScience</i> , 2021 , 24, 102747 | 6.1 | 8 |
| 35 | High-Performance Binary MoNi Catalysts for Efficient Carbon Removal during Carbon Dioxide Reforming of Methane. <i>ACS Catalysis</i> , 2021 , 11, 12087-12095 | 13.1 | 8 |
| 34 | In situ fabrication of porous MnCo _x O _y nanocubes on Ti mesh as high performance monolith de-NO _x catalysts. <i>RSC Advances</i> , 2017 , 7, 36319-36325 | 3.7 | 7 |
| 33 | Beneficial synergy of adsorption/intercalation/conversion mechanisms in Nb ₂ O ₅ @nitrogen-doped carbon frameworks for promoted removal of metal ions via hybrid capacitive deionization. <i>Environmental Science: Nano</i> , 2021 , 8, 122-130 | 7.1 | 7 |
| 32 | Interconnected surface-vacancy-rich PtFe nanowires for efficient oxygen reduction. <i>Journal of Materials Chemistry A</i> , | 13 | 7 |
| 31 | High-Performance Microsized Si Anodes for Lithium-Ion Batteries: Insights into the Polymer Configuration Conversion Mechanism.. <i>Advanced Materials</i> , 2022 , e2109658 | 24 | 7 |
| 30 | Photodegrading hexaazapentacene dispersant for surface-clean semiconducting single-walled carbon nanotubes. <i>Carbon</i> , 2016 , 105, 448-453 | 10.4 | 6 |

| | | | |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 29 | Cooperatively enhanced coking resistance via boron nitride coating over Ni-based catalysts for dry reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2021 , 120859 | 21.8 | 6 |
| 28 | Oxotitanium-porphyrin for selective catalytic reduction of NO by NH ₃ : a theoretical mechanism study. <i>New Journal of Chemistry</i> , 2018 , 42, 16806-16813 | 3.6 | 6 |
| 27 | Alkali-Resistant Catalytic Reduction of NO via Naturally Coupling Active and Poisoning Sites. <i>Environmental Science & Technology</i> , 2021 , | 10.3 | 6 |
| 26 | Synergistic Ag(I)/ Bu ₄ NBr-catalyzed fixation of CO ₂ to <i>n</i> -propyl carbonates via propargylic alcohols and monohydric alcohols. <i>Tetrahedron</i> , 2019 , 75, 2343-2349 | 2.4 | 5 |
| 25 | In situ growth of silicon carbide interface enhances the long life and high power of the mulberry-like Si-based anode for lithium-ion batteries. <i>Journal of Energy Storage</i> , 2020 , 32, 101856 | 7.8 | 5 |
| 24 | Enhanced water purification via redox interfaces created by an atomic layer deposition strategy. <i>Environmental Science: Nano</i> , 2021 , 8, 950-959 | 7.1 | 5 |
| 23 | Straightforward Design for Phenoxy-Imine Catalytic Activity in Ethylene Polymerization: Theoretical Prediction. <i>Catalysts</i> , 2018 , 8, 422 | 4 | 5 |
| 22 | Synergistic Catalytic Elimination of NO and Chlorinated Organics: Cooperation of Acid Sites.. <i>Environmental Science & Technology</i> , 2022 , | 10.3 | 5 |
| 21 | Unraveling the Promotion Effects of Dynamically Constructed CuOx-OH Interfacial Sites in the Selective Catalytic Oxidation of Ammonia. <i>ACS Catalysis</i> , 2022 , 12, 3955-3964 | 13.1 | 5 |
| 20 | Theoretical guidance and experimental confirmation on catalytic tendency of M-CeO ₂ (M = Zr, Mn, Ru or Cu) for NH ₃ -SCR of NO. <i>Molecular Simulation</i> , 2017 , 43, 1240-1246 | 2 | 4 |
| 19 | High Tap Density Li ₄ Ti ₅ O ₁₂ Anode Materials Synthesized for High Rate Performance Lithium Ion Batteries. <i>ChemistrySelect</i> , 2018 , 3, 348-353 | 1.8 | 4 |
| 18 | Buckypaper of polyvinyl chloride/ <i>p</i> -phenylenediamine modified graphite and PVC/graphite via resin infiltration technique. <i>Polymer Composites</i> , 2018 , 39, 4176-4187 | 3 | 4 |
| 17 | Incorporation of CO ₂ into carbonates through carboxylation/hydration reaction 2018 , 8, 803-838 | | 4 |
| 16 | Efficient NO Abatement over Alkali-Resistant Catalysts via Constructing Durable Dimeric VO Species.. <i>Environmental Science & Technology</i> , 2022 , | 10.3 | 4 |
| 15 | Efficient catalytic combustion of toluene at low temperature by tailoring surficial Pt and interfacial Pt-Al(OH) species. <i>IScience</i> , 2021 , 24, 102689 | 6.1 | 4 |
| 14 | Self-Defense Effects of Ti-Modified Attapulgit for Alkali-Resistant NO Catalytic Reduction.. <i>Environmental Science & Technology</i> , 2022 , | 10.3 | 4 |
| 13 | Alkali and Heavy Metal Copoisoning Resistant Catalytic Reduction of NO via Liberating Lewis Acid Sites.. <i>Environmental Science & Technology</i> , 2022 , | 10.3 | 4 |
| 12 | Integrated Structure of Tin-Based Anodes Enhancing High Power Density and Long Cycle Life for Lithium Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9337-9347 | 6.1 | 3 |

| | | | |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 11 | Unraveling SO-tolerant mechanism over Fe(SO)/TiO catalysts for NO reduction.. <i>Journal of Environmental Sciences</i> , 2022 , 111, 340-350 | 6.4 | 3 |
| 10 | Template/surfactant free and UV light irradiation assisted fabrication of Mn-Co oxides composite nanorings: Structure and synthesis mechanism. <i>Progress in Natural Science: Materials International</i> , 2019 , 29, 163-169 | 3.6 | 2 |
| 9 | Hydrothermal Synthesis of Lithium Titanate as Anode Materials for Lithium-Ion Batteries and its Performance at Different Charging and Discharging Mode. <i>Advanced Materials Research</i> , 2012 , 557-559, 1214-1217 | 0.5 | 2 |
| 8 | Direct visualization of local deformations in suspended few-layer graphene membranes by coupled in situ atomic force and scanning electron microscopy. <i>Applied Physics Letters</i> , 2021 , 118, 103104 | 3.4 | 2 |
| 7 | Promoting dry reforming of methane catalysed by atomically-dispersed Ni over ceria-upgraded boron nitride.. <i>Chemistry - an Asian Journal</i> , 2022 , | 4.5 | 2 |
| 6 | NO Reduction over Smart Catalysts with Self-Created Targeted Antipoisoning Sites.. <i>Environmental Science & Technology</i> , 2022 , | 10.3 | 2 |
| 5 | Investigating the role of dissolved inorganic and organic carbon in fluoride removal by membrane capacitive deionization. <i>Desalination</i> , 2022 , 528, 115618 | 10.3 | 1 |
| 4 | Tuning Ti ^{IV} -V ^{IV} Pt ^{IV} interfaces over Pt/TiO ₂ catalysts for efficient photocatalytic oxidation of toluene. <i>Chemical Engineering Journal</i> , 2022 , 431, 134209 | 14.7 | 1 |
| 3 | Low-temperature NO _x reduction over hydrothermally stable SCR catalysts by engineering low-coordinated Mn active sites. <i>Chemical Engineering Journal</i> , 2022 , 442, 136182 | 14.7 | 1 |
| 2 | Sintering- and coking-resistant nickel catalysts embedded in boron nitride supported nickel aluminate spinels for dry reforming of methane. <i>Applied Catalysis A: General</i> , 2022 , 118706 | 5.1 | 0 |
| 1 | Chemical treatment of carbon nanotubes as electrodes in electrochemical double-layer capacitors. <i>Journal of Shanghai University</i> , 2005 , 9, 557-560 | | |