

Dianqing Li

List of Publications by Year in descending order

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175
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Semi-quantitative design of synergetic surficial/interfacial sites for the semi-continuous oxidation of glycerol. <i>Fundamental Research</i> , 2022, 2, 412-421. | 3.3 | 4 |
| 2 | rGO decorated ZnO/CdO heterojunction as a photoanode for photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2377-2386. | 9.4 | 15 |
| 3 | Control of Local Electronic Structure of Pd Single Atom Catalyst by Adsorbate Induction. <i>Small</i> , 2022, 18, e2103852. | 10.0 | 16 |
| 4 | rGO functionalized γ -Fe ₂ O ₃ /Co ₃ O ₄ heterojunction for NO ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131194. | 7.8 | 30 |
| 5 | rGO decorated semiconductor heterojunction of BiVO ₄ /NiO to enhance PEC water splitting efficiency. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 4375-4385. | 7.1 | 26 |
| 6 | Porous ZnCl ₂ -Activated Carbon from Shaddock Peel: Methylene Blue Adsorption Behavior. <i>Materials</i> , 2022, 15, 895. | 2.9 | 31 |
| 7 | An integration system derived from LDHs for CO ₂ direct capture and photocatalytic coupling reaction. <i>Chem Catalysis</i> , 2022, 2, 531-549. | 6.1 | 18 |
| 8 | Highly Selective and Stable Isolated Non-Noble Metal Atom Catalysts for Selective Hydrogenation of Acetylene. <i>ACS Catalysis</i> , 2022, 12, 607-615. | 11.2 | 36 |
| 9 | ZnO/BiFeO ₃ heterojunction interface modulation and rGO modification for detection of triethylamine. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8015-8023. | 5.5 | 3 |
| 10 | The structural decoration of Ru catalysts by boron for enhanced propane dehydrogenation. <i>Fundamental Research</i> , 2022, , . | 3.3 | 2 |
| 11 | Rational regulation of spatially adjacent Al ₄ c and Al ₆ c sites assisted Ru catalysts for low-NH ₃ furfural tandem reductive amination. <i>Chemical Engineering Science</i> , 2022, 258, 117777. | 3.8 | 4 |
| 12 | Opening up a Radical Cross-Coupling Etherification Path by a Defect-Rich Cu/ZrO ₂ Catalyst for a High-Value Transformation of HMF. <i>ACS Catalysis</i> , 2022, 12, 7357-7367. | 11.2 | 7 |
| 13 | Light-Induced Structural Dynamic Evolution of Pt Single Atoms for Highly Efficient Photocatalytic CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26752-26765. | 8.0 | 10 |
| 14 | Extension of inducing effect of support coordination on Ni-based ordered alloys catalyst for selective hydrogenation. <i>Chemical Engineering Science</i> , 2022, 260, 117852. | 3.8 | 1 |
| 15 | Electron-Deficient Pd clusters induced by spontaneous reduction of support defect for selective phenol hydrogenation. <i>Chemical Engineering Science</i> , 2022, 260, 117867. | 3.8 | 2 |
| 16 | Reduced graphene oxide decorated SnO ₂ /BiVO ₄ photoanode for photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2021, 855, 156780. | 5.5 | 31 |
| 17 | Pine dendritic bismuth vanadate loaded on reduced graphene oxide for detection of low concentration triethylamine. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 183-191. | 9.4 | 20 |
| 18 | Fabrication of Pd@Au Clusters by In Situ Spontaneous Reduction of Reductive Layered Double Hydroxides. <i>Catalysis Letters</i> , 2021, 151, 2355-2365. | 2.6 | 2 |

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|----|--|------|-----------|
| 19 | Coordinately unsaturated O _{2c} â€“Ti _{5c} â€“O _{2c} sites promote the reactivity of Pt/TiO ₂ catalysts in the solvent-free oxidation of <i>n</i> -octanol. <i>Catalysis Science and Technology</i> , 2021, 11, 4898-4910. | 4.1 | 6 |
| 20 | Recent Advances in Constructing Interfacial Active Catalysts Based on Layered Double Hydroxides and Their Catalytic Mechanisms. <i>Transactions of Tianjin University</i> , 2021, 27, 24-41. | 6.4 | 14 |
| 21 | Insights into the Role of Dual-Interfacial Sites in Cu/ZrO ₂ Catalysts in 5-HMF Hydrogenolysis with Isopropanol. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22292-22303. | 8.0 | 20 |
| 22 | Insight into the effect of support crystal form on semi-continuous oxidation of glycerol. <i>Journal of Porous Materials</i> , 2021, 28, 1371-1385. | 2.6 | 5 |
| 23 | Array Modified Molded Alumina Supported PdAg Catalyst for Selective Acetylene Hydrogenation: Intrinsic Kinetics Enhancement and Thermal Effect Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8362-8374. | 3.7 | 9 |
| 24 | Construction of a Unique Structure of Ru Sites in the RuP Structure for Propane Dehydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33045-33055. | 8.0 | 15 |
| 25 | Metal Phosphides and Sulfides in Heterogeneous Catalysis: Electronic and Geometric Effects. <i>ACS Catalysis</i> , 2021, 11, 9102-9127. | 11.2 | 36 |
| 26 | Reaction pathway investigation using in situ Fourier transform infrared technique over Pt/CuO and Pt/TiO ₂ for selective glycerol oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120061. | 20.2 | 25 |
| 27 | Interfacial Bifunctional Effect Promoted Non-Noble Cu/Fe _y /MgO _x Catalysts for Selective Hydrogenation of Acetylene. <i>ACS Catalysis</i> , 2021, 11, 11117-11128. | 11.2 | 24 |
| 28 | Layered double hydroxides as thermal stabilizers for Poly(vinyl chloride): A review. <i>Applied Clay Science</i> , 2021, 211, 106198. | 5.2 | 26 |
| 29 | Identification and Insight into the Role of Ultrathin LDHâ€“Induced Dualâ€“Interface Sites for Selective Cinnamaldehyde Hydrogenation. <i>ChemCatChem</i> , 2021, 13, 4937-4947. | 3.7 | 5 |
| 30 | Size-dependent Effect of MgAl-Layered Double Hydroxides Derived from Mg(OH) ₂ on Thermal Stability of Poly(vinyl chloride). <i>Materials Today Communications</i> , 2021, , 102851. | 1.9 | 5 |
| 31 | WO ₃ -ZnFe ₂ O ₄ heterojunction and rGO decoration synergistically improve the sensing performance of triethylamine. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130619. | 7.8 | 29 |
| 32 | In situ topologically induced PtZn alloy @ ZnTiO _x and the synergistic effect on glycerol oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120634. | 20.2 | 15 |
| 33 | Batch and fixed-bed adsorption behavior of porous boehmite with high percentage of exposed (020) facets and surface area towards Congo red. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 735-745. | 6.0 | 4 |
| 34 | Pd Nanoparticles Loaded on CoAlCe Layered Double Oxide Nanosheets for Phenol Hydrogenation. <i>ACS Applied Nano Materials</i> , 2021, 4, 11820-11829. | 5.0 | 13 |
| 35 | Improvement of Selectivity in Acetylene Hydrogenation with Comparable Activity over Ordered PdCu Catalysts Induced by Post-treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 706-716. | 8.0 | 15 |
| 36 | A novel composite of Î±-MoO ₃ /BiVO ₄ for triethylamine selective detection. <i>New Journal of Chemistry</i> , 2020, 44, 2402-2407. | 2.8 | 12 |

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|----|---|------|-----------|
| 37 | Interfacial Structure-Determined Reaction Pathway and Selectivity for 5-(Hydroxymethyl)furfural Hydrogenation over Cu-Based Catalysts. <i>ACS Catalysis</i> , 2020, 10, 1353-1365. | 11.2 | 118 |
| 38 | A novel rGO-decorated ZnO/BiVO ₄ heterojunction for the enhancement of NO ₂ sensing properties. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1026-1033. | 6.0 | 21 |
| 39 | rGO modified nanoplate-assembled ZnO/CdO junction for detection of NO ₂ . <i>Journal of Hazardous Materials</i> , 2020, 394, 121832. | 12.4 | 51 |
| 40 | Recent Progress on Rational Design of Bimetallic Pd Based Catalysts and Their Advanced Catalysis. <i>ACS Catalysis</i> , 2020, 10, 13560-13583. | 11.2 | 124 |
| 41 | Preparation of AuPd/ZnO@CuO for the directional oxidation of glycerol to DHA. <i>Catalysis Science and Technology</i> , 2020, 10, 6223-6234. | 4.1 | 10 |
| 42 | Composition Tuning of Ru-Based Phosphide for Enhanced Propane Selective Dehydrogenation. <i>ACS Catalysis</i> , 2020, 10, 10243-10252. | 11.2 | 33 |
| 43 | In Situ Self-Supporting Cobalt Embedded in Nitrogen-Doped Porous Carbon as Efficient Oxygen Reduction Electrocatalysts. <i>ChemElectroChem</i> , 2020, 7, 4024-4030. | 3.4 | 7 |
| 44 | Insight into the Effect of Dual Active Cu ⁰ /Cu ⁺ Sites in a Cu/ZnO-Al ₂ O ₃ Catalyst on 5-Hydroxymethylfurfural Hydrodeoxygenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15288-15298. | 6.7 | 55 |
| 45 | Adsorbate-Induced Structural Evolution of Pd Catalyst for Selective Hydrogenation of Acetylene. <i>ACS Catalysis</i> , 2020, 10, 15048-15059. | 11.2 | 50 |
| 46 | Novel p-n heterojunction of BiVO ₄ /Cu ₂ O decorated with rGO for low concentration of NO ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128284. | 7.8 | 38 |
| 47 | Atmosphere induced amorphous and permeable carbon layer encapsulating PtGa catalyst for selective cinnamaldehyde hydrogenation. <i>Journal of Catalysis</i> , 2020, 389, 229-240. | 6.2 | 28 |
| 48 | Synergetic light stabilizing effects of reducing agent and UV absorber co-intercalated layered double hydroxides for polypropylene. <i>Applied Clay Science</i> , 2020, 194, 105700. | 5.2 | 10 |
| 49 | Vacancy enriched ultrathin TiMgAl-layered double hydroxide/graphene oxides composites as highly efficient visible-light catalysts for CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118878. | 20.2 | 53 |
| 50 | An aqueous miscible organic (AMO) process for layered double hydroxides (LDHs) for the enhanced properties of polypropylene/LDH composites. <i>New Journal of Chemistry</i> , 2020, 44, 10119-10126. | 2.8 | 8 |
| 51 | Ultra-sensitive ethanol gas sensors based on nanosheet-assembled hierarchical ZnO-In ₂ O ₃ heterostructures. <i>Journal of Hazardous Materials</i> , 2020, 391, 122191. | 12.4 | 162 |
| 52 | Novel Strategy to Prepare Mesoporous Sn-Doped Co ₃ O ₄ Whiskers with High Sensitivity to Toluene. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4472-4482. | 3.7 | 28 |
| 53 | Triadic Layered Double Hydroxide Modified Semiconductor Heterojunction for PEC Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4076-4084. | 6.7 | 24 |
| 54 | Comparison of Pd and Pd ₄ S based catalysts for partial hydrogenation of external and internal butynes. <i>Journal of Catalysis</i> , 2020, 383, 51-59. | 6.2 | 17 |

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|----|---|-----|-----------|
| 55 | Synthesis of novel BiVO ₄ /Cu ₂ O heterojunctions for improving BiVO ₄ towards NO ₂ sensing properties. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 37-44. | 9.4 | 29 |
| 56 | Support morphology effect on the selective oxidation of glycerol over AuPt/CeO ₂ catalysts. <i>Journal of Catalysis</i> , 2020, 385, 146-159. | 6.2 | 45 |
| 57 | Synthesis of supported Pd nanocluster catalyst by spontaneous reduction on layered double hydroxide. <i>Journal of Catalysis</i> , 2020, 385, 313-323. | 6.2 | 17 |
| 58 | An $\text{Fe}_{2}\text{O}_{3}/\text{NiO}$ hierarchical heterojunction for the sensitive detection of triethylamine. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1532-1539. | 6.0 | 26 |
| 59 | Design, fabrication and anti-aging behavior of a multifunctional inorganic-organic hybrid stabilizer derived from co-intercalated layered double hydroxides for polypropylene. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2539-2549. | 6.0 | 9 |
| 60 | The effect of oxygen vacancies in ZnO at an Au/ZnO interface on its catalytic selective oxidation of glycerol. <i>Journal of Catalysis</i> , 2019, 377, 271-282. | 6.2 | 64 |
| 61 | rGO decorated W doped BiVO ₄ novel material for sensing detection of trimethylamine. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126749. | 7.8 | 41 |
| 62 | HALS intercalated layered double hydroxides as an efficient light stabilizer for polypropylene. <i>Applied Clay Science</i> , 2019, 180, 105196. | 5.2 | 8 |
| 63 | Recent Progress on Adsorption Materials for Phosphate Removal. <i>Recent Patents on Nanotechnology</i> , 2019, 13, 3-16. | 1.3 | 39 |
| 64 | Nanoscale surface engineering of PdCo/Al ₂ O ₃ catalyst via segregation for efficient purification of ethene feedstock. <i>Chemical Engineering Science</i> , 2019, 210, 115216. | 3.8 | 16 |
| 65 | An integrating photoanode consisting of BiVO ₄ , rGO and LDH for photoelectrochemical water splitting. <i>Dalton Transactions</i> , 2019, 48, 16091-16098. | 3.3 | 37 |
| 66 | Photoanode of LDH catalyst decorated semiconductor heterojunction of BiVO ₄ /CdS to enhance PEC water splitting efficiency. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24642-24652. | 7.1 | 46 |
| 67 | Shape/Crystal Facet of Ceria Induced Well-Dispersed and Stable Au Nanoparticles for the Selective Hydrogenation of Phenylacetylene. <i>Catalysis Letters</i> , 2019, 149, 361-372. | 2.6 | 7 |
| 68 | Nitrogen-Doped Ordered Mesoporous Carbons Supported Co ₃ O ₄ Composite as a Bifunctional Oxygen Electrode Catalyst. <i>Surfaces</i> , 2019, 2, 229-240. | 2.3 | 10 |
| 69 | Ethylene glycol-assisted fabrication and superb adsorption capacity of hierarchical porous flower-like magnesium oxide microspheres for phosphate. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1952-1961. | 6.0 | 37 |
| 70 | Facile Fabrication of Mesoporous Hierarchical Co-Doped ZnO for Highly Sensitive Ethanol Detection. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8061-8071. | 3.7 | 29 |
| 71 | Advances in mineral processing technologies related to iron, magnesium, and lithium. <i>Reviews in Chemical Engineering</i> , 2019, 36, 107-146. | 4.4 | 8 |
| 72 | Pd/NiO/Al Array Catalyst for 2-Ethylanthraquinone Hydrogenation: Synergistic Effect Between Pd and NiO/Al Support. <i>Catalysis Letters</i> , 2019, 149, 1286-1296. | 2.6 | 15 |

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|----|---|------|-----------|
| 73 | Support morphology-dependent alloying behaviour and interfacial effects of bimetallic Ni@Cu/CeO ₂ catalysts. <i>Chemical Science</i> , 2019, 10, 3556-3566. | 7.4 | 34 |
| 74 | UV absorber co-intercalated layered double hydroxides as efficient hybrid UV-shielding materials for polypropylene. <i>Dalton Transactions</i> , 2019, 48, 2750-2759. | 3.3 | 19 |
| 75 | Highly efficient CuCr-MMO catalyst for a base-free styrene epoxidation with H ₂ O ₂ as the oxidant: synergistic effect between Cu and Cr. <i>Dalton Transactions</i> , 2019, 48, 16402-16411. | 3.3 | 19 |
| 76 | Pd/MgAl-LDH nanocatalyst with vacancy-rich sandwich structure: Insight into interfacial effect for selective hydrogenation. <i>Journal of Catalysis</i> , 2019, 370, 107-117. | 6.2 | 62 |
| 77 | Insight into the Role of Unsaturated Coordination O ₂ -Ti ₅ -O ₂ Sites on Selective Glycerol Oxidation over AuPt/TiO ₂ Catalysts. <i>ACS Catalysis</i> , 2019, 9, 188-199. | 11.2 | 45 |
| 78 | Facile synthesis of Pd-doped ZnSnO ₃ hierarchical microspheres for enhancing sensing properties of formaldehyde. <i>Journal of Materials Science</i> , 2019, 54, 2025-2036. | 3.7 | 17 |
| 79 | Identification of the Au/ZnO interface as the specific active site for the selective oxidation of the secondary alcohol group in glycerol. <i>Journal of Catalysis</i> , 2019, 369, 222-232. | 6.2 | 65 |
| 80 | Ultrathin and Vacancy-Rich CoAl-Layered Double Hydroxide/Graphite Oxide Catalysts: Promotional Effect of Cobalt Vacancies and Oxygen Vacancies in Alcohol Oxidation. <i>ACS Catalysis</i> , 2018, 8, 3104-3115. | 11.2 | 149 |
| 81 | Synthesis of Efficient Ce Modified CuO/CoAl-HT Catalysts for Styrene Epoxidation. <i>Catalysis Letters</i> , 2018, 148, 1589-1596. | 2.6 | 3 |
| 82 | On the construction of hollow nanofibers of ZnO-SnO ₂ heterojunctions to enhance the NO ₂ sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 692-702. | 7.8 | 96 |
| 83 | Layered double hydroxide-derived Ni-Cu nanoalloy catalysts for semi-hydrogenation of alkynes: Improvement of selectivity and anti-coking ability via alloying of Ni and Cu. <i>Journal of Catalysis</i> , 2018, 359, 251-260. | 6.2 | 111 |
| 84 | Micrometer-sized dihydrogenphosphate-intercalated layered double hydroxides: synthesis, selective infrared absorption properties, and applications as agricultural films. <i>Dalton Transactions</i> , 2018, 47, 3144-3154. | 3.3 | 12 |
| 85 | Design and Synthesis of Cobalt-Based Electrocatalysts for Oxygen Reduction Reaction. <i>Chemical Record</i> , 2018, 18, 840-848. | 5.8 | 11 |
| 86 | Novel Fe ₂ O ₃ /BiVO ₄ heterojunctions for enhancing NO ₂ sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 136-143. | 7.8 | 49 |
| 87 | Improved Electrocatalytic Performance of Tailored Metal-Free Nitrogen-Doped Ordered Mesoporous Carbons for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 1899-1904. | 3.4 | 15 |
| 88 | NiO hierarchical hollow microspheres doped Fe to enhance triethylamine sensing properties. <i>Materials Letters</i> , 2018, 210, 305-308. | 2.6 | 17 |
| 89 | Carbon fiber paper@MgO films: in situ fabrication and high-performance removal capacity for phosphate anions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34788-34792. | 5.3 | 15 |
| 90 | Co-intercalated layered double hydroxides as thermal and photo-oxidation stabilizers for polypropylene. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2980-2988. | 2.8 | 3 |

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|-----|---|------|-----------|
| 91 | Low molecular weight hindered amine light stabilizers (HALS) intercalated MgAl-Layered double hydroxides: Preparation and anti-aging performance in polypropylene nanocomposites. <i>Polymer Degradation and Stability</i> , 2018, 154, 55-61. | 5.8 | 28 |
| 92 | Palladium phosphide nanoparticles as highly selective catalysts for the selective hydrogenation of acetylene. <i>Journal of Catalysis</i> , 2018, 364, 406-414. | 6.2 | 80 |
| 93 | Cu ₂ O and rGO Hybridizing for Enhancement of Low-Concentration NO ₂ Sensing at Room Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10086-10094. | 3.7 | 33 |
| 94 | Fabrication and Adsorption Behavior of Magnesium Silicate Hydrate Nanoparticles towards Methylene Blue. <i>Nanomaterials</i> , 2018, 8, 271. | 4.1 | 23 |
| 95 | Surfactant-Assisted Fabrication of Cubic Cobalt Oxide Hybrid Hollow Spheres as Catalysts for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 2192-2198. | 3.4 | 8 |
| 96 | Novel Carbon Paper@Magnesium Silicate Composite Porous Films: Design, Fabrication, and Adsorption Behavior for Heavy Metal Ions in Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22776-22785. | 8.0 | 43 |
| 97 | Evolution of palladium sulfide phases during thermal treatments and consequences for acetylene hydrogenation. <i>Journal of Catalysis</i> , 2018, 364, 204-215. | 6.2 | 58 |
| 98 | Superb removal capacity of hierarchically porous magnesium oxide for phosphate and methyl orange. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24907-24916. | 5.3 | 26 |
| 99 | Surface functionalization of Co ₃ O ₄ hollow spheres with ZnO nanoparticles for modulating sensing properties of formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 359-368. | 7.8 | 82 |
| 100 | Doping Metal Elements of WO ₃ for Enhancement of NO ₂ -Sensing Performance at Room Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2616-2623. | 3.7 | 53 |
| 101 | Antioxidant intercalated Zn-containing layered double hydroxides: preparation, performance and migration properties. <i>New Journal of Chemistry</i> , 2017, 41, 2364-2371. | 2.8 | 15 |
| 102 | Template-free Synthesis of Large-Pore-Size Porous Magnesium Silicate Hierarchical Nanostructures for High-Efficiency Removal of Heavy Metal Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2774-2780. | 6.7 | 51 |
| 103 | Fabrication of supported Pd-Ir/Al ₂ O ₃ bimetallic catalysts for 2-ethylanthraquinone hydrogenation. <i>AIChE Journal</i> , 2017, 63, 3955-3965. | 3.6 | 28 |
| 104 | Facile synthesis of mesoporous hierarchical Co ₃ O ₄ @TiO ₂ heterojunctions with greatly enhanced gas sensing performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10387-10397. | 10.3 | 116 |
| 105 | Facile Color Tuning, Characterization, and Application of Acid Green 25 and Acid Yellow 25 Co-intercalated Layered Double Hydroxides. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5495-5504. | 3.7 | 13 |
| 106 | Fabrication and Bifunctional Electrocatalytic Performance of Ternary CoNiMn Layered Double Hydroxides/Polypyrrole/Reduced Graphene Oxide Composite for Oxygen Reduction and Evolution Reactions. <i>Electrochimica Acta</i> , 2017, 245, 59-68. | 5.2 | 63 |
| 107 | Facile preparation of SnO ₂ /NiO composites and enhancement of sensing performance to NO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2017, 249, 22-29. | 7.8 | 59 |
| 108 | Highly efficient PdAg catalyst using a reducible Mg-Ti mixed oxide for selective hydrogenation of acetylene: Role of acidic and basic sites. <i>Journal of Catalysis</i> , 2017, 348, 135-145. | 6.2 | 81 |

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|-----|---|-----|-----------|
| 109 | Electrocatalytic Cobalt Nanoparticles Interacting with Nitrogen-Doped Carbon Nanotube in Situ Generated from a Metal-Organic Framework for the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2541-2549. | 8.0 | 137 |
| 110 | Synthesis of a highly dispersed CuO catalyst on CoAl-HT for the epoxidation of styrene. <i>Dalton Transactions</i> , 2017, 46, 13463-13471. | 3.3 | 35 |
| 111 | Hexamethylene tetramine-assisted hydrothermal synthesis of porous magnesium oxide for high-efficiency removal of phosphate in aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4649-4655. | 6.7 | 39 |
| 112 | The role of various oxygen species in Mn-based layered double hydroxide catalysts in selective alcohol oxidation. <i>Catalysis Science and Technology</i> , 2017, 7, 4361-4365. | 4.1 | 14 |
| 113 | Advanced bifunctional electrocatalyst generated through cobalt phthalocyanine tetrasulfonate intercalated Ni ₂ Fe-layered double hydroxides for a laminar flow unitized regenerative micro-cell. <i>Journal of Power Sources</i> , 2017, 361, 21-30. | 7.8 | 34 |
| 114 | Fabrication of Supported Pd-Ir Mesocrystal Catalyst for Hydrogenation of 2-Ethylantraquinone. <i>Catalysis Letters</i> , 2017, 147, 1802-1810. | 2.6 | 8 |
| 115 | Preparation of conducting films based on MoO_3/PANI hybrids and their sensing properties to triethylamine at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 131-138. | 7.8 | 78 |
| 116 | Effects of zinc and manganese ions in aqueous electrolytes on structure and electrochemical performance of Na _{0.44} MnO ₂ cathode material. <i>RSC Advances</i> , 2016, 6, 40793-40798. | 3.6 | 22 |
| 117 | Facile synthesis of supported Ru ₂ xH ₂ O nanoparticles on Co-Al hydrotalcite for the catalytic oxidation of alcohol: effect of temperature pretreatment. <i>RSC Advances</i> , 2016, 6, 49588-49596. | 3.6 | 9 |
| 118 | Preparation and structure-property relationships of supported trimetallic PdAuAg catalysts for the selective hydrogenation of acetylene. <i>Journal of Catalysis</i> , 2016, 344, 854-864. | 6.2 | 49 |
| 119 | Preparation of reduced graphene oxide/Co ₃ O ₄ composites and sensing performance to toluene at low temperature. <i>RSC Advances</i> , 2016, 6, 60109-60116. | 3.6 | 33 |
| 120 | Controllable Synthesis and Gas-Sensing Properties of Zinc Oxide Nanocrystals With Exposed Different Percentage of Facets. <i>IEEE Sensors Journal</i> , 2016, 16, 866-872. | 4.7 | 15 |
| 121 | Hierarchical polyaniline microspheres loading on flexible PET films for NH ₃ sensing at room temperature. <i>RSC Advances</i> , 2016, 6, 6939-6945. | 3.6 | 14 |
| 122 | Catalytic performance of Pd-promoted Cu hydrotalcite-derived catalysts in partial hydrogenation of acetylene: effect of Pd-Cu alloy formation. <i>Catalysis Science and Technology</i> , 2016, 6, 3027-3037. | 4.1 | 76 |
| 123 | Heterostructures of polyaniline@SnO ₂ loading on flexible PET thin films for triethylamine detection at room temperature. <i>New Journal of Chemistry</i> , 2016, 40, 4595-4600. | 2.8 | 17 |
| 124 | Facile Synthesis and Acetone Sensing Performance of Hierarchical SnO ₂ Hollow Microspheres with Controllable Size and Shell Thickness. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3588-3595. | 3.7 | 103 |
| 125 | Room temperature triethylamine sensing properties of polyaniline-WO ₃ nanocomposites with p-n heterojunctions. <i>RSC Advances</i> , 2016, 6, 2687-2694. | 3.6 | 61 |
| 126 | Oxidation of Aliphatic Alcohols by Using Precious Metals Supported on Hydrotalcite under Solvent- and Base-Free Conditions. <i>ChemSusChem</i> , 2015, 8, 3314-3322. | 6.8 | 18 |

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|-----|---|------|-----------|
| 127 | Highly selective and stable PdNi catalyst derived from layered double hydroxides for partial hydrogenation of acetylene. <i>Applied Catalysis A: General</i> , 2015, 500, 3-11. | 4.3 | 55 |
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