

# Katarzyna Antoniak-Jurak

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

184  
citations

1040056  
9  
h-index

1125743  
13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

246  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Physicochemical Features and NH <sub>3</sub> -SCR Catalytic Performance of Natural Zeolite Modified with Iron—The Effect of Fe Loading. <i>Catalysts</i> , 2022, 12, 731.   | 3.5  | 5         |
| 2  | CO <sub>2</sub> Hydrogenation to Methane over Ni-Catalysts: The Effect of Support and Vanadia Promoting. <i>Catalysts</i> , 2021, 11, 433.  | 3.5  | 17        |
| 3  | Modified Zeolite Catalyst for a NO <sub>x</sub> Selective Catalytic Reduction Process in Nitric Acid Plants. <i>Catalysts</i> , 2021, 11, 450.  | 3.5  | 17        |
| 4  | The effect of La <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> modifiers on properties of Ni—Al catalysts for LNG prereforming. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11664-11676.   | 7.1  | 6         |
| 5  | On the Effect of Flash Calcination Method on the Characteristics of Cobalt Catalysts for Ammonia Synthesis Process. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1518-1529.   | 2.0  | 7         |
| 6  | Heterostructural Mixed Oxides Prepared via ZnAlLa LDH or ex-ZnAl LDH Precursors—Effect of La Content and Its Incorporation Route. <i>Materials</i> , 2021, 14, 2082.  | 2.9  | 3         |
| 7  | Ecofriendly K-decorated ZnO/Zn(Al,La)2O <sub>4</sub> catalyst for hydrogen production — Effect of heterostructure on catalyst activity at steam—lean process gas. <i>Fuel</i> , 2021, 302, 121067.  | 6.4  | 0         |
| 8  | WGS reaction empirical kinetics over novel potassium promoted ZnAlLa mixed oxides catalyst. <i>Chemical Engineering Research and Design</i> , 2020, 164, 293-298.   | 5.6  | 3         |
| 9  | Zn-Al Mixed Oxides Decorated with Potassium as Catalysts for HT-WGS: Preparation and Properties. <i>Catalysts</i> , 2020, 10, 1094.   | 3.5  | 7         |
| 10 | Quaternary Fe—Cu—Cr—Al HT—WGS Catalysts — Effect of Al Substitution on the Efficiency at Steam—Lean Process Gas. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3474-3480.  | 2.0  | 3         |
| 11 | Preparation and evaluation of active Cu-Zn-Al mixed oxides to CS <sub>2</sub> removal for CO <sub>2</sub> ultra-purification. <i>Journal of Hazardous Materials</i> , 2020, 398, 122737.  | 12.4 | 4         |
| 12 | Cu substituted ZnAl <sub>2</sub> O <sub>4</sub> ex-LDH catalysts for medium-temperature WGS — effect of Cu/Zn ratio and thermal treatment on catalyst efficiency. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27390-27400.  | 7.1  | 10        |
| 13 | Flash—Calcined CuZnAl—LDH as High—Activity LT—WGS Catalyst. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1792-1798.   | 2.0  | 9         |
| 14 | The alcohol-modified CuZnAl hydroxycarbonate synthesis as a convenient preparation route of high—activity Cu/ZnO/Al <sub>2</sub> O <sub>3</sub> catalysts for WGS. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 913-922.   | 7.1  | 18        |
| 15 | The Evaluation of Synthesis Route Impact on Structure, Morphology and LT-WGS Activity of Cu/ZnO/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Letters</i> , 2017, 147, 1422-1433.  | 2.6  | 15        |
| 16 | On the selection of the best polymorph of Al <sub>2</sub> O <sub>3</sub> carriers for supported cobalt nano-spinel catalysts for N <sub>2</sub> O abatement: an interplay between preferable surface spreading and damaging active phase—support interaction. <i>Catalysis Science and Technology</i> , 2017, 7, 5723-5732. | 4.1  | 22        |
| 17 | Characteristics and catalytic behavior of NiAlCe catalysts in the hydrogenation of canola oil: the effect of cerium on cis/trans selectivity. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 119, 595-613.  | 1.7  | 5         |
| 18 | Sulfur tolerant Co—Mo—K catalysts supported on carbon materials for sour gas shift process — Effect of support modification. <i>Fuel Processing Technology</i> , 2016, 144, 305-311.  | 7.2  | 7         |

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|----|---|-----|-----------|
| 19 | Structure and morphology transformation of ZnO by carbonation and thermal treatment. Materials Research Bulletin, 2015, 65, 149-156.  | 5.2 | 14        |
| 20 | Sour gas shift process over sulfided Co-Mo-K catalysts supported on carbon material – Support characterization and catalytic activity of catalysts. Fuel Processing Technology, 2015, 138, 305-313. | 7.2 | 12        |