

# Yonggang Jin

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,797  
citations

758635

12  
h-index

676716

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3093  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Engineering Ni/SiO <sub>2</sub> catalysts for enhanced CO <sub>2</sub> methanation. <i>Fuel</i> , 2021, 285, 119151.  | 3.4 | 76        |
| 2  | Fabrication Method of Engineered Cu-ZnO/SiO <sub>2</sub> Catalysts with Highly Dispersed Metal Nanoparticles toward Efficient Utilization of Methanol as a Hydrogen Carrier. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100082.                     | 2.8 | 6         |
| 3  | Site Trials and Demonstration of a Novel Pilot Ventilation Air Methane Mitigator. <i>Energy &amp; Fuels</i> , 2020, 34, 9885-9893.  | 2.5 | 9         |
| 4  | CO <sub>2</sub> derived nanoporous carbons for carbon capture. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110356.   | 2.2 | 15        |
| 5  | Ammonia Syngas Production from Coal Mine Drainage Gas with CO <sub>2</sub> Capture via Enrichment and Sorption-Enhanced Autothermal Reforming. <i>Energy &amp; Fuels</i> , 2020, 34, 655-664.   | 2.5 | 8         |
| 6  | Conversion of dinitrogen to ammonia on Ru atoms supported on boron sheets: a DFT study. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4771-4776.   | 5.2 | 251       |
| 7  | Single-Boron Catalysts for Nitrogen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 2884-2888.   | 6.6 | 497       |
| 8  | Biomass-derived carbon composites for enrichment of dilute methane from underground coal mines. <i>Journal of Environmental Management</i> , 2018, 217, 373-380.  | 3.8 | 6         |
| 9  | Theoretical Evaluation of Possible 2D Boron Monolayer in N <sub>2</sub> Electrochemical Conversion into Ammonia. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25268-25273.   | 1.5 | 91        |
| 10 | Improved catalytic combustion of methane using CuO nanobelts with predominantly (001) surfaces. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2526-2532.  | 1.5 | 12        |
| 11 | Two-Dimensional Boron Sheets as Metal-Free Catalysts for Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19051-19055.  | 1.5 | 63        |
| 12 | A promising synergistic effect of nickel ferrite loaded on the layered double hydroxide-derived carrier for enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 867-875.  | 3.8 | 18        |
| 13 | Preparation optimization of carbon nanotube/carbon fiber incorporated carbon composite monoliths for high CO <sub>2</sub> adsorption capacity. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2015, 10, 842-850.   | 0.8 | 2         |
| 14 | Experimental and theoretical study of the oxidation of ventilation air methane over Fe <sub>2</sub> O <sub>3</sub> and CuO. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16277-16284.   | 1.3 | 23        |
| 15 | Preparation of spiral porous stainless steel hollow fiber membranes by a modified phase inversion sintering technique. <i>Journal of Membrane Science</i> , 2015, 489, 292-298.   | 4.1 | 22        |
| 16 | Polyvinylidene fluoride photocatalytic films embedded by porous Zr x Si 1 x O 2 shell/void/TiO 2 core particles. <i>Separation and Purification Technology</i> , 2015, 156, 535-543.  | 3.9 | 4         |
| 17 | Oxygen permeability and CO <sub>2</sub> -tolerance of Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-δ</sub> / SrCo <sub>0.8</sub> Fe <sub>0.1</sub> Nb <sub>0.1</sub> O <sub>3-δ</sub> dual-phase membrane. <i>Journal of Alloys and Compounds</i> , 2015, 646, 204-210. | 2.8 | 22        |
| 18 | Expanded graphite/phenolic resin-based carbon composite adsorbents for post-combustion CO <sub>2</sub> capture. <i>RSC Advances</i> , 2015, 5, 62604-62610.   | 1.7 | 10        |

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|----|---|------|-----------|
| 19 | A Study on the Degradation and Recovery Mechanisms of Perovskite Ba <sub>1.0</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3-<math>\delta</math></sub> Membrane Under CO <sub>2</sub> -Containing Atmosphere. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24229-24237. | 1.5  | 6         |
| 20 | A site trial demonstration of CO <sub>2</sub> capture from real flue gas by novel carbon fibre composite monolith adsorbents. <i>International Journal of Greenhouse Gas Control</i> , 2015, 42, 415-423.   | 2.3  | 10        |
| 21 | Carbon nanotube modified carbon composite monoliths as superior adsorbents for carbon dioxide capture. <i>Energy and Environmental Science</i> , 2013, 6, 2591.   | 15.6 | 87        |
| 22 | Nanostructured Metal-Free Electrochemical Catalysts for Highly Efficient Oxygen Reduction. <i>Small</i> , 2012, 8, 3550-3566.   | 5.2  | 559       |