

Kaihang Sun

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,847
citations

430874

18
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1368
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The feasibility study of the indium oxide supported silver catalyst for selective hydrogenation of CO ₂ to methanol. <i>Green Energy and Environment</i> , 2022, 7, 807-817. | 8.7 | 45 |
| 2 | Synergistic effect of the metal-support interaction and interfacial oxygen vacancy for CO ₂ hydrogenation to methanol over Ni/In ₂ O ₃ catalyst: A theoretical study. <i>Journal of Energy Chemistry</i> , 2022, 65, 623-629. | 12.9 | 51 |
| 3 | Improvement in the activity of Ni/In ₂ O ₃ with the addition of ZrO ₂ for CO ₂ hydrogenation to methanol. <i>Catalysis Communications</i> , 2022, 162, 106386. | 3.3 | 22 |
| 4 | Advances in studies of the structural effects of supported Ni catalysts for CO ₂ hydrogenation: from nanoparticle to single atom catalyst. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5792-5812. | 10.3 | 42 |
| 5 | CO ₂ hydrogenation to methanol over Rh/In ₂ O ₃ -ZrO ₂ catalyst with improved activity. <i>Green Chemical Engineering</i> , 2022, 3, 165-170. | 6.3 | 19 |
| 6 | CO ₂ hydrogenation to methanol over Rh/In ₂ O ₃ catalyst. <i>Catalysis Today</i> , 2021, 365, 341-347. | 4.4 | 94 |
| 7 | Highly Active Ir/In ₂ O ₃ Catalysts for Selective Hydrogenation of CO ₂ to Methanol: Experimental and Theoretical Studies. <i>ACS Catalysis</i> , 2021, 11, 4036-4046. | 11.2 | 108 |
| 8 | Theoretical Study of Selective Hydrogenation of CO ₂ to Methanol over Pt ₄ /In ₂ O ₃ Model Catalyst. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10926-10936. | 3.1 | 29 |
| 9 | Experimental and theoretical studies of CO ₂ hydrogenation to methanol on Ru/In ₂ O ₃ . <i>Journal of CO₂ Utilization</i> , 2021, 53, 101720. | 6.8 | 54 |
| 10 | A Highly Active Au/In ₂ O ₃ -ZrO ₂ Catalyst for Selective Hydrogenation of CO ₂ to Methanol. <i>Catalysts</i> , 2020, 10, 1360. | 3.5 | 34 |
| 11 | Hydrogenation of CO ₂ to Methanol on a Au ⁺ /In ₂ O ₃ Catalyst. <i>ACS Catalysis</i> , 2020, 10, 11307-11317. | 11.2 | 142 |
| 12 | Density functional theoretical study of Au ₄ /In ₂ O ₃ catalyst for CO ₂ hydrogenation to methanol: The strong metal-support interaction and its effect. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101313. | 6.8 | 39 |
| 13 | A highly active Pt/In ₂ O ₃ catalyst for CO ₂ hydrogenation to methanol with enhanced stability. <i>Green Chemistry</i> , 2020, 22, 5059-5066. | 9.0 | 107 |
| 14 | Selective hydrogenation of CO ₂ to methanol over Ni/In ₂ O ₃ catalyst. <i>Journal of Energy Chemistry</i> , 2020, 50, 409-415. | 12.9 | 159 |
| 15 | CO ₂ hydrogenation to methanol over Pd/In ₂ O ₃ : effects of Pd and oxygen vacancy. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 488-497. | 20.2 | 460 |
| 16 | Hydrogenation of CO ₂ to methanol over In ₂ O ₃ catalyst. <i>Journal of CO₂ Utilization</i> , 2015, 12, 1-6. | 6.8 | 236 |
| 17 | Improved activity of Ni/MgAl ₂ O ₄ for CO ₂ methanation by the plasma decomposition. <i>Journal of Energy Chemistry</i> , 2015, 24, 655-659. | 12.9 | 88 |
| 18 | Three-dimensional Printed Acrylonitrile Butadiene Styrene Framework Coated with Cu-BTC Metal-organic Frameworks for the Removal of Methylene Blue. <i>Scientific Reports</i> , 2014, 4, 5939. | 3.3 | 118 |