

Seongbin Jo

List of Publications by Year in descending order

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21
papers

273
citations

1040056

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940533

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21
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21
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the sorption pressure and K ₂ CO ₃ loading of a MgO-based sorbent for application to the SEWGS process. Korean Journal of Chemical Engineering, 2022, 39, 1028-1035.	2.7	4
2	A fundamental study of CO ₂ capture and CH ₄ production in a rapid cyclic system using nickel-lithium-silicate as a catal-sorbent. Fuel, 2022, 311, 122602.	6.4	15
3	CO ₂ Sorption and Regeneration Properties of K ₂ CO ₃ /Al ₂ O ₃ -Based Sorbent at High Pressure and Moderate Temperature. Applied Sciences (Switzerland), 2022, 12, 2989.	2.5	3
4	Perspective on Sorption Enhanced Bifunctional Catalysts to Produce Hydrocarbons. ACS Catalysis, 2022, 12, 7486-7510.	11.2	14
5	Investigation of Co-Fe-Al Catalysts for High-Calorific Synthetic Natural Gas Production: Pilot-Scale Synthesis of Catalysts. Catalysts, 2021, 11, 105.	3.5	6
6	Influence of Ni on Fe and Co-Fe Based Catalysts for High-Calorific Synthetic Natural Gas. Catalysts, 2021, 11, 697.	3.5	4
7	Preparation of Eggshell-Type Ru/Al ₂ O ₃ Catalysts for Hydrogen Production Using Steam-Methane Reforming on PEMFC. Catalysts, 2021, 11, 951.	3.5	1
8	Coke-promoted Ni/CaO catal-sorbents in the production of cyclic CO and syngas. Sustainable Energy and Fuels, 2021, 6, 81-88.	4.9	21
9	CO ₂ green technologies in CO ₂ capture and direct utilization processes: methanation, reverse water-gas shift, and dry reforming of methane. Sustainable Energy and Fuels, 2020, 4, 5543-5549.	4.9	48
10	A novel integrated CO ₂ capture and direct methanation process using Ni/CaO catal-sorbents. Sustainable Energy and Fuels, 2020, 4, 4679-4687.	4.9	45
11	Effects of Thin-Film Thickness on Sensing Properties of SnO ₂ -Based Gas Sensors for the Detection of H ₂ S Gas at ppm Levels. Journal of Nanoscience and Nanotechnology, 2020, 20, 7169-7174.	0.9	4
12	Effect of reducibility on the performance of Co-based catalysts for the production of high-calorie synthetic natural gas. Korean Journal of Chemical Engineering, 2020, 37, 1690-1698.	2.7	6
13	Thermally stable amine-functionalized silica sorbents using one-pot synthesis method for CO ₂ capture at low temperature. Korean Journal of Chemical Engineering, 2020, 37, 2317-2325.	2.7	5
14	Catalytic Technologies for CO Hydrogenation for the Production of Light Hydrocarbons and Middle Distillates. Catalysts, 2020, 10, 99.	3.5	26
15	Enhanced Ni-Al-Based Catalysts and Influence of Aromatic Hydrocarbon for Autothermal Reforming of Diesel Surrogate Fuel. Catalysts, 2019, 9, 573.	3.5	12
16	Selective CO Hydrogenation Over Bimetallic Co-Fe Catalysts for the Production of Light Paraffin Hydrocarbons (C ₂ -C ₄): Effect of Space Velocity, Reaction Pressure and Temperature. Catalysts, 2019, 9, 779.	3.5	8
17	Hybrid catalysts in a double-layered bed reactor for the production of C ₂ -C ₄ paraffin hydrocarbons. Catalysis Communications, 2019, 127, 29-33.	3.3	6
18	SnO ₂ nanowire gas sensors for detection of ppb level NO _x gas. Adsorption, 2019, 25, 1259-1269.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Performance of an Auto-Reduced Nickel Catalyst for Auto-Thermal Reforming of Dodecane. Catalysts, 2018, 8, 371.	3.5	5
20	Selective CO hydrogenation over bimetallic Co-Fe catalysts for the production of light paraffin hydrocarbons (C2-C4): Effect of H ₂ /CO ratio and reaction temperature. Catalysis Communications, 2018, 117, 74-78.	3.3	18
21	Regenerable potassium-based alumina sorbents prepared by CO ₂ thermal treatment for post-combustion carbon dioxide capture. Korean Journal of Chemical Engineering, 2016, 33, 3207-3215.	2.7	12