

Tae-Young Kim

List of Publications by Year in descending order

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17
papers

229
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1163117

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183
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ green technologies in CO ₂ capture and direct utilization processes: methanation, reverse water-gas shift, and dry reforming of methane. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5543-5549.	4.9	48
2	A novel integrated CO ₂ capture and direct methanation process using Ni/CaO catal-sorbents. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4679-4687.	4.9	45
3	Catalytic Technologies for CO Hydrogenation for the Production of Light Hydrocarbons and Middle Distillates. <i>Catalysts</i> , 2020, 10, 99.	3.5	26
4	Coke-promoted Ni/CaO catal-sorbents in the production of cyclic CO and syngas. <i>Sustainable Energy and Fuels</i> , 2021, 6, 81-88.	4.9	21
5	Selective CO hydrogenation over bimetallic Co-Fe catalysts for the production of light paraffin hydrocarbons (C ₂ -C ₄): Effect of H ₂ /CO ratio and reaction temperature. <i>Catalysis Communications</i> , 2018, 117, 74-78.	3.3	18
6	A fundamental study of CO ₂ capture and CH ₄ production in a rapid cyclic system using nickel-lithium-silicate as a catal-sorbent. <i>Fuel</i> , 2022, 311, 122602.	6.4	15
7	Enhanced Ni-Al-Based Catalysts and Influence of Aromatic Hydrocarbon for Autothermal Reforming of Diesel Surrogate Fuel. <i>Catalysts</i> , 2019, 9, 573.	3.5	12
8	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. <i>Catalysts</i> , 2019, 9, 779.	3.5	8
9	Hybrid catalysts in a double-layered bed reactor for the production of C ₂ -C ₄ paraffin hydrocarbons. <i>Catalysis Communications</i> , 2019, 127, 29-33.	3.3	6
10	Effect of reducibility on the performance of Co-based catalysts for the production of high-calorie synthetic natural gas. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1690-1698.	2.7	6
11	Investigation of Co-Fe-Al Catalysts for High-Calorific Synthetic Natural Gas Production: Pilot-Scale Synthesis of Catalysts. <i>Catalysts</i> , 2021, 11, 105.	3.5	6
12	Thermally stable amine-functionalized silica sorbents using one-pot synthesis method for CO ₂ capture at low temperature. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 2317-2325.	2.7	5
13	Influence of Ni on Fe and Co-Fe Based Catalysts for High-Calorific Synthetic Natural Gas. <i>Catalysts</i> , 2021, 11, 697.	3.5	4
14	Influence of the sorption pressure and K ₂ CO ₃ loading of a MgO-based sorbent for application to the SEWGS process. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1028-1035.	2.7	4
15	CO ₂ Sorption and Regeneration Properties of K ₂ CO ₃ /Al ₂ O ₃ -Based Sorbent at High Pressure and Moderate Temperature. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2989.	2.5	3
16	Preparation of Eggshell-Type Ru/Al ₂ O ₃ Catalysts for Hydrogen Production Using Steam-Methane Reforming on PEMFC. <i>Catalysts</i> , 2021, 11, 951.	3.5	1
17	Deactivation of Ni-Al-Based Catalysts for Autothermal Reforming of Diesel Surrogate Fuel in the Presence of an Aromatic Hydrocarbon. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7018-7026.	0.9	1