

CITATION REPORT

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Enhancing natural gas-to-liquids (GTL) processes through chemical looping for syngas production: Process synthesis and global optimization

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#	Paper	IF	Citations
17	Process Modeling, Simulation and Optimization: From Single Solutions to a Multitude of Solutions to Support Decision Making. <i>Chemie-Ingenieur-Technik</i> , 2018 , 90, 1727-1738	0.8	12
16	Biorefinery synthesis and design using sustainability parameters and hierarchical/3D multi-objective optimization. <i>Journal of Cleaner Production</i> , 2019 , 240, 118134	10.3	20
15	Life cycle comparison of greenhouse gas emissions and water consumption for coal and oil shale to liquid fuels. <i>Resources, Conservation and Recycling</i> , 2019 , 144, 74-81	11.9	27
14	Ilmenite ore as an oxygen carrier for pressurized chemical looping reforming: Characterization and process simulation. <i>International Journal of Greenhouse Gas Control</i> , 2019 , 81, 240-258	4.2	9
13	Techno-economic assessment of an integrated high pressure chemical-looping process with packed-bed reactors in large scale hydrogen and methanol production. <i>International Journal of Greenhouse Gas Control</i> , 2019 , 88, 71-84	4.2	29
12	Multi-scale energy systems engineering for optimal natural gas utilization. <i>Catalysis Today</i> , 2020 , 356, 18-26	5.3	8
11	Natural gas utilization: Current status and opportunities. <i>Catalysis Today</i> , 2020 , 356, 27-36	5.3	10
10	Chemical Looping Partial Oxidation of Methane for Co-Production of Syngas and Electricity: Process Modeling and Systems Analysis. <i>Energy Technology</i> , 2020 , 8, 1900580	3.5	3
9	Hybrid Catalyst for the Selective Synthesis of Fuel Range Hydrocarbons by the Fischer-Tropsch Method. <i>Kinetics and Catalysis</i> , 2021 , 62, 172-180	1.5	3
8	Combined Synthesis and Hydroprocessing of Hydrocarbons over Co/SiO ₂ + ZSM-5 + Al ₂ O ₃ Catalysts Promoted by Nickel. <i>Petroleum Chemistry</i> , 2021 , 61, 516-526	1.1	1
7	A Mixed-Integer Linear Programming Model for the Design of Shale Gas Industrial Parks. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8783-8796	8.3	0
6	Intensifying chemical looping dry reforming: Process modeling and systems analysis. <i>Journal of CO₂ Utilization</i> , 2021 , 49, 101555	7.6	2
5	A framework to predict the price of energy for the end-users with applications to monetary and energy policies. <i>Nature Communications</i> , 2021 , 12, 18	17.4	11
4	Hydrogen production via chemical looping dry reforming of methane: Process modeling and systems analysis. <i>AIChE Journal</i> ,	3.6	1
3	Fischer-Tropsch Synthesis on Bifunctional Cobalt Catalysts with the Use of Hierarchical Zeolite HBeta. 2022 , 63, 399-411		0
2	Fischer-Tropsch Synthesis for Conversion of Methane into Liquid Hydrocarbons through Gas-to-Liquids (GTL) Process: A Review. 2023 , 2, 24-43		1
1	Conceptual design and techno-economic analysis of a novel propane dehydrogenation process integrated with chemical looping combustion and CO ₂ hydrogenation. 2023 , 281, 116820		0

