Lin Zhu

List of Publications by Year
in descending order

33 papers	871 citations	430874 18 h-index	477307 29 g-index
33 all docs	33 docs citations	33 times ranked	720 citing authors

#	Article	IF	Citations
1	Technical, Economical, and Environmental Performance Assessment of an Improved Triethylene Glycol Dehydration Process for Shale Gas. ACS Omega, 2022, 7, 1861-1873.	3.5	8
2	Energy quality factor and exergy destruction processes analysis for chemical looping hydrogen generation by coal. International Journal of Energy Research, 2021, 45, 5527-5543.	4.5	5
3	New Technique Integrating Hydrate-Based Gas Separation and Chemical Absorption for the Sweetening of Natural Gas with High H₂S and CO₂ Contents. ACS Omega, 2021, 6, 26180-26190.	3.5	12
4	Life cycle assessment of CO2 emission reduction potential of carbon capture and utilization for liquid fuel and power cogeneration. Fuel Processing Technology, 2021, 221, 106924.	7.2	26
5	Comparative exergy and exergoeconomic analysis between liquid fuels production through chemical looping hydrogen generation and methane reforming with CO2. Energy Conversion and Management, 2020, 222, 113239.	9.2	17
6	Exergy analysis on the process for three reactors chemical looping hydrogen generation. International Journal of Hydrogen Energy, 2020, 45, 24322-24332.	7.1	15
7	Quad-generation of combined cooling, heating, power, and hydrogen in a dual-loop chemical looping process: Process simulation and thermodynamic evaluation. AIP Advances, 2020, 10, 085223.	1.3	1
8	Influence of Monomer Ratio on the Performance of Poly(octadecyl acrylate-<i>co</i>-styrene) as Pour-Point Depressants. Energy & Fuels, 2020, 34, 6791-6798.	5.1	21
9	Hydrogen and Power Cogeneration Based on Chemical Looping Combustion: Is It Capable of Reducing Carbon Emissions and the Cost of Production?. Energy & Fuels, 2020, 34, 3501-3512.	5.1	15
10	Zero-energy penalty carbon capture and utilization for liquid fuel and power cogeneration with chemical looping combustion. Journal of Cleaner Production, 2019, 235, 34-43.	9.3	26
11	Solar-driven novel methane reforming with carbon looping for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 24441-24449.	7.1	21
12	Methanol-power production using coal and methane as materials integrated with a two-level adjustment system. Journal of the Taiwan Institute of Chemical Engineers, 2019, 97, 346-355.	5.3	18
13	Life-cycle assessment of SNG and power generation: The role of implement of chemical looping combustion for carbon capture. Energy, 2019, 172, 777-786.	8.8	18
14	Alkyl phosphate modified graphene oxide as friction and wear reduction additives in oil. Journal of Materials Science, 2019, 54, 4626-4636.	3.7	30
15	Thermodynamic assessment of SNG and power polygeneration with the goal of zero CO2 emission. Energy, 2018, 149, 34-46.	8.8	30
16	Tech-economic assessment of second-generation CCS: Chemical looping combustion. Energy, 2018, 144, 915-927.	8.8	65
17	Comparative exergy analysis between liquid fuels production through carbon dioxide reforming and conventional steam reforming. Journal of Cleaner Production, 2018, 192, 88-98.	9.3	25
18	Thermodynamic evaluation of chemical looping combustion for combined cooling heating and power production driven by coal. Energy Conversion and Management, 2017, 135, 200-211.	9.2	54

#	Article	IF	Citations
19	Thermodynamic and environmental evaluation of biomass and coal co-fuelled gasification chemical looping combustion with CO 2 capture for combined cooling, heating and power production. Applied Energy, 2017, 195, 861-876.	10.1	63
20	In Situ Alkylated Graphene as Oil Dispersible Additive for Friction and Wear Reduction. Industrial & Engineering Chemistry Research, 2017, 56, 9029-9034.	3.7	34
21	A thermodynamic and environmental performance of in-situ gasification of chemical looping combustion for power generation using ilmenite with different coals and comparison with other coal-driven power technologies for CO2 capture. Energy, 2017, 119, 1171-1180.	8.8	38
22	Performance Analysis of a New Integrated Gasification Technology Driven by Biomass for Hydrogen and Electricity Cogeneration with a Dual Chemical Looping Process. Energy Technology, 2016, 4, 1274-1285.	3.8	13
23	Thermo-economic investigation: an insight tool to analyze NGCC with calcium-looping process and with chemical-looping combustion for CO₂capture. International Journal of Energy Research, 2016, 40, 1908-1924.	4.5	11
24	Thermodynamics of Hydrogen Production Based on Coal Gasification Integrated withÂaÂDual Chemical Looping Process. Chemical Engineering and Technology, 2016, 39, 1912-1920.	1.5	9
25	Comparative exergy analysis of chemical looping combustion thermally coupled and conventional steam methane reforming for hydrogen production. Journal of Cleaner Production, 2016, 131, 247-258.	9.3	99
26	Double-stage chemical looping combustion combined with sorption enhanced natural gas steam reforming process for hydrogen and power cogeneration: Thermodynamic investigation. Chemical Engineering Research and Design, 2016, 114, 247-257.	5.6	7
27	MSW to synthetic natural gas: System modeling and thermodynamics assessment. Waste Management, 2016, 48, 257-264.	7.4	32
28	Corrosion failure analysis of 20# steel in the process of natural gas purification. Russian Journal of Applied Chemistry, 2015, 88, 1510-1516.	0.5	3
29	Thermodynamic analysis of H₂production from CaO sorption-enhanced methane steam reforming thermally coupled with chemical looping combustion as a novel technology. International Journal of Energy Research, 2015, 39, 356-369.	4.5	53
30	A modified process for overcoming the drawbacks of conventional steam methane reforming for hydrogen production: Thermodynamic investigation. Chemical Engineering Research and Design, 2015, 104, 792-806.	5.6	45
31	Performance analysis of a feasible technology for power and high-purity hydrogen production driven by methane fuel. Applied Thermal Engineering, 2015, 75, 103-114.	6.0	48
32	Schiff base compound as a corrosion inhibitor for mild steel in 1ÂM HCl. Research on Chemical Intermediates, 2015, 41, 4943-4960.	2.7	8
33	Development of a Kinetic Model for Biomass Gasification in Dual Fluidized Bed Gasifier. Journal of Chemical Engineering of Japan, 2014, 47, 855-863.	0.6	1