

Stefan RÄnsch

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,395
citations

840776

11
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

1758
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Light Hydrocarbons from Biogas and Hydrogen: Investigation of a Fe-Mn/MgO Catalyst. Chemical Engineering and Technology, 2022, 45, 768-768.	1.5	0
2	Transient Flow Rate Ramps for Methanation of Carbon Dioxide in an Adiabatic Fixed-Bed Recycle Reactor. Energy Technology, 2020, 8, 1901116.	3.8	23
3	Zeolite Heat Storage: Key Parameters from Experimental Results with Binder-Free NaY. Chemical Engineering and Technology, 2020, 43, 2530-2537.	1.5	7
4	Synthesis of Light Hydrocarbons from Biogas and Hydrogen: Investigation of a Fe-Mn/MgO Catalyst. Chemical Engineering and Technology, 2020, 43, 1547-1553.	1.5	0
5	Fixed-Bed Heat Storage - Mathematical Modeling Approaches. Chemical Engineering and Technology, 2019, 42, 2331-2339.	1.5	3
6	Performance of supported and unsupported Fe and Co catalysts for the direct synthesis of light alkenes from synthesis gas. Fuel Processing Technology, 2018, 170, 64-78.	7.2	10
7	Simulation-Based Evaluation of a Two-Stage Small-Scale Methanation Unit for Decentralized Applications. Energy & Fuels, 2017, 31, 2076-2086.	5.1	15
8	Low-Temperature CO Methanation in Oil-Tempered Plate Reactors by Optimization of Catalyst Activation Conditions. Chemical Engineering and Technology, 2017, 40, 1685-1692.	1.5	0
9	Start-and-Stop Operation of Fixed-Bed Methanation Reactors - Results from Modeling and Simulation. Chemical Engineering and Technology, 2017, 40, 2314-2321.	1.5	21
10	Global Reaction Kinetics of CO and CO ₂ Methanation for Dynamic Process Modeling. Chemical Engineering and Technology, 2016, 39, 208-218.	1.5	69
11	Unsteady-state methanation of carbon dioxide in a fixed-bed recycle reactor - Experimental results for transient flow rate ramps. Fuel Processing Technology, 2016, 153, 87-93.	7.2	45
12	Atmospheric entrained-flow gasification of biomass and lignite for decentralized applications. Fuel Processing Technology, 2016, 152, 72-82.	7.2	27
13	Review on methanation - From fundamentals to current projects. Fuel, 2016, 166, 276-296.	6.4	1,024
14	Sorptive H ₂ S removal by impregnated activated carbons for the production of SNG. Fuel Processing Technology, 2015, 138, 37-41.	7.2	36
15	Dynamic Simulation of Fixed-Bed Methanation Reactors. Chemie-Ingenieur-Technik, 2014, 86, 1198-1204.	0.8	28
16	Treibhausgasvermeidungskosten von synthetischem Methan und Methanol aus Biomasse und Braunkohle. Chemie-Ingenieur-Technik, 2014, 86, 1678-1689.	0.8	9
17	Bio-SNG production - concepts and their assessment. Biomass Conversion and Biorefinery, 2012, 2, 285-296.	4.6	23
18	Methanisierung von Synthesegasen - Grundlagen und Verfahrensentwicklungen. Chemie-Ingenieur-Technik, 2011, 83, 1200-1208.	0.8	42

#	ARTICLE	IF	CITATIONS
19	Produktion des Erdgassubstitutes Bio-SNG im Leistungsbereich um 30â€™MWBWL- Eine techno-Ã¶konomische Analyse und Bewertung. Chemie-Ingenieur-Technik, 2009, 81, 1417-1428.	0.8	4
20	Dynamic simulation of a decentralized polygeneration plant providing SNG, steam and power. International Journal of Sustainable Engineering, 0, , 1-7.	3.5	0