

Siegfried Bajohr

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

2,381
citations

12
h-index

16
g-index

16
ext. papers

2,894
ext. citations

5.1
avg, IF

5.07
L-index

#	Paper	IF	Citations
15	Numerical simulation of accidental released hazardous gas dispersion at a methanation plant using GASFLOW-MPI. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 2804-2823	6.7	2
14	CNG und LNG aus biogenen Reststoffen – Ein Konzept zur ressourcenschonenden Kraftstoffproduktion. <i>Chemie-Ingenieur-Technik</i> , 2020 , 92, 144-155	0.8	
13	Power-to-Gas: CO ₂ Methanation Concepts for SNG Production at the Engler-Bunte-Institut. <i>Chemie-Ingenieur-Technik</i> , 2020 , 92, 595-602	0.8	5
12	Modeling of the transient behavior of a slurry bubble column reactor for CO ₂ methanation, and comparison with a tube bundle reactor. <i>Renewable Energy</i> , 2020 , 151, 118-136	8.1	12
11	State of the Art of Hydrogen Production via Pyrolysis of Natural Gas. <i>ChemBioEng Reviews</i> , 2020 , 7, 150-158	5.8	42
10	A comparison of two-phase and three-phase CO ₂ methanation reaction kinetics. <i>Fuel</i> , 2019 , 239, 896-904	7.1	17
9	A study on three-phase CO ₂ methanation reaction kinetics in a continuous stirred-tank slurry reactor. <i>Fuel</i> , 2018 , 217, 151-159	7.1	18
8	Modeling and Design of a Catalytic Wall Reactor for the Methanation of Carbon Dioxide. <i>Chemie-Ingenieur-Technik</i> , 2018 , 90, 615-624	0.8	14
7	Scale-Up of Innovative Honeycomb Reactors for Power-to-Gas Applications - The Project Store&Go. <i>Chemie-Ingenieur-Technik</i> , 2018 , 90, 696-702	0.8	27
6	Novel gas holdup correlation for slurry bubble column reactors operated in the homogeneous regime. <i>Chemical Engineering Journal</i> , 2017 , 308, 1209-1224	14.7	31
5	Renewable Power-to-Gas: A technological and economic review. <i>Renewable Energy</i> , 2016 , 85, 1371-1390	8.1	1341
4	Review on methanation – From fundamentals to current projects. <i>Fuel</i> , 2016 , 166, 276-296	7.1	732
3	Long-term thermal stability of selected ionic liquids in nitrogen and hydrogen atmosphere. <i>Thermochimica Acta</i> , 2015 , 600, 82-88	2.9	45
2	Improvement of three-phase methanation reactor performance for steady-state and transient operation. <i>Fuel Processing Technology</i> , 2015 , 132, 83-90	7.2	72
1	Einsatz eines Blasensäulenreaktors zur Methansynthese. <i>Chemie-Ingenieur-Technik</i> , 2013 , 85, 1146-1151	0.8	23