

# Siegfried Bajohr

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

3,388  
citations

687363

13  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

3845  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methanation Pilot Plant with a Slurry Bubble Column Reactor: Setup and First Experimental Results. <i>Energy &amp; Fuels</i> , 2022, 36, 7166-7176.	5.1	4
2	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.	7.1	4
3	Modeling of the transient behavior of a slurry bubble column reactor for CO <sub>2</sub> methanation, and comparison with a tube bundle reactor. <i>Renewable Energy</i> , 2020, 151, 118-136.	8.9	26
4	State of the Art of Hydrogen Production via Pyrolysis of Natural Gas. <i>ChemBioEng Reviews</i> , 2020, 7, 150-158.	4.4	153
5	CNG und LNG aus biogenen Reststoffen – ein Konzept zur ressourcenschonenden Kraftstoffproduktion. <i>Chemie-Ingenieur-Technik</i> , 2020, 92, 144-155.	0.8	0
6	Power-to-Gas: CO <sub>2</sub> Methanation Concepts for SNG Production at the Engler-Bunte-Institut. <i>Chemie-Ingenieur-Technik</i> , 2020, 92, 595-602.	0.8	15
7	A comparison of two-phase and three-phase CO <sub>2</sub> methanation reaction kinetics. <i>Fuel</i> , 2019, 239, 896-904.	6.4	32
8	A study on three-phase CO <sub>2</sub> methanation reaction kinetics in a continuous stirred-tank slurry reactor. <i>Fuel</i> , 2018, 217, 151-159.	6.4	25
9	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	16
10	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	38
11	Novel gas holdup correlation for slurry bubble column reactors operated in the homogeneous regime. <i>Chemical Engineering Journal</i> , 2017, 308, 1209-1224.	12.7	40
12	Review on methanation – From fundamentals to current projects. <i>Fuel</i> , 2016, 166, 276-296.	6.4	1,024
13	Renewable Power-to-Gas: A technological and economic review. <i>Renewable Energy</i> , 2016, 85, 1371-1390.	8.9	1,837
14	Improvement of three-phase methanation reactor performance for steady-state and transient operation. <i>Fuel Processing Technology</i> , 2015, 132, 83-90.	7.2	89
15	Long-term thermal stability of selected ionic liquids in nitrogen and hydrogen atmosphere. <i>Thermochimica Acta</i> , 2015, 600, 82-88.	2.7	61
16	Einsatz eines BlasensÄulenreaktors zur Methansynthese. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 1146-1151.	0.8	24