Siegfried Bajohr

List of Publications by Citations

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	Renewable Power-to-Gas: A technological and economic review. *Renewable Energy*, **2016**, 85, 1371-1390	8.1	1341
14	Review on methanation – From fundamentals to current projects. *Fuel*, **2016**, 166, 276-296	7.1	732
13	Improvement of three-phase methanation reactor performance for steady-state and transient operation. *Fuel Processing Technology*, **2015**, 132, 83-90	7.2	72
12	Long-term thermal stability of selected ionic liquids in nitrogen and hydrogen atmosphere. *Thermochimica Acta*, **2015**, 600, 82-88	2.9	45
11	State of the Art of Hydrogen Production via Pyrolysis of Natural Gas. *ChemBioEng Reviews*, **2020**, 7, 150-158	3.8	42
10	Novel gas holdup correlation for slurry bubble column reactors operated in the homogeneous regime. *Chemical Engineering Journal*, **2017**, 308, 1209-1224	14.7	31
9	Scale-Up of Innovative Honeycomb Reactors for Power-to-Gas Applications - The Project Store&Go. *Chemie-Ingenieur-Technik*, **2018**, 90, 696-702	0.8	27
8	Einsatz eines Blasensäulenreaktors zur Methansynthese. *Chemie-Ingenieur-Technik*, **2013**, 85, 1146-1151	0.8	23
7	A study on three-phase CO2 methanation reaction kinetics in a continuous stirred-tank slurry reactor. *Fuel*, **2018**, 217, 151-159	7.1	18
6	A comparison of two-phase and three-phase CO2 methanation reaction kinetics. *Fuel*, **2019**, 239, 896-904	7.1	17
5	Modeling and Design of a Catalytic Wall Reactor for the Methanation of Carbon Dioxide. *Chemie-Ingenieur-Technik*, **2018**, 90, 615-624	0.8	14
4	Modeling of the transient behavior of a slurry bubble column reactor for CO2 methanation, and comparison with a tube bundle reactor. *Renewable Energy*, **2020**, 151, 118-136	8.1	12
3	Power-to-Gas: CO2 Methanation Concepts for SNG Production at the Engler-Bunte-Institut. *Chemie-Ingenieur-Technik*, **2020**, 92, 595-602	0.8	5
2	Numerical simulation of accidental released hazardous gas dispersion at a methanation plant using GASFLOW-MPI. *International Journal of Hydrogen Energy*, **2021**, 46, 2804-2823	6.7	2
1	CNG und LNG aus biogenen Reststoffen – ein Konzept zur ressourcenschonenden Kraftstoffproduktion. *Chemie-Ingenieur-Technik*, **2020**, 92, 144-155	0.8	