Antonio Grimalt-Alemany

List of Publications by Year
in descending order

11 papers	300 citations	1040056 9 h-index	1281871 11 g-index

11 all docs	11 docs citations	11 times ranked	181 citing authors

#	Article	IF	Citations
1	Shaping an Open Microbiome for Butanol Production through Process Control. Fermentation, 2022, 8, 333.	3.0	1
2	Gas Biological Conversions: The Potential of Syngas and Carbon Dioxide as Production Platforms. Waste and Biomass Valorization, 2021, 12, 5303-5328.	3.4	23
3	Carbon Sequestration Through Syngas Biomethanation Coupled with H2 Supply for a Clean Production of Natural Gas Grade Biomethane. Waste and Biomass Valorization, 2021, 12, 6005-6019.	3.4	14
4	Scale up study of a thermophilic trickle bed reactor performing syngas biomethanation. Applied Energy, 2021, 290, 116771.	10.1	25
5	ORP control for boosting ethanol productivity in gas fermentation systems and dynamics of redox cofactor NADH/NAD+ under oxidative stress. Journal of CO2 Utilization, 2021, 50, 101589.	6.8	10
6	Enrichment of Mesophilic and Thermophilic Mixed Microbial Consortia for Syngas Biomethanation: The Role of Kinetic and Thermodynamic Competition. Waste and Biomass Valorization, 2020, 11, 465-481.	3.4	37
7	Temperature effects on syngas biomethanation performed in a trickle bed reactor. Chemical Engineering Journal, 2020, 393, 124739.	12.7	43
8	Modeling of syngas biomethanation and catabolic route control in mesophilic and thermophilic mixed microbial consortia. Applied Energy, 2020, 262, 114502.	10.1	20
9	Cryopreservation and fast recovery of enriched syngas-converting microbial communities. Water Research, 2020, 177, 115747.	11.3	11
10	Syngas biomethanation: stateâ€ofâ€theâ€art review and perspectives. Biofuels, Bioproducts and Biorefining, 2018, 12, 139-158.	3.7	84
11	Enrichment of syngas-converting mixed microbial consortia for ethanol production and thermodynamics-based design of enrichment strategies. Biotechnology for Biofuels, 2018, 11, 198.	6.2	32