

Grigorios Pantoleonos

List of Publications by Year in descending order

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18
papers

463
citations

932766

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887659

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all docs

19
docs citations

19
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	Solutions of the mass continuity equation in hollow fibers for fully developed flow with some notes on the Leveque correlation. Carbon Capture Science & Technology, 2022, 2, 100027.	4.9	0
2	Development of H ₂ selective silica membranes: Performance evaluation through single gas permeation and gas separation tests. Separation and Purification Technology, 2021, 264, 118432.	3.9	11
3	Development of transportation cost functions and optimization of transportation networks for solar-aided utilization of CO ₂ . International Journal of Greenhouse Gas Control, 2021, 112, 103528.	2.3	1
4	Transportation and solar-aided utilization of CO ₂ : Technoeconomic analysis of spanning routes of CO ₂ conversion to solar fuels. Journal of CO ₂ Utilization, 2019, 30, 142-157.	3.3	13
5	Dynamic simulation and optimal heat management policy of a coupled solar reforming-heat storage process. Chemical Engineering Research and Design, 2018, 131, 600-616.	2.7	5
6	Development of a robust and efficient biogas processor for hydrogen production. Part 2: Experimental campaign. International Journal of Hydrogen Energy, 2018, 43, 161-177.	3.8	11
7	Modelling, simulation, and membrane wetting estimation in gas-liquid contacting processes. Canadian Journal of Chemical Engineering, 2017, 95, 1352-1363.	0.9	4
8	Analysis of CO ₂ transport including impurities for the optimization of point-to-point pipeline networks for integration into future solar fuel plants. International Journal of Greenhouse Gas Control, 2017, 66, 10-24.	2.3	8
9	Development of a robust and efficient biogas processor for hydrogen production. Part 1: Modelling and simulation. International Journal of Hydrogen Energy, 2017, 42, 22841-22855.	3.8	18
10	A Heterogeneous Multiscale Dynamic Model for Simulation of Catalytic Reforming Reactors. International Journal of Chemical Kinetics, 2016, 48, 239-252.	1.0	11
11	Pilot tests of CO ₂ capture in brick production industry using gas-liquid contact membranes. International Journal of Energy and Environmental Engineering, 2016, 7, 61-68.	1.3	6
12	Preparation and Characterization of Novel Titania-Modified Ceramic Membranes. Procedia Engineering, 2012, 44, 908-909.	1.2	1
13	A heterogeneous dynamic model for the simulation and optimisation of the steam methane reforming reactor. International Journal of Hydrogen Energy, 2012, 37, 16346-16358.	3.8	90
14	Gas Separation Properties of Polyimide-Zeolite Mixed Matrix Membranes. Separation Science and Technology, 2012, 47, 950-962.	1.3	47
15	Preparation of highly selective silica membranes on defect-free γ -Al ₂ O ₃ membranes using a low temperature CVI technique. Microporous and Mesoporous Materials, 2010, 132, 276-281.	2.2	15
16	ANALYTICAL AND NUMERICAL SOLUTIONS OF THE MASS CONTINUITY EQUATION IN THE LUMEN SIDE OF A HOLLOW-FIBER MEMBRANE CONTACTOR WITH LINEAR OR NONLINEAR BOUNDARY CONDITIONS. Chemical Engineering Communications, 2010, 197, 709-732.	1.5	10
17	A global optimization study on the devolatilisation kinetics of coal, biomass and waste fuels. Fuel Processing Technology, 2009, 90, 762-769.	3.7	30
18	Kinetic studies of elemental mercury adsorption in activated carbon fixed bed reactor. Journal of Hazardous Materials, 2008, 158, 1-13.	6.5	181