

# Grigorios Pantoleonos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1516871/publications.pdf>

Version: 2024-02-01

18  
papers

463  
citations

932766

10  
h-index

887659

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic studies of elemental mercury adsorption in activated carbon fixed bed reactor. Journal of Hazardous Materials, 2008, 158, 1-13.	6.5	181
2	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
3	Gas Separation Properties of Polyimide-Zeolite Mixed Matrix Membranes. Separation Science and Technology, 2012, 47, 950-962.	1.3	47
4	A global optimization study on the devolatilisation kinetics of coal, biomass and waste fuels. Fuel Processing Technology, 2009, 90, 762-769.	3.7	30
5	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
6	Preparation of highly selective silica membranes on defect-free $\gamma$ -Al <sub>2</sub> O <sub>3</sub> membranes using a low temperature CVI technique. Microporous and Mesoporous Materials, 2010, 132, 276-281.	2.2	15
7	Transportation and solar-aided utilization of CO <sub>2</sub> : Technoeconomic analysis of spanning routes of CO <sub>2</sub> conversion to solar fuels. Journal of CO <sub>2</sub> Utilization, 2019, 30, 142-157.	3.3	13
8	A Heterogeneous Multiscale Dynamic Model for Simulation of Catalytic Reforming Reactors. International Journal of Chemical Kinetics, 2016, 48, 239-252.	1.0	11
9	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
10	Development of H <sub>2</sub> selective silica membranes: Performance evaluation through single gas permeation and gas separation tests. Separation and Purification Technology, 2021, 264, 118432.	3.9	11
11	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
12	Analysis of CO <sub>2</sub> 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
13	Pilot tests of CO <sub>2</sub> capture in brick production industry using gas-liquid contact membranes. International Journal of Energy and Environmental Engineering, 2016, 7, 61-68.	1.3	6
14	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
15	Modelling, simulation, and membrane wetting estimation in gas-liquid contacting processes. Canadian Journal of Chemical Engineering, 2017, 95, 1352-1363.	0.9	4
16	Preparation and Characterization of Novel Titania-Modified Ceramic Membranes. Procedia Engineering, 2012, 44, 908-909.	1.2	1
17	Development of transportation cost functions and optimization of transportation networks for solar-aided utilization of CO <sub>2</sub> . International Journal of Greenhouse Gas Control, 2021, 112, 103528.	2.3	1
18	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