

# Filipe V S Lopes

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,138  
citations

471371

17  
h-index

794469

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. Environmental Science and Pollution Research, 2017, 24, 6372-6381.	2.7	40
2	Evaluation of a solar/UV annular pilot scale reactor for 24h continuous photocatalytic oxidation of n-decane. Chemical Engineering Journal, 2015, 280, 409-416.	6.6	30
3	Solar photocatalytic gas-phase degradation of n-decane—a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO2 films. Environmental Science and Pollution Research, 2015, 22, 820-832.	2.7	11
4	Are TiO2-based exterior paints useful catalysts for gas-phase photooxidation processes? A case study on n-decane abatement for air detoxification. Applied Catalysis B: Environmental, 2014, 147, 988-999.	10.8	47
5	Zeolite Apgiia for Adsorption Based Carbon Dioxide Capture. Separation Science and Technology, 2013, 48, 388-402.	1.3	10
6	Perchloroethylene gas-phase degradation over titania-coated transparent monoliths. Applied Catalysis B: Environmental, 2013, 140-141, 444-456.	10.8	32
7	Assessment of indoor airborne contamination in a wastewater treatment plant. Environmental Monitoring and Assessment, 2013, 185, 59-72.	1.3	34
8	Insights into UV-TiO2 photocatalytic degradation of PCE for air decontamination systems. Chemical Engineering Journal, 2012, 204-206, 244-257.	6.6	33
9	Fast-cycling VPSA for hydrogen purification. Fuel, 2012, 93, 510-523.	3.4	41
10	Activated carbon for hydrogen purification by pressure swing adsorption: Multicomponent breakthrough curves and PSA performance. Chemical Engineering Science, 2011, 66, 303-317.	1.9	164
11	Effect of Ion Exchange on the Adsorption of Steam Methane Reforming Off-Gases on Zeolite 13X. Journal of Chemical & Engineering Data, 2010, 55, 184-195.	1.0	21
12	Four beds pressure swing adsorption for hydrogen purification: Case of humid feed and activated carbon beds. AIChE Journal, 2009, 55, 2292-2302.	1.8	48
13	Adsorption of small molecules on alkali-earth modified titanosilicates. Microporous and Mesoporous Materials, 2009, 121, 114-120.	2.2	30
14	Adsorption of H <sub>2</sub> , CO <sub>2</sub> , CH <sub>4</sub> , CO, N <sub>2</sub> and H <sub>2</sub> O in Activated Carbon and Zeolite for Hydrogen Production. Separation Science and Technology, 2009, 44, 1045-1073.	1.3	158
15	Enhancing Capacity of Activated Carbons for Hydrogen Purification. Industrial & Engineering Chemistry Research, 2009, 48, 3978-3990.	1.8	29
16	A parametric study of layered bed PSA for hydrogen purification. Chemical Engineering Science, 2008, 63, 5258-5273.	1.9	188
17	Adsorption of CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> in Activated Carbon Honeycomb Monolith. Journal of Chemical & Engineering Data, 2008, 53, 2311-2317.	1.0	114
18	Adsorption of Off-Gases from Steam Methane Reforming (H <sub>2</sub> , CO <sub>2</sub> ,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 2008, 43, 1338-1364.	1.3	81

#	ARTICLE	IF	CITATIONS
19	Approach Suitable for Screening Estimation Methods for Critical Properties of Heavy Compounds. Industrial & Engineering Chemistry Research, 2006, 45, 476-480.	1.8	27