

Filipe V S Lopes

List of Publications by Year in descending order

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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	A parametric study of layered bed PSA for hydrogen purification. Chemical Engineering Science, 2008, 63, 5258-5273.	1.9	188
2	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
3	Adsorption of H ₂ , CO ₂ , CH ₄ , CO, N ₂ and H ₂ O in Activated Carbon and Zeolite for Hydrogen Production. Separation Science and Technology, 2009, 44, 1045-1073.	1.3	158
4	Adsorption of CO ₂ , CH ₄ , and N ₂ in Activated Carbon Honeycomb Monolith. Journal of Chemical & Engineering Data, 2008, 53, 2311-2317.	1.0	114
5	Adsorption of Off-Gases from Steam Methane Reforming (H ₂ , CO ₂) Tj ETQq1 1 0.784314 rgBT /Overlock 2008, 43, 1338-1364.	1.3	81
6	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
7	Are TiO ₂ -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
8	Fast-cycling VPSA for hydrogen purification. Fuel, 2012, 93, 510-523.	3.4	41
9	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
10	Assessment of indoor airborne contamination in a wastewater treatment plant. Environmental Monitoring and Assessment, 2013, 185, 59-72.	1.3	34
11	Insights into UV-TiO ₂ photocatalytic degradation of PCE for air decontamination systems. Chemical Engineering Journal, 2012, 204-206, 244-257.	6.6	33
12	Perchloroethylene gas-phase degradation over titania-coated transparent monoliths. Applied Catalysis B: Environmental, 2013, 140-141, 444-456.	10.8	32
13	Adsorption of small molecules on alkali-earth modified titanosilicates. Microporous and Mesoporous Materials, 2009, 121, 114-120.	2.2	30
14	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
15	Enhancing Capacity of Activated Carbons for Hydrogen Purification. Industrial & Engineering Chemistry Research, 2009, 48, 3978-3990.	1.8	29
16	Approach Suitable for Screening Estimation Methods for Critical Properties of Heavy Compounds. Industrial & Engineering Chemistry Research, 2006, 45, 476-480.	1.8	27
17	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
18	Solar photocatalytic gas-phase degradation of n-decane—a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO ₂ films. Environmental Science and Pollution Research, 2015, 22, 820-832.	2.7	11

#	ARTICLE	IF	CITATIONS
19	Zeolite Appia for Adsorption Based Carbon Dioxide Capture. Separation Science and Technology, 2013, 48, 388-402.	1.3	10