James P Olivier

List of Publications by Citations

14 papers	9,011 citations	12 h-index	14 g-index
14 ext. papers	11,327 ext. citations	4.1 avg, IF	6.35 L-index

#	Paper	IF	Citations
14	Physisorption of gases, with special reference to the evaluation of surface area and pore size distribution (IUPAC Technical Report). *Pure and Applied Chemistry*, **2015**, 87, 1051-1069	2.1	7465
13	Modeling physical adsorption on porous and nonporous solids using density functional theory. *Journal of Porous Materials*, **1995**, 2, 9-17	2.4	369
12	2D-NLDFT adsorption models for carbon slit-shaped pores with surface energetical heterogeneity and geometrical corrugation. *Carbon*, **2013**, 55, 70-80	10.4	346
11	Improving the models used for calculating the size distribution of micropore volume of activated carbons from adsorption data. *Carbon*, **1998**, 36, 1469-1472	10.4	255
10	Carbon slit pore model incorporating surface energetical heterogeneity and geometrical corrugation. *Adsorption*, **2013**, 19, 777-783	2.6	223
9	A Simple Two-Dimensional NLDFT Model of Gas Adsorption in Finite Carbon Pores. Application to Pore Structure Analysis. *Journal of Physical Chemistry C*, **2009**, 113, 19382-19385	3.8	140
8	Surface Area and Microporosity of a Pillared Interlayered Clay (PILC) from a Hybrid Density Functional Theory (DFT) Method. *Journal of Physical Chemistry B*, **2001**, 105, 623-629	3.4	52
7	A new method for the accurate pore size analysis of MCM-41 and other silica based mesoporous materials. *Studies in Surface Science and Catalysis*, **2000**, 71-80	1.8	43
6	Determination of Pore Size Distribution, Surface Area, and Acidity in Fluid Cracking Catalysts (FCCs) from Nonlocal Density Functional Theoretical Models of Adsorption and from Microcalorimetry Methods. *Journal of Physical Chemistry B*, **2003**, 107, 4128-4136	3.4	40
5	Surface area and microporosity of pillared rectorite catalysts from a hybrid density functional theory method. *Microporous and Mesoporous Materials*, **2003**, 57, 291-296	5.3	36
4	Using a New Finite Slit Pore Model for NLDFT Analysis of Carbon Pore Structure. *Adsorption Science and Technology*, **2011**, 29, 769-780	3.6	22
3	The Determination of Surface Energetic Heterogeneity Using Model Isotherms Calculated by Density Functional Theory. *Kluwer International Series in Engineering and Computer Science*, **1996**, 699-707		13
2	The Surface Heterogeneity of Carbon and Its Assessment **2008**, 147-166		5
1	An overview of physical adsorption methods for the characterization of finely divided and porous materials and their application to fluid cracking catalysts. *Studies in Surface Science and Catalysis*, **2004**, 1-33	1.8	2