

James P Olivier

List of Publications by Year in descending order

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14
papers

13,923
citations

759233

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1125743

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14
all docs

14
docs citations

14
times ranked

15615
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.9	12,159
2	2D-NLDFT adsorption models for carbon slit-shaped pores with surface energetical heterogeneity and geometrical corrugation. Carbon, 2013, 55, 70-80.	10.3	440
3	Modeling physical adsorption on porous and nonporous solids using density functional theory. Journal of Porous Materials, 1995, 2, 9-17.	2.6	399
4	Carbon slit pore model incorporating surface energetical heterogeneity and geometrical corrugation. Adsorption, 2013, 19, 777-783.	3.0	272
5	Improving the models used for calculating the size distribution of micropore volume of activated carbons from adsorption data. Carbon, 1998, 36, 1469-1472.	10.3	268
6	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.	3.1	156
7	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.	2.6	53
8	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.	1.5	46
9	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.	2.6	42
10	Surface area and microporosity of pillared rectorite catalysts from a hybrid density functional theory method. Microporous and Mesoporous Materials, 2003, 57, 291-296.	4.4	37
11	Using a New Finite Slit Pore Model for NLDFT Analysis of Carbon Pore Structure. Adsorption Science and Technology, 2011, 29, 769-780.	3.2	24
12	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.	0.2	18
13	The Surface Heterogeneity of Carbon and Its Assessment. , 2008, , 147-166.		5
14	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.	1.5	4