

James P Olivier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12096824/publications.pdf>

Version: 2024-02-01

14
papers

13,923
citations

759055

12
h-index

1125617

13
g-index

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). <i>Pure and Applied Chemistry</i> , 2015, 87, 1051-1069.	0.9	12,159
2	2D-NLDFT adsorption models for carbon slit-shaped pores with surface energetical heterogeneity and geometrical corrugation. <i>Carbon</i> , 2013, 55, 70-80.	5.4	440
3	Modeling physical adsorption on porous and nonporous solids using density functional theory. <i>Journal of Porous Materials</i> , 1995, 2, 9-17.	1.3	399
4	Carbon slit pore model incorporating surface energetical heterogeneity and geometrical corrugation. <i>Adsorption</i> , 2013, 19, 777-783.	1.4	272
5	Improving the models used for calculating the size distribution of micropore volume of activated carbons from adsorption data. <i>Carbon</i> , 1998, 36, 1469-1472.	5.4	268
6	A Simple Two-Dimensional NLDFT Model of Gas Adsorption in Finite Carbon Pores. Application to Pore Structure Analysis. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19382-19385.	1.5	156
7	Surface Area and Microporosity of a Pillared Interlayered Clay (PILC) from a Hybrid Density Functional Theory (DFT) Method. <i>Journal of Physical Chemistry B</i> , 2001, 105, 623-629.	1.2	53
8	A new method for the accurate pore size analysis of MCM-41 and other silica based mesoporous materials. <i>Studies in Surface Science and Catalysis</i> , 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. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4128-4136.	1.2	42
10	Surface area and microporosity of pillared rectorite catalysts from a hybrid density functional theory method. <i>Microporous and Mesoporous Materials</i> , 2003, 57, 291-296.	2.2	37
11	Using a New Finite Slit Pore Model for NLDFT Analysis of Carbon Pore Structure. <i>Adsorption Science and Technology</i> , 2011, 29, 769-780.	1.5	24
12	The Determination of Surface Energetic Heterogeneity Using Model Isotherms Calculated by Density Functional Theory. <i>Kluwer International Series in Engineering and Computer Science</i> , 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. <i>Studies in Surface Science and Catalysis</i> , 2004, , 1-33.	1.5	4