

Andr s Dallos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8883890/publications.pdf>

Version: 2024-02-01

25
papers

493
citations

567281

15
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of Hansen solubility parameters using multivariate nonlinear QSPR modeling with COSMO screening charge density moments. <i>Fluid Phase Equilibria</i> , 2011, 309, 8-14.	2.5	56
2	Introducing a New Potential Figure of Merit for Evaluating Microstructure Stability in Photovoltaic Polymer-Fullerene Blends. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18153-18161.	3.1	52
3	Combined Computational Approach Based on Density Functional Theory and Artificial Neural Networks for Predicting The Solubility Parameters of Fullerenes. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4431-4438.	2.6	43
4	Field desorption mass spectrometry of large multiply branched saturated Hydrocarbons. <i>Journal of Mass Spectrometry</i> , 2001, 36, 522-528.	1.6	34
5	Surface characterization of standard cotton fibres and determination of adsorption isotherms of fragrances by IGC. <i>Surface and Interface Analysis</i> , 2015, 47, 1040-1050.	1.8	30
6	Controlling ion transport through nanopores: modeling transistor behavior. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24156-24167.	2.8	24
7	Temperature dependent surface tension estimation using COSMO-RS sigma moments. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2867-2872.	5.6	23
8	Mass spectrometry of very large saturated hydrocarbons. <i>Journal of Mass Spectrometry</i> , 1999, 34, 264-267.	1.6	21
9	Structural and energetical characterization of exfoliated kaolinite surfaces. <i>Applied Clay Science</i> , 2016, 124-125, 54-61.	5.2	21
10	Pair-wise interactions by gas chromatography. <i>Journal of Chromatography A</i> , 2000, 904, 211-242.	3.7	17
11	Adsorption isotherms of some alkyl aromatic hydrocarbons and surface energies on partially dealuminated Y faujasite zeolite by inverse gas chromatography. <i>Journal of Chromatography A</i> , 2014, 1362, 250-261.	3.7	17
12	Modeling ethanol-blended gasoline droplet evaporation using COSMO-RS theory and computation fluid dynamics. <i>International Journal of Heat and Mass Transfer</i> , 2015, 84, 1019-1029.	4.8	17
13	Simulation of a model nanopore sensor: Ion competition underlies device behavior. <i>Journal of Chemical Physics</i> , 2017, 147, 244702.	3.0	17
14	A novel method for the surface tension estimation of ionic liquids based on COSMO-RS theory. <i>Fluid Phase Equilibria</i> , 2018, 468, 9-17.	2.5	17
15	Cluster and principal component analysis for Kováts™ retention indices on apolar and polar stationary phases in gas chromatography. <i>Journal of Chromatography A</i> , 2008, 1177, 175-182.	3.7	16
16	Solvation parameters. <i>Journal of Chromatography A</i> , 2005, 1100, 90-107.	3.7	14
17	Analysis of Deoxynivalenol, Nivalenol, Zearalenone in Food by LC-APCI-MS. <i>Chromatographia</i> , 2011, 73, 171-174.	1.3	11
18	Liquid-liquid and vapour-liquid equilibrium data and calculations for the system aniline + water in the presence of NaCl, NaI, NH ₄ Cl and NH ₄ I. <i>Fluid Phase Equilibria</i> , 1983, 11, 91-102.	2.5	10

#	ARTICLE	IF	CITATIONS
19	COSMO-RS based CFD model for flat surface evaporation of non-ideal liquid mixtures. International Journal of Heat and Mass Transfer, 2011, 54, 4630-4635.	4.8	10
20	Quantitative characterization of plasma treated PDMS microfluidic substrates by inverse gas chromatography. Sensors and Actuators B: Chemical, 2018, 258, 1184-1190.	7.8	9
21	Solvation properties and limiting activity coefficients of halogenated hydrocarbons in C78H158 branched saturated alkane solvent. Fluid Phase Equilibria, 2003, 210, 57-67.	2.5	7
22	Prediction of Activity Coefficients in Low-Molecular-Weight Paraffins from Gas Chromatographic Data. Analytical Chemistry, 1999, 71, 3503-3512.	6.5	6
23	CALCULATION OF ESSENTIAL INPUT PARAMETERS FOR ESTIMATING THE EVAPORATION OF MULTICOMPONENT LIQUID DROPLETS. Interfacial Phenomena and Heat Transfer, 2013, 1, 259-272.	0.8	5
24	Comparison of the Effects of Thermal Pretreatment, Steam Explosion and Ultrasonic Disintegration on Digestibility of Corn Stover. Journal of Sustainable Development of Energy, Water and Environment Systems, 2016, 4, 107-126.	1.9	5
25	Infinite dilution activity coefficients, specific retention volumes and solvation thermodynamics of hydrocarbons in C78H158 branched alkane solvent. Fluid Phase Equilibria, 2006, 248, 78-88.	2.5	4