AndrÃ¡s Dallos

List of Publications by Year
in descending order

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25	493	567281	677142
papers	citations	15 h-index	22 g-index

27	27	27	730
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel method for the surface tension estimation of ionic liquids based on COSMO-RS theory. Fluid Phase Equilibria, 2018, 468, 9-17.	2.5	17
2	Quantitative characterization of plasma treated PDMS microfluidic substrates by inverse gas chromatography. Sensors and Actuators B: Chemical, 2018, 258, 1184-1190.	7.8	9
3	Controlling ion transport through nanopores: modeling transistor behavior. Physical Chemistry Chemical Physics, 2018, 20, 24156-24167.	2.8	24
4	Introducing a New Potential Figure of Merit for Evaluating Microstructure Stability in Photovoltaic Polymer-Fullerene Blends. Journal of Physical Chemistry C, 2017, 121, 18153-18161.	3.1	52
5	Simulation of a model nanopore sensor: Ion competition underlies device behavior. Journal of Chemical Physics, 2017, 147, 244702.	3.0	17
6	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
7	Combined Computational Approach Based on Density Functional Theory and Artificial Neural Networks for Predicting The Solubility Parameters of Fullerenes. Journal of Physical Chemistry B, 2016, 120, 4431-4438.	2.6	43
8	Structural and energetical characterization of exfoliated kaolinite surfaces. Applied Clay Science, 2016, 124-125, 54-61.	5.2	21
9	Surface characterization of standard cotton fibres and determination of adsorption isotherms of fragrances by IGC. Surface and Interface Analysis, 2015, 47, 1040-1050.	1.8	30
10	Modeling ethanolâ€“blended gasoline droplet evaporation using COSMO-RS theory and computation fluid dynamics. International Journal of Heat and Mass Transfer, 2015, 84, 1019-1029.	4.8	17
11	Adsorption isotherms of some alkyl aromatic hydrocarbons and surface energies on partially dealuminated Y faujasite zeolite by inverse gas chromatography. Journal of Chromatography A, 2014, 1362, 250-261.	3.7	17
12	Temperature dependent surface tension estimation using COSMO-RS sigma moments. Chemical Engineering Research and Design, 2014, 92, 2867-2872.	5.6	23
13	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
14	Estimation of Hansen solubility parameters using multivariate nonlinear QSPR modeling with COSMO screening charge density moments. Fluid Phase Equilibria, 2011, 309, 8-14.	2.5	56
15	Analysis of Deoxynivalenol, Nivalenol, Zearalenone in Food by LCâ€“APCIâ€“MS. Chromatographia, 2011, 73, 171-174.	1.3	11
16	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
17	Cluster and principal component analysis for KovÃ¡tsâ€™ retention indices on apolar and polar stationary phases in gas chromatography. Journal of Chromatography A, 2008, 1177, 175-182.	3.7	16
18	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

#	Article	IF	Citations
19	Solvation parameters. Journal of Chromatography A, 2005, 1100, 90-107.	3.7	14
20	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
21	Field desorption mass spectrometry of large multiply branched saturated Hydrocarbons. Journal of Mass Spectrometry, 2001, 36, 522-528.	1.6	34
22	Pair-wise interactions by gas chromatography. Journal of Chromatography A, 2000, 904, 211-242.	3.7	17
23	Mass spectrometry of very large saturated hydrocarbons. Journal of Mass Spectrometry, 1999, 34, 264-267.	1.6	21
24	Prediction of Activity Coefficients in Low-Molecular-Weight Paraffins from Gas Chromatographic Data. Analytical Chemistry, 1999, 71, 3503-3512.	6.5	6
25	Liquidâ€"liquid and vapourâ€"liquid equilibrium data and calculations for the system aniline + water in the presence of NaCl, NaI, NH4Cl and NH4I. Fluid Phase Equilibria, 1983, 11, 91-102.	2.5	10