

Xavier Subirats

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

748
citations

516710

16
h-index

552781

26
g-index

41
all docs

41
docs citations

41
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced voltammetric performance of sensors based on oxidized 2D layered black phosphorus. <i>Talanta</i> , 2022, 238, 123036.	5.5	3
2	Solute-Solvent Interactions in Hydrophilic Interaction Liquid Chromatography: Characterization of the Retention in a Silica Column by the Abraham Linear Free Energy Relationship Model. <i>Journal of Solution Chemistry</i> , 2022, 51, 1081-1100.	1.2	6
3	Ionizable Drug Self-Associations and the Solubility Dependence on pH: Detection of Aggregates in Saturated Solutions Using Mass Spectrometry (ESI-Q-TOF-MS/MS). <i>Molecular Pharmaceutics</i> , 2021, 18, 2311-2321.	4.6	9
4	Volume and composition of semi-adsorbed stationary phases in hydrophilic interaction liquid chromatography. Comparison of water adsorption in common stationary phases and eluents. <i>Journal of Chromatography A</i> , 2021, 1656, 462543.	3.7	8
5	Octanol-Water Partition Constant. , 2020, , 183-208.		36
6	HILIC characterization: Estimation of phase volumes and composition for a zwitterionic column. <i>Analytica Chimica Acta</i> , 2020, 1130, 39-48.	5.4	15
7	Capillary electrophoresis for drug analysis and physicochemical characterization. <i>Handbook of Analytical Separations</i> , 2020, , 633-666.	0.8	5
8	Potentiometric CheqSol and standardized shake-flask solubility methods are complimentary tools in physicochemical profiling. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 148, 105305.	4.0	2
9	Characterization of hydrophilic interaction liquid chromatography retention by a linear free energy relationship. Comparison to reversed- and normal-phase retentions. <i>Analytica Chimica Acta</i> , 2019, 1092, 132-143.	5.4	26
10	New discrimination tools for harvest year and varieties of white wines based on hydrophilic interaction liquid chromatography with amperometric detection. <i>Talanta</i> , 2019, 201, 104-110.	5.5	10
11	Retention-pH profiles of acids and bases in hydrophilic interaction liquid chromatography. <i>Analytica Chimica Acta</i> , 2019, 1050, 176-184.	5.4	18
12	Critical comparison of shake-flask, potentiometric and chromatographic methods for lipophilicity evaluation (log P o/w) of neutral, acidic, basic, amphoteric, and zwitterionic drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 331-340.	4.0	21
13	Chasing the elusive hold-up time from an LFER approach. <i>Journal of Chromatography A</i> , 2018, 1571, 176-184.	3.7	11
14	Revisiting blood-brain barrier: A chromatographic approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 98-109.	2.8	9
15	Lipophilicity of amphoteric and zwitterionic compounds: A comparative study of determination methods. <i>Talanta</i> , 2017, 162, 293-299.	5.5	20
16	Solubility-pH profiles of a free base and its salt: sibutramine as a case study. <i>ADMET and DMPK</i> , 2017, 5, 253-256.	2.1	2
17	Phenothiazines solution complexity - Determination of pKa and solubility-pH profiles exhibiting sub-micellar aggregation at 25 and 37°C. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 163-176.	4.0	15
18	Microemulsion electrokinetic chromatography as a suitable tool for lipophilicity determination of acidic, neutral, and basic compounds. <i>Electrophoresis</i> , 2016, 37, 2010-2016.	2.4	11

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19	High-throughput logPo/w determination from UHPLC measurements: Revisiting the chromatographic hydrophobicity index. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 26-31.	2.8	9
20	Buffers for Reversed-Phase Liquid Chromatography. <i>J. Chromatogr. A</i> , 2015, 1382, 1-10.		0
21	Methods for pKa Determination (II): Sparingly Soluble Compounds and High-Throughput Approaches. <i>J. Chromatogr. A</i> , 2015, 1382, 11-20.		2
22	Methods for pKa Determination (I): Potentiometry, Spectrophotometry, and Capillary Electrophoresis. <i>J. Chromatogr. A</i> , 2015, 1382, 21-30.		3
23	Capillary Electrophoresis, Gas-Phase Electrophoretic Mobility Molecular Analysis, and Electron Microscopy: Effective Tools for Quality Assessment and Basic Rhinovirus Research. <i>Methods in Molecular Biology</i> , 2015, 1221, 101-128.	0.9	9
24	High throughput determination log Po/w/pKa/log Do/w of drugs by combination of UHPLC and CE methods. <i>ADMET and DMPK</i> , 2014, 2, 1-10.	2.1	5
25	Viral Uncoating Is Directional: Exit of the Genomic RNA in a Common Cold Virus Starts with the Poly-(A) Tail at the 3'-End. <i>PLoS Pathogens</i> , 2013, 9, e1003270.	4.7	43
26	Characterization of rhinovirus subviral A particles via capillary electrophoresis, electron microscopy and gas phase electrophoretic mobility molecular analysis: Part II. <i>Electrophoresis</i> , 2013, 34, 1600-1609.	2.4	10
27	Characterization of rhinovirus subviral A particles via capillary electrophoresis, electron microscopy and gas phase electrophoretic mobility molecular analysis: Part I. <i>Electrophoresis</i> , 2012, 33, 1833-1841.	2.4	23
28	Recent developments in capillary and chip electrophoresis of bioparticles: Viruses, organelles, and cells. <i>Electrophoresis</i> , 2011, 32, 1579-1590.	2.4	34
29	Liposomal Nanocontainers as Models for Viral Infection: Monitoring Viral Genomic RNA Transfer through Lipid Membranes. <i>Journal of Virology</i> , 2011, 85, 8368-8375.	3.4	26
30	Liposomal Leakage Induced by Virus-Derived Peptides, Viral Proteins, and Entire Virions: Rapid Analysis by Chip Electrophoresis. <i>Analytical Chemistry</i> , 2010, 82, 8146-8152.	6.5	9
31	Retention models for ionizable compounds in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 1756-1775.	3.7	62
32	Retention of ionisable compounds on high-performance liquid chromatography XVIII: pH variation in mobile phases containing formic acid, piperazine, tris, boric acid or carbonate as buffering systems and acetonitrile as organic modifier. <i>Journal of Chromatography A</i> , 2009, 1216, 2491-2498.	3.7	22
33	Retention of ionisable compounds on high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 5445-5448.	3.7	10
34	On the Effect of Organic Solvent Composition on the pH of Buffered HPLC Mobile Phases and the pKa of Analytes: A Review. <i>Separation and Purification Reviews</i> , 2007, 36, 231-255.	5.5	104
35	Retention of ionisable compounds on high-performance liquid chromatography XVII. <i>Journal of Chromatography A</i> , 2007, 1138, 203-215.	3.7	35
36	Retention of ionisable compounds on high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1121, 170-177.	3.7	31

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37	Nitromethane as solvent in capillary electrophoresis. Journal of Chromatography A, 2005, 1079, 246-253.	3.7	22
38	Comparison of methanol and acetonitrile as solvents for the separation of sertindole and its major metabolites by capillary zone electrophoresis. Electrophoresis, 2005, 26, 3315-3324.	2.4	20
39	Retention of ionisable compounds on high-performance liquid chromatography. Journal of Chromatography A, 2004, 1059, 33-42.	3.7	40
40	Lipophilicity determination of acidic compounds: MEEKC as a reliable high-throughput methodology. ADMET and DMPK, 0, , .	2.1	0