Elisabeth Bosch

List of Publications by Year
in descending order

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175	7,649	41344	64796
papers	citations	49 h-index	79 g-index

177	177	177	5287
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Critical micelle concentration of surfactants in aqueous buffered and unbuffered systems. Analytica Chimica Acta, 2005, 548, 95-100.	5.4	317
2	Dissociation constants of neutral and charged acids in methyl alcohol. The acid strength resolution. Analytica Chimica Acta, 1998, 374, 309-324.	5.4	223
3	Solute-solvent and solvent-solvent interactions in binary solvent mixtures. Part 7. Comparison of the enhancement of the water structure in alcohol-water mixtures measured by solvatochromic indicators. Journal of Physical Organic Chemistry, 1998, 11, 185-192.	1.9	199
4	Comparison of the acidity of residual silanol groups in several liquid chromatography columns. Journal of Chromatography A, 2003, 986, 33-44.	3.7	196
5	Soluteâ€“solvent and solventâ€“solvent interactions in binary solvent mixtures. Part 1. A comparison of several preferential solvation models for describing ET(30) polarity of bipolar hydrogen bond acceptor-cosolvent mixtures. Journal of the Chemical Society Perkin Transactions II, 1995, , 1607-1615.	0.9	195
6	Retention of Ionizable Compounds on HPLC. pH Scale in Methanolâ^'Water and the pK and pH Values of Buffers. Analytical Chemistry, 1996, 68, 3651-3657.	6.5	195
7	Determination of dissociation constants of flavonoids by capillary electrophoresis. Electrophoresis, 2005, 26, 1886-1895.	2.4	194
8	Retention of Ionizable Compounds on HPLC. 5. pH Scales and the Retention of Acids and Bases with Acetonitrileâ^'Water Mobile Phases. Analytical Chemistry, 2000, 72, 5193-5200.	6.5	166
9	Retention of Ionizable Compounds on HPLC. 4. Mobile-Phase pH Measurement in Methanol/Water. Analytical Chemistry, 2000, 72, 1802-1809.	6.5	162
10	Influence of mobile phase acidâ€“base equilibria on the chromatographic behaviour of protolytic compounds. Journal of Chromatography A, 2002, 982, 1-30.	3.7	144
11	Acidity in methanolâ€“water. Analytica Chimica Acta, 2001, 439, 315-333.	5.4	141
12	Potentiometric and spectrophotometric pKa determination of water-insoluble compounds: Validation study in a new cosolvent system. Analytica Chimica Acta, 2007, 583, 418-428.	5.4	141
13	Static Dielectric Constants of Acetonitrile/Water Mixtures at Different Temperatures and Debyeâ^'HÃ¼ckelAanda0BParameters for Activity Coefficients. Journal of Chemical & Engineering Data, 2007, 52, 1103-1107.	1.9	139
14	Setup and validation of shake-flask procedures for the determination of partition coefficients (logD) from low drug amounts. European Journal of Pharmaceutical Sciences, 2015, 76, 181-191.	4.0	139
15	Relationship between ETpolarity and composition in binary solvent mixtures. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 3541-3546.	1.7	123
16	Retention of Ionizable Compounds on HPLC. 2. Effect of pH, Ionic Strength, and Mobile Phase Composition on the Retention of Weak Acids. Analytical Chemistry, 1996, 68, 4094-4100.	6.5	123
17	Retention of ionizable compounds in high-performance liquid chromatography. Journal of Chromatography A, 2002, 964, 55-66.	3.7	115
18	On the Effect of Organic Solvent Composition on the pH of Buffered HPLC Mobile Phases and the pK_aof Analytesâ€”A Review. Separation and Purification Reviews, 2007, 36, 231-255.	5.5	104

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19	Soluteâ€“solvent and solventâ€“solvent interactions in binary solvent mixtures. Part 6. A quantitative measurement of the enhancement of the water structure in 2-methylpropan-2-olâ€“water and propan-2-olâ€“water mixtures by solvatochromic indicators. Journal of the Chemical Society Perkin Transactions II, 1997, , 1341-1348.	0.9	97
20	Retention of ionizable compounds on high-performance liquid chromatography. Journal of Chromatography A, 1998, 824, 137-146.	3.7	93
21	Retention of ionizable compounds on HPLC. 6. pH measurements with the glass electrode in methanolâ€“water mixtures. Journal of Chromatography A, 2001, 911, 191-202.	3.7	91
22	Soluteâ€“solvent and solventâ€“solvent interactions in binary solvent mixtures. Part 3. The ET(30) polarity of binary mixtures of hydroxylic solvents. Journal of the Chemical Society Perkin Transactions II, 1996, , 1497-1503.	0.9	85
23	Solute-solvent and solvent-solvent interactions in binary solvent mixtures. 2. Effect of temperature on theET(30) polarity parameter of dipolar hydrogen bond acceptor-hydrogen bond donor mixtures. Journal of Physical Organic Chemistry, 1996, 9, 403-410.	1.9	85
24	Retention of Ionizable Compounds on HPLC. 12. The Properties of Liquid Chromatography Buffers in Acetonitrileâ^'Water Mobile Phases That Influence HPLC Retention. Analytical Chemistry, 2002, 74, 3809-3818.	6.5	85
25	Soluteâ€“solvent interactions in micellar electrokinetic chromatography. Journal of Chromatography A, 2002, 942, 237-248.	3.7	85
26	Retention of Ionizable Compounds on HPLC. 8. Influence of Mobile-Phase pH Change on the Chromatographic Retention of Acids and Bases during Gradient Elution. Analytical Chemistry, 2001, 73, 4937-4945.	6.5	80
27	Equilibrium solubility measurement of ionizable drugs â€“ consensus recommendations for improving data quality. ADMET and DMPK, 2016, 4, 117.	2.1	78
28	Linear solvation energy relationships in reversed-phase liquid chromatography. Prediction of retention from a single solvent and a single solute parameter. Analytica Chimica Acta, 1993, 274, 147-162.	5.4	76
29	Acidâ^'Base Equilibria in Nonpolar Media. Absolute pKa Scale of Bases in Tetrahydrofuran. Journal of Organic Chemistry, 2006, 71, 9062-9067.	3.2	76
30	Î´Conversion Parameter between pH Scales (and) in Acetonitrile/Water Mixtures at Various Compositions and Temperatures. Analytical Chemistry, 2007, 79, 3180-3187.	6.5	74
31	Molecular interactions between warfarin and human (HSA) or bovine (BSA) serum albumin evaluated by isothermal titration calorimetry (ITC), fluorescence spectrometry (FS) and frontal analysis capillary electrophoresis (FA/CE). Journal of Pharmaceutical and Biomedical Analysis, 2018, 150, 452-459.	2.8	72
32	Linear description of solute retention in reversed-phase liquid chromatography by a new mobile phase polarity parameter. Analytica Chimica Acta, 1994, 299, 219-229.	5.4	68
33	Densities, Refractive Indices, Absolute Viscosities, and Static Dielectric Constants of 2-Methylpropan-2-ol + Hexane, + Benzene, + Propan-2-ol, + Methanol, + Ethanol, and + Water at 303.2 K. Journal of Chemical & Engineering Data, 1995, 40, 1111-1114.	1.9	67
34	Prediction of the retention in reversed-phase liquid chromatography using soluteâ€“mobile phaseâ€“stationary phase polarity parameters. Journal of Chromatography A, 2002, 955, 19-34.	3.7	66
35	Retention of ionizable compounds in high-performance liquid chromatography. Journal of Chromatography A, 2002, 947, 47-58.	3.7	65
36	Soluteâ€“solvent interactions in micellar electrokinetic chromatography. Journal of Chromatography A, 1999, 845, 217-226.	3.7	63

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37	Dissociation constants of phenols in methanolâ€“water mixtures. Journal of Chromatography A, 2000, 867, 45-56.	3.7	63
38	A comparison between different approaches to estimate the aqueous pKa values of several non-steroidal anti-inflammatory drugs. Analytica Chimica Acta, 1997, 338, 127-134.	5.4	62
39	Soluteâ€“solvent interactions in normal-phase liquid chromatography: a linear free-energy relationships study. Analytica Chimica Acta, 1999, 382, 301-308.	5.4	62
40	Retention models for ionizable compounds in reversed-phase liquid chromatography. Journal of Chromatography A, 2009, 1216, 1756-1775.	3.7	62
41	Effect of temperature on pH measurements and acidâ€“base equilibria in methanolâ€“water mixtures. Journal of Chromatography A, 2003, 1002, 41-53.	3.7	59
42	Molecular interactions between some non-steroidal anti-inflammatory drugs (NSAID×³s) and bovine (BSA) or human (HSA) serum albumin estimated by means of isothermal titration calorimetry (ITC) and frontal analysis capillary electrophoresis (FA/CE). Talanta, 2014, 130, 241-250.	5.5	59
43	Soluteâ€“solvent and solventâ€“solvent interactions in binary solvent mixtures. Part 4. Preferential solvation of solvatochromic indicators in mixtures of 2-methylpropan-2-ol with hexane, benzene, propan-2-ol, ethanol and methanol. Journal of the Chemical Society Perkin Transactions II, 1996, , 2177-2184.	0.9	57
44	Analysis of a solute polarity parameter in reversed-phase liquid chromatography on a linear solvation relationship basis. Analytica Chimica Acta, 2004, 515, 209-227.	5.4	56
45	Unique selectivity of perfluorinated stationary phases with 2,2,2-trifluoroethanol as organic mobile phase modifier. Journal of Chromatography A, 2001, 933, 73-81.	3.7	54
46	Critical evaluation of buffering solutions for pK_a determination by capillary electrophoresis. Electrophoresis, 2008, 29, 2841-2851.	2.4	54
47	Potentiometric determination of aqueous dissociation constants of flavonols sparingly soluble in water. Talanta, 2008, 74, 1008-1013.	5.5	54
48	Solubilityâ€“pH profiles of some acidic, basic and amphoteric drugs. European Journal of Pharmaceutical Sciences, 2013, 48, 291-300.	4.0	54
49	Variation of acidity constants and pH values of some organic acids in waterâ€”2-propanol mixtures with solvent composition. Effect of preferential solvation. Analytica Chimica Acta, 1995, 302, 109-119.	5.4	52
50	Retention of ionizable compounds on high-performance liquid chromatography. Journal of Chromatography A, 2002, 945, 83-96.	3.7	52
51	Selectivity of single, mixed, and modified pseudostationary phases in electrokinetic chromatography. Electrophoresis, 2006, 27, 1900-1914.	2.4	51
52	Soluteâ€“solvent and solventâ€“solvent interactions in binary solvent mixtures. Part 5. Preferential solvation of solvatochromic indicators in mixtures of propan-2-ol with hexane, benzene, ethanol and methanol. Journal of the Chemical Society Perkin Transactions II, 1997, , 243-248.	0.9	50
53	Effect of temperature on the chromatographic retention of ionizable compounds. Journal of Chromatography A, 2004, 1042, 23-36.	3.7	47
54	Interpretive optimisation strategy applied to the isocratic separation of phenols by reversed-phase liquid chromatography with acetonitrileâ€“water and methanolâ€“water mobile phases. Journal of Chromatography A, 2000, 886, 31-46.	3.7	46

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55	Solute-solvent interactions in micellar electrokinetic chromatography: IV. Characterization of electroosmotic flow and micellar markers. Electrophoresis, 2002, 23, 56.	2.4	45
56	Acidâ€“base constants of neutral bases in acetonitrileâ€“water mixtures. Analytica Chimica Acta, 2002, 454, 157-166.	5.4	45
57	A potentially simpler approach to measure aqueous pKa of insoluble basic drugs containing amino groups. Journal of Pharmaceutical Sciences, 2003, 92, 1473-1481.	3.3	44
58	Hammettâ€“Taft and Drago models in the prediction of acidity constant values of neutral and cationic acids in methanolâ€Šâ€. Journal of the Chemical Society Perkin Transactions II, 1999, , 1953-1958.	0.9	43
59	Acidity and Hydrophobicity of Several New Potential Antitubercular Drugs: Isoniazid and Benzimidazole Derivatives. Journal of Chemical & Engineering Data, 2012, 57, 330-338.	1.9	43
60	Considerations on the modelling and optimisation of resolution of ionisable compounds in extended pH-range columns. Journal of Chromatography A, 2005, 1089, 170-186.	3.7	41
61	Chromatographic Determination of Aqueous Dissociation Constants of Some Water-Insoluble Nonsteroidal Antiinflammatory Drugs. Journal of Pharmaceutical Sciences, 2002, 91, 991-999.	3.3	40
62	Retention of ionisable compounds on high-performance liquid chromatography. Journal of Chromatography A, 2004, 1059, 33-42.	3.7	40
63	Autoprotolysis in aqueous organic solvent mixtures. Analytical Chemistry, 1993, 65, 2294-2299.	6.5	39
64	Acidity constants in methanol/water mixtures of polycarboxylic acids used in drug salt preparations. European Journal of Pharmaceutical Sciences, 2006, 28, 118-127.	4.0	39
65	Fast high-throughput method for the determination of acidity constants by capillary electrophoresis. Journal of Chromatography A, 2009, 1216, 3646-3651.	3.7	39
66	A QSPR Study of thepSolute Polarity Parameter to Estimate Retention in HPLC. Journal of Chemical Information and Computer Sciences, 2003, 43, 1240-1247.	2.8	38
67	Characterization of the Solvation Properties of Sodiumn-Dodecyl Sulfate Micelles in Buffered and Unbuffered Aqueous Phases by Solvatochromic Indicators. Langmuir, 2003, 19, 55-62.	3.5	36
68	Retention of ionisable compounds on high-performance liquid chromatography XVII. Journal of Chromatography A, 2007, 1138, 203-215.	3.7	35
69	Inorganic salts as hold-up time markers in C18 columns. Talanta, 2000, 53, 667-677.	5.5	34
70	Critical validation of a new simpler approach to estimate aqueous pKa of drugs sparingly soluble in water. Analytica Chimica Acta, 2005, 550, 210-221.	5.4	34
71	Soluteâ€“solvent interactions in micellar electrokinetic chromatography. Journal of Chromatography A, 2001, 907, 257-265.	3.7	33
72	Determination of the hydrophobicity of organic compounds measured as logPo/w through a new chromatographic method. Journal of Chromatography A, 2010, 1217, 3026-3037.	3.7	33

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73	Ionic equilibria in aqueous organic solvent mixtures the dissociation constants of acids and salts in tetrahydrofuran/water mixtures. Analytica Chimica Acta, 1997, 340, 133-141.	5.4	31
74	Dissociation constants of several non-steroidal anti-inflammatory drugs in isopropyl alcohol/water mixtures. Analytica Chimica Acta, 1997, 350, 249-255.	5.4	31
75	The determination of solvation descriptors for terpenes, and the prediction of nasal pungency thresholds. Journal of the Chemical Society Perkin Transactions II, 1998, , 2405-2412.	0.9	31
76	Retention of ionisable compounds on high-performance liquid chromatography. Journal of Chromatography A, 2006, 1121, 170-177.	3.7	31
77	Variation ofE T(30) polarity and the Kamlet-Taft solvatochromic parameters with composition in alcohol-alcohol mixtures. Journal of Solution Chemistry, 1995, 24, 51-63.	1.2	30
78	Effect of temperature on the chromatographic retention of ionizable compounds. Journal of Chromatography A, 2005, 1077, 159-169.	3.7	30
79	Characterization of the acidity of residual silanol groups in microparticulate and monolithic reversed-phase columns. Journal of Chromatography A, 2004, 1060, 135-145.	3.7	29
80	Lipophilicity assessment of basic drugs (logPo/w determination) by a chromatographic method. Journal of Chromatography A, 2011, 1218, 6356-6368.	3.7	29
81	Prediction of the separation of phenols by capillary zone electrophoresis. Analytica Chimica Acta, 2002, 458, 355-366.	5.4	28
82	Determination of flavonoid aglycones in several food samples by mixed micellar electrokinetic chromatography. Journal of Separation Science, 2007, 30, 2493-2500.	2.5	28
83	Modeling the Retention of Neutral Compounds in Gradient Elution RP-HPLC by Means of Polarity Parameter Models. Analytical Chemistry, 2009, 81, 9135-9145.	6.5	28
84	Retention of ionizable compounds on HPLC. Modelling retention in reversed-phase liquid chromatography as a function of pH and solvent composition with methanol-water mobile phases. Chromatographia, 2002, 55, 565-571.	1.3	27
85	Background electrolytes in 50% methanol/water for the determination of acidity constants of basic drugs by capillary zone electrophoresis. Journal of Chromatography A, 2006, 1123, 113-120.	3.7	27
86	Resolution of acid strength in tetrahydrofuran of substituted benzoic acids. Analytica Chimica Acta, 1992, 265, 157-165.	5.4	26
87	Autoprotolysis in aqueous organic solvent mixtures. Water/alcohol binary systems. Analytica Chimica Acta, 1996, 335, 291-302.	5.4	26
88	Simultaneous effect of pH, temperature and mobile phase composition in the chromatographic retention of ionizable compounds. Journal of Chromatography A, 2011, 1218, 4995-5009.	3.7	26
89	Retention of ionizable compounds on high-performance liquid chromatography. Journal of Chromatography A, 2001, 910, 187-194.	3.7	24
90	Change of mobile phase pH during gradient reversed-phase chromatography with 2,2,2-trifluoroethanolâ€“water as mobile phase and its effect on the chromatographic hydrophobicity index determination. Journal of Chromatography A, 2002, 954, 77-87.	3.7	24

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91	Ionic equilibria in neutral amphiprotic solvents; resolution of acid strength in tert-butyl alcohol. Talanta, 1989, 36, 627-632.	5.5	23
92	Modeling Retention and Selectivity as a Function of pH and Column Temperature in Liquid Chromatography. Analytical Chemistry, 2006, 78, 5858-5867.	6.5	23
93	Polarity parameters of the Symmetry C18 and Chromolith Performance RP-18 monolithic chromatographic columns. Journal of Chromatography A, 2006, 1107, 96-103.	3.7	22
94	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. Journal of Chromatography A, 2009, 1216, 2491-2498.	3.7	22
95	Prediction of retention in reversed-phase liquid chromatography by means of the polarity parameter model. Journal of Chromatography A, 2009, 1216, 5214-5227.	3.7	22
96	Extension of the liquid chromatography/quantitative structureâ€“property relationship method to assess the lipophilicity of neutral, acidic, basic and amphotheric drugs. Journal of Chromatography A, 2012, 1240, 113-122.	3.7	22
97	The Ca2+â€“EDTA chelation as standard reaction to validate Isothermal Titration Calorimeter measurements (ITC). Talanta, 2016, 154, 354-359.	5.5	22
98	Ionic equilibria in neutral amphiprotic solvents: variation of electrolyte dissociation constants in tert-butyl alcohol with addition of a second solvent. Analytical Chemistry, 1988, 60, 2008-2013.	6.5	21
99	Standardization of potentiometric sensors in tetrahydrofuran. Analytica Chimica Acta, 1992, 264, 229-239.	5.4	21
100	Dissociation constants and preferential solvation in some 2-methylpropan-2-olâ€“alcohol mixtures. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1723-1728.	1.7	21
101	Empirical treatment of solvent-solute interactions: medium effects on the electronic absorption spectrum of ?-carotene. Journal of Physical Organic Chemistry, 1998, 11, 193-200.	1.9	21
102	Micellar electrokinetic chromatography estimation of size and composition of procyanidins after thiolysis with cysteine. Electrophoresis, 2003, 24, 1404-1410.	2.4	21
103	Physicochemical Properties of a New Multicomponent Cosolvent System for the pK_a Determination of Poorly Soluble Pharmaceutical Compounds. Helvetica Chimica Acta, 2007, 90, 1538-1553.	1.6	21
104	Critical comparison of shake-flask, potentiometric and chromatographic methods for lipophilicity evaluation (log P o/w) of neutral, acidic, basic, amphoteric, and zwitterionic drugs. European Journal of Pharmaceutical Sciences, 2018, 122, 331-340.	4.0	21
105	Ionic equilibria in neutral amphiprotic solvents: Structural effects on dissociation constants of several substituted phenols and mercaptopyrimidines in isopropyl alcohol. Talanta, 1989, 36, 1227-1231.	5.5	20
106	Ionic equilibria in neutral amphiprotic solvents: relationships between electrolyte pK values and solvent polarity and composition for several binary isopropyl alcohol mixtures. Analytical Chemistry, 1990, 62, 102-107.	6.5	20
107	Soluteâˆ’Solvent Interactions in Micellar Electrokinetic Chromatography. 6. Optimization of the Selectivity of Lithium Dodecyl Sulfateâˆ’Lithium Perfluorooctanesulfonate Mixed Micellar Buffers. Analytical Chemistry, 2002, 74, 4447-4455.	6.5	20
108	Lipophilicity of amphoteric and zwitterionic compounds: A comparative study of determination methods. Talanta, 2017, 162, 293-299.	5.5	20

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109	Color changes in screened indicators. Analytical Chemistry, 1984, 56, 1422-1428.	6.5	19
110	A comparative study of some hydroxyanthraquinones as acid-base indicators. Talanta, 1985, 32, 1077-1081.	5.5	19
111	Neutralisation indicators in 2-methylpropan-2-ol: their pKavalues and chromatic parameters of transition ranges. Analyst, The, 1987, 112, 179-184.	3.5	18
112	Solute-solvent interactions in micellar electrokinetic chromatography: V. Factors that produce peak splitting. Electrophoresis, 2002, 23, 2408-2416.	2.4	18
113	Determination of the chromatographic hydrophobicity index for ionisable solutes. Journal of Chromatography A, 2007, 1173, 110-119.	3.7	18
114	Acidity of Several Anilinium Derivatives in Pure Tetrahydrofuran. Journal of Solution Chemistry, 2008, 37, 689-700.	1.2	18
115	Effect of vinylpyrrolidone polymers on the solubility and supersaturation of drugs; a study using the Cheqsol method. European Journal of Pharmaceutical Sciences, 2018, 117, 227-235.	4.0	18
116	Conductometric determination of dissociation constants of several acids and their tetrabutylammonium salts in propan-2-ol/water mixtures. Analytica Chimica Acta, 1996, 333, 241-247.	5.4	17
117	Mixed micellar electrokinetic capillary chromatography separation of depolymerized grape procyanidins. Electrophoresis, 2003, 24, 707-713.	2.4	17
118	A Fast Method for pK_a Determination by Capillary Electrophoresis. Chemistry and Biodiversity, 2009, 6, 1822-1827.	2.1	17
119	Chromatographic models to predict the elution of ionizable analytes by organic modifier gradient in reversed phase liquid chromatography. Journal of Chromatography A, 2012, 1247, 71-80.	3.7	17
120	Evaluation of log Po/w values of drugs from some molecular structure calculation softwares. ADMET and DMPK, 2014, 2, .	2.1	17
121	The contribution of the hydrogen bond acidity on the lipophilicity of drugs estimated from chromatographic measurements. European Journal of Pharmaceutical Sciences, 2013, 48, 484-493.	4.0	16
122	Study of 1,4-dihydroxyanthraquinone as an acid-base indicator in isopropyl alcohol medium Evaluation of colour-change limits through complementary chromaticity parameters. Talanta, 1984, 31, 279-282.	5.5	15
123	Enthalpies and constants of dissociation of several neutral and cationic acids in aqueous and methanol/water solutions at various temperatures. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 923-930.	2.8	15
124	Phenothiazines solution complexity â€“ Determination of pKa and solubility-pH profiles exhibiting sub-micellar aggregation at 25 and 37Â°C. European Journal of Pharmaceutical Sciences, 2016, 93, 163-176.	4.0	15
125	Multiwavelength Spectrophotometric Determination of Dissociation Constants of Mercaptopyrimidines. Analytical Letters, 1988, 21, 1273-1284.	1.8	14
126	Effect of temperature on the chromatographic retention of ionizable compounds. III. Modeling retention of pharmaceuticals as a function of eluent pH and column temperature in RPLC. Journal of Separation Science, 2008, 31, 969-980.	2.5	14

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127	Ionic equilibria in neutral amphiprotic solvents of low dielectric constant: Buffer solutions. Talanta, 1989, 36, 615-621.	5.5	13
128	Autoprotolysis in aqueous organic solvent mixtures. Water/dipolar protophilic solvent binary systems. Analytica Chimica Acta, 1997, 349, 367-376.	5.4	13
129	Hydrophobic and cation exchange mechanisms in the retention of basic compounds in a polymeric column. Journal of Chromatography A, 2004, 1028, 139-148.	3.7	13
130	Acidity of several polyprotic acids, amiodarone and quetiapine hemifumarate in pure methanol. Talanta, 2007, 73, 115-120.	5.5	13
131	Acidâ^'Base Dissociation Constants of o-Phthalic Acid in Acetonitrile/Water Mixtures over the (15 to 50) Â°C Temperature Range and Related Thermodynamic Quantities. Journal of Chemical & Engineering Data, 2010, 55, 85-91.	1.9	12
132	Molecular Details of INH-C₁₀ Binding to wt KatG and Its S315T Mutant. Molecular Pharmaceutics, 2015, 12, 898-909.	4.6	12
133	Study of neutralisation indicators in propan-2-ol: their pKavalues and chromatic parameters of transition ranges. Analyst, The, 1985, 110, 1473-1476.	3.5	10
134	Chromatic characterisation and applicability of neutralisation indicator series in anhydrous acetic acid. Analyst, The, 1987, 112, 1717.	3.5	10
135	Dissociation constants of sore anti-inflammatory agents (Î±-phenylpropionic acids) in Isopropyl andtert-butyl alcohol media. Electroanalysis, 1991, 3, 365-370.	2.9	10
136	Dissociation constants of organophosphinic acid compounds. Talanta, 1993, 40, 1339-1343.	5.5	10
137	Interpretation of Hydroxylic Solvent Effects Based on Correlations with Solvent Parameters. Reaction of Et3N with EtI. Collection of Czechoslovak Chemical Communications, 1994, 59, 898-904.	1.0	10
138	Ionic equilibria in aqueous organic solvent mixtures The equilibria of HF in an ethanol + water mixture used for cleaning up semiconductors. Journal of Electroanalytical Chemistry, 1997, 433, 77-83.	3.8	10
139	Retention of ionisable compounds on high-performance liquid chromatography. Journal of Chromatography A, 2009, 1216, 5445-5448.	3.7	10
140	Ionic equilibria in neutral amphiprotic solvents of low dielectric constant: Titration curves. Talanta, 1989, 36, 623-626.	5.5	9
141	Gradient retention prediction of acidâ€“base analytes in reversed phase liquid chromatography: A simplified approach for acetonitrileâ€“water mobile phases. Journal of Chromatography A, 2014, 1370, 129-134.	3.7	9
142	Prediction of the chromatographic retention of acidâ€“base compounds in pH buffered methanolâ€“water mobile phases in gradient mode by a simplified model. Journal of Chromatography A, 2015, 1385, 42-48.	3.7	9
143	High-throughput logPo/w determination from UHPLC measurements: Revisiting the chromatographic hydrophobicity index. Journal of Pharmaceutical and Biomedical Analysis, 2016, 127, 26-31.	2.8	9
144	Ionizable Drug Self-Associations and the Solubility Dependence on pH: Detection of Aggregates in Saturated Solutions Using Mass Spectrometry (ESI-Q-TOF-MS/MS). Molecular Pharmaceutics, 2021, 18, 2311-2321.	4.6	9

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145	Ionic equilibria in amphiprotic solvents of low dielectric constant. Analytica Chimica Acta, 1992, 256, 211-220.	5.4	8
146	Autoprotolysis in aqueous organic solvent mixtures. Water-amide and water-amine binary systems. Analytica Chimica Acta, 1995, 302, 355-363.	5.4	8
147	Chromatographic hydrophobicity index: pH profile for polyprotic compounds. Journal of Chromatography A, 2009, 1216, 7798-7805.	3.7	8
148	Polarographic behaviour of mercaptopyrimidines. Electrochimica Acta, 1982, 27, 1465-1467.	5.2	7
149	Linear solvation energy relationships between electrolyte pKvalues and solvent properties for several 2-methylpropan-2-Ol-cosolvent mixtures. Journal of Physical Organic Chemistry, 1994, 7, 696-704.	1.9	7
150	Retention of ionizable compounds on HPLC. Modelling retention for neutral and ionizable compounds by linear solvation energy relationships. Chromatographia, 2002, 56, 431-437.	1.3	7
151	Erratum to â€œSoluteâ€“solvent interactions in micellar electrokinetic chromatography. III. Characterization of the selectivity of micellar electrokinetic chromatography systemsâ€•[J. Chromatogr. A 942 (2002) 237â€“248]. Journal of Chromatography A, 2009, 1216, 6877-6879.	3.7	7
152	Molecular characteristics of several drugs evaluated from solvent/water partition measurements: Solvation parameters and intramolecular hydrogen bond indicator. European Journal of Pharmaceutical Sciences, 2022, 168, 106066.	4.0	7
153	Study of semicarbazones and thiosemicarbazones derived from 1,2-naphthoquinone, as acidâ€”base indicators: Evaluation of their transition limits through the chromaticity co-ordinates. Talanta, 1982, 29, 1125-1129.	5.5	6
154	Dissociation constants, neutralization enthalpies and reactions of 3-styryl-2-mercaptopropenoic and 3-(1-naphthyl)-2-mercaptopropenoic acids. Talanta, 1984, 31, 475-478.	5.5	6
155	Polarographic determination of chlorquinaldol in pharmaceutical preparations. Microchemical Journal, 1987, 35, 133-136.	4.5	6
156	Polarographic determination of clioquinol in pharmaceutical preparations. Journal of Pharmaceutical and Biomedical Analysis, 1988, 6, 983-986.	2.8	6
157	Standardization of potentiometric cells in propan-2-ol-water. Analytica Chimica Acta, 1993, 280, 75-83.	5.4	6
158	Solvent extraction of alkylphosphoric acid derivatives between water and immiscible organic solvents. Analytica Chimica Acta, 1997, 350, 197-202.	5.4	6
159	Kinetic and Thermodynamic Solubility Values of Some Bioactive Compounds. Chemistry and Biodiversity, 2009, 6, 1789-1795.	2.1	6
160	Isothermal titration calorimetry of Ni(II) binding to histidine and to N-2-aminoethylglycine. Talanta, 2011, 84, 347-354.	5.5	6
161	Chromatographic Hydrophobicity Index (CHI). Advances in Chromatography, 2012, 50, 377-414.	1.0	6
162	Ionic equilibria in amphiprotic solvents of low dielectric constant. Analytica Chimica Acta, 1992, 256, 203-210.	5.4	5

#	Article	IF	Citations
163	Potentiometric and thermometric determination of mercaptopyrimidines. Mikrochimica Acta, 1985, 86, 339-346.	5.0	4
164	1,2-Naphthoquinone-2-thiosemicarbazone as a new acid-base indicator in isopropyl and tert-butyl alcohol media. Talanta, 1988, 35, 419-423.	5.5	4
165	Variation of some microscopic properties with composition in 2-methoxyethanol and 1,2-ethanediol mixtures. Journal of Solution Chemistry, 1994, 23, 735-746.	1.2	4
166	Application of a polarity parameter model to the separation of fatâ€soluble vitamins by reversedâ€phase HPLC. Journal of Separation Science, 2008, 31, 3170-3181.	2.5	4
167	A comparative study of the behaviour of Crystal Violet, alizarin-9-imine and quinalizarin-9-imine as indicators in anhydrous acetic acid medium. Mikrochimica Acta, 1986, 90, 13-26.	5.0	3
168	Improvement of the titrimetric method for the determination of total basicity and available lysine residues in proteinaceous samples in anhydrous acetic acid. Analytica Chimica Acta, 1992, 256, 177-181.	5.4	3
169	Binding thermodynamics of paromomycin, neomycin, neomycinâ€dinucleotide and â€diPNA conjugates to bacterial and human rRNA. Journal of Molecular Recognition, 2016, 29, 142-150.	2.1	3
170	Soluteâ€“solvent and solventâ€“solvent interactions in binary solvent mixtures. Part 7. Comparison of the enhancement of the water structure in alcoholâ€“water mixtures measured by solvatochromic indicators. Journal of Physical Organic Chemistry, 1998, 11, 185-192.	1.9	3
171	Screened indicators in anhydrous acetic acid medium: Chromatic evaluation of their transitions. Mikrochimica Acta, 1991, 105, 89-99.	5.0	1
172	Soluteâ€solvent and solventâ€solvent interactions in binary solvent mixtures. 2. Effect of temperature on the ET(30) polarity parameter of dipolar hydrogen bond acceptorâ€hydrogen bond donor mixtures. Journal of Physical Organic Chemistry, 1996, 9, 403-410.	1.9	1
173	A syllabus for a two-semester chemistry course for health professions. Journal of Chemical Education, 1990, 67, 539.	2.3	0
174	A QSPR Study of the p Solute Polarity Parameter to Estimate Retention of HPLC.. ChemInform, 2003, 34, no.	0.0	0
175	Ionic equilibria in aqueous organic solvent mixtures. Speciation of hydrofluoric acid in several ethanol/water solutions. Journal of Electroanalytical Chemistry, 2019, 848, 113318.	3.8	0