

Some observations regarding different retention proper

Chromatographia

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Limitations of all empirical single-parameter solvent strength scales in reversed-phase liquid chromatography. <i>Analytical Chemistry</i> , 1989, 61, 1524-1529.	3.2	78
2	Relative retention and column selectivity for the common polar bonded-phase columns. <i>Journal of Chromatography A</i> , 1990, 498, 55-65.	1.8	34
3	Solvatochromic hydrogen bond donor acidity of aqueous binary solvent mixtures for reversed-phase liquid. <i>Journal of Chromatography A</i> , 1990, 513, 107-116.	1.8	75
4	Empirical scheme for the classification of gas chromatographic stationary phases based on solvatochromic linear solvation energy relationships. <i>Journal of Chromatography A</i> , 1990, 517, 103-121.	1.8	62
5	Quantitative correlation of the parameters $\log k'_w$ and ΔS in the retention equation in reversed-phase high-performance liquid chromatographic and solvatochromic parameters. <i>Journal of Chromatography A</i> , 1990, 522, 49-55.	1.8	25
6	THE COLUMN IN LIQUID CHROMATOGRAPHY. , 1991, , 311-544.		3
7	Hydrogen-Bonding Interactions of 1-Naphthol in Polar Mobile Phases and on a Silica Column VIA an Ultraviolet Spectroscopic Comparison Method. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1991, 14, 1837-1859.	0.9	1
8	Characterization of retentivity of reversed phase liquid chromatography columns. <i>Talanta</i> , 1991, 38, 237-243.	2.9	27
9	Measurement of infinite dilution activity coefficients using high performance liquid chromatography. <i>Fluid Phase Equilibria</i> , 1991, 68, 131-149.	1.4	4
10	Measurement of solute dipolarity/polarizability and hydrogen bond acidity by inverse gas chromatography. <i>Journal of Chromatography A</i> , 1991, 550, 101-134.	1.8	70
11	Prediction of retention of O-ethyl, O-aryl and N-isopropyl phosphoramidothioates in RP-HPLC from molecular structure parameters. <i>Chromatographia</i> , 1991, 31, 143-146.	0.7	8
12	Chapter 1 Theory of chromatography. <i>Journal of Chromatography Library</i> , 1992, 51, A1-A68.	0.1	11
13	Solvatochromic hydrogen bond donor acidity of cyclodextrins and reversed-phase liquid chromatographic retention of small molecules on a β -cyclodextrin-bonded silica stationary phase. <i>Journal of Chromatography A</i> , 1992, 595, 45-52.	1.8	20
14	Effects of molecular structure on the S index in the retention equation in reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1992, 606, 1-8.	1.8	23
15	A study of solid surface polarity using inverse gas chromatographic retention data. <i>Chromatographia</i> , 1992, 33, 154-158.	0.7	22
16	Linear solvation energy relationships in reversed-phase liquid chromatography. Prediction of retention from a single solvent and a single solute parameter. <i>Analytica Chimica Acta</i> , 1993, 274, 147-162.	2.6	76
17	Importance of molecular shape in supercritical fluid chromatography using a porous glassy carbon adsorbent stationary phase. <i>Journal of Separation Science</i> , 1993, 5, 543-550.	1.0	13
18	Accurate determination of $\log k'_w$ in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1993, 631, 63-78.	1.8	103

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19	Solvatochromically based solvent-selectivity triangle. <i>Journal of Chromatography A</i> , 1993, 656, 537-547.	1.8	131
20	Effects of molecular structure on the log k' index and linear $\log k'$ correlation in reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1993, 633, 31-41.	1.8	34
21	The use of $\log k'$, $\log k''$ to measure hydrogen-bond terms in reserved phase liquid chromatography. <i>Chromatographia</i> , 1993, 35, 111-113.	0.7	2
22	Hydrogen bonding. 38. Effect of solute structure and mobile phase composition on reversed-phase high-performance liquid chromatographic capacity factors. <i>Journal of Physical Organic Chemistry</i> , 1994, 7, 672-684.	0.9	136
23	Study of the hydrogen bond donor acidity of binary aqueous mixtures and their role in reversed-phase liquid chromatography. <i>Journal of Physical Organic Chemistry</i> , 1994, 7, 757-769.	0.9	32
24	Methodological approach for evaluating operational parameters and the characterization of a popular sorbent for solid-phase extraction by high pressure liquid chromatography. <i>Journal of High Resolution Chromatography</i> , 1994, 17, 125-134.	2.0	61
25	Limitation of the ET(30) solvent strength scale in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1994, 677, 1-9.	1.8	18
26	Characterization of some silica-based reversed-phase liquid chromatographic columns based on linear solvation energy relationships. <i>Journal of Chromatography A</i> , 1994, 664, 149-158.	1.8	57
27	Solvation parameter model for the prediction of breakthrough volumes in solid-phase extraction with particle-loaded membranes. <i>Analytical Chemistry</i> , 1994, 66, 139-146.	3.2	60
28	Binding forces contributing to the complexation of organic molecules with β -cyclodextrin in aqueous solution. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 1359-1362.	0.9	25
29	Liquid chromatographic study of solute hydrogen bond basicity. <i>Analytical Chemistry</i> , 1994, 66, 450-457.	3.2	21
30	Effect of molecular structure on the solute-micelle and solute-stationary phase binding constants in micellar liquid chromatography. <i>Analytica Chimica Acta</i> , 1995, 310, 461-471.	2.6	13
31	Influence of solvent effects on retention in reversed-phase liquid chromatography and solid-phase extraction using a cyanopropylsiloxane-bonded, silica-based sorbent. <i>Chromatographia</i> , 1995, 41, 51-60.	0.7	66
32	Prediction of LC retention of steroids using solvatochromic parameters. <i>Chromatographia</i> , 1995, 41, 573-580.	0.7	40
33	Prediction of LC retention of steroids using solvatochromic parameters. <i>Chromatographia</i> , 1995, 41, 573-580.	0.7	11
34	Influence of solvent effects on retention in reversed-phase liquid chromatography and solid-phase extraction using a cyanopropylsiloxane-bonded, silica-based sorbent. <i>Chromatographia</i> , 1995, 41, 51-60.	0.7	27
35	Linear Solvation Energy Relationships in Reversed-Phase Liquid Chromatography. Prediction of Retention of Several Quinolones. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995, 18, 3445-3463.	0.9	13
36	Chapter 2 Retention prediction of pharmaceutical compounds. <i>Journal of Chromatography Library</i> , 1995, 57, 47-92.	0.1	4

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37	Assignment of reference pH-values to primary standard buffer solutions for standardization of potentiometric sensors in acetonitrile-water mixtures. Fresenius' Journal of Analytical Chemistry, 1995, 353, 148-155.	1.5	73
38	Assignment of reference pH-values to primary standard buffer solutions for standardization of potentiometric sensors in acetonitrile-water mixtures. Analytical and Bioanalytical Chemistry, 1995, 353, 148-155.	1.9	16
39	Retention properties of a spacer-bonded propanediol sorbent for reversed-phase liquid chromatography and solid-phase extraction. Analyst, The, 1996, 121, 511.	1.7	56
40	Determination of Solvent Basicity Scale, \hat{I}^2 , of Mixed Solvents for Three Chromatographic Solvent Systems: 2-Propanol/Hexane, Ethyl Acetate/Hexane, and Methanol/Water. Journal of Liquid Chromatography and Related Technologies, 1996, 19, 277-291.	0.5	9
41	High Performance Liquid Chromatographic Evaluation of a Low-Temperature Glassy Carbon Stationary Phase. Journal of Liquid Chromatography and Related Technologies, 1996, 19, 2997-3022.	0.5	15
42	Binding forces contributing to reversed-phase liquid chromatographic retention on a \hat{I}^2 -cyclodextrin bonded phase. Journal of Chromatography A, 1996, 722, 41-46.	1.8	15
43	Solvatochromic parameter values and pH in aqueous-organic mixtures used in liquid chromatography Prediction of retention of a series of quinolones. Journal of Chromatography A, 1996, 719, 27-36.	1.8	71
44	Solvatochromic parameter values and pH in acetonitrile-water mixtures optimization of mobile phase for the separation of peptides by high-performance liquid chromatography. Journal of Chromatography A, 1996, 725, 249-260.	1.8	60
45	Characterization of polybutadiene-coated zirconia and comparison to conventional bonded phases by use of linear solvation energy relationships. Analytica Chimica Acta, 1996, 334, 239-250.	2.6	43
46	Study of retention in reversed-phase liquid chromatography using linear solvation energy relationships I. The stationary phase. Journal of Chromatography A, 1996, 752, 1-18.	1.8	200
47	Addition of methanol to the mobile phase in packed capillary column supercritical fluid chromatography retention mechanisms from linear solvation energy relationships. Journal of Chromatography A, 1996, 753, 291-298.	1.8	43
48	Dissociation constants and preferential solvation of fluoroquinolones in hydroorganic mixtures used in LC. International Journal of Pharmaceutics, 1997, 149, 213-225.	2.6	29
49	HYDROGEN BONDING. 42. CHARACTERIZATION OF REVERSED-PHASE HIGH-PERFORMANCE LIQUID CHROMATOGRAPHIC C18 STATIONARY PHASES. Journal of Physical Organic Chemistry, 1997, 10, 358-368.	0.9	173
50	Linear solvation energy relationships in normal phase liquid chromatography based on retention data on silica in 2-propanol/hexane eluents. Analytica Chimica Acta, 1997, 342, 51-57.	2.6	23
51	Acid-base behaviour of tripeptides in solvents used in liquid chromatography. Correlation between pK values and solvatochromic parameters of acetonitrile-water mixtures. Analytica Chimica Acta, 1997, 347, 295-304.	2.6	37
52	Solvent effects on protonation equilibria of peptides and quinolones by factor analysis applied to the correlation between dissociation constants and solvatochromic parameters in acetonitrile-water mixtures. Analytica Chimica Acta, 1997, 351, 397-405.	2.6	34
53	Characterization and selectivity optimization on diol, amino, and cyano normal phase columns based on linear solvation energy relationships. Analytica Chimica Acta, 1998, 368, 141-154.	2.6	48
54	Characterization of some normal-phase liquid chromatographic stationary phases based on linear solvation energy relationships. Journal of Chromatography A, 1998, 796, 249-258.	1.8	60

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55	Study of retention in reversed-phase liquid chromatography using linear solvation energy relationships. <i>Journal of Chromatography A</i> , 1998, 799, 1-19.	1.8	126
56	Characterization of various reversed-phase columns using the linear free energy relationship. <i>Journal of Chromatography A</i> , 1998, 818, 1-17.	1.8	81
57	Modifier effects in open tubular capillary column supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 1998, 796, 347-354.	1.8	18
58	Study of the Effect of Mobile Phase Additives on Retention in Reversed Phase HPLC Using Linear Solvation Energy Relationships. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 427-434.	2.0	18
59	On the role of solvent in acid-base equilibria of diuretics in acetonitrile-water mixed solvents. <i>Talanta</i> , 1998, 45, 817-827.	2.9	39
60	Solvatochromic studies of solvation effects in reversed-phase liquid chromatography with addition of 1-propanol. <i>Analytica Chimica Acta</i> , 1999, 388, 345-352.	2.6	8
61	Solute-solvent interactions in normal-phase liquid chromatography: a linear free-energy relationships study. <i>Analytica Chimica Acta</i> , 1999, 382, 301-308.	2.6	62
62	Chromatographic behaviour of ionizable compounds in liquid chromatography. Part 1. pH scale, pKa and pHS values for standard buffers in tetrahydrofuran-water. <i>Analytica Chimica Acta</i> , 1999, 389, 31-42.	2.6	22
63	Thermodynamic properties for the solute transfer from the mobile to the stationary phase in reversed phase liquid chromatography obtained by squalane-impregnated C18 bonded phase. <i>Journal of Chromatography A</i> , 1999, 848, 9-20.	1.8	28
64	Comparison between the isocratic and gradient retention behaviour of polypeptides in reversed-phase liquid chromatographic environments. <i>Journal of Chromatography A</i> , 1999, 852, 43-57.	1.8	26
65	Global linear solvation energy relationships for retention prediction in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1999, 848, 21-37.	1.8	88
66	Effects of organic modifiers on retention mechanism and selectivity in micellar electrokinetic capillary chromatography studied by linear solvation energy relationships. <i>Journal of Chromatography A</i> , 1999, 863, 69-79.	1.8	48
67	Effect of triethylamine in the mobile phase on the retention properties of conventional polymeric and horizontally polymerized octadecylsilica in RPLC. <i>Chromatographia</i> , 1999, 49, 635-642.	0.7	13
68	Separation and identification of peptide mixtures in a synthesis crude of carbetocin by liquid chromatography/electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1999, 13, 2341-2347.	0.7	13
69	Molecular Tweezers as Synthetic Receptors: Molecular Recognition of Electron-Deficient Aromatic Substrates by Chemically Bonded Stationary Phases. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2741-2749.	1.2	42
70	Characterization of Reversed-Phase Liquid Chromatographic Stationary Phases Using Solvatochromism and Multivariate Curve Resolution. <i>Analytical Chemistry</i> , 1999, 71, 5225-5234.	3.2	29
71	Solvatochromic Study of the Separation of Glycyl-Leucyl-Phenylalanine and Some Homologous by Reversed-Phase High-Performance Liquid Chromatography.. <i>Analytical Sciences</i> , 1999, 15, 1191-1197.	0.8	4
72	Analysis of a peptide hormone mixture of therapeutic interest by liquid chromatography coupled to high-flow pneumatically assisted electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 893, 95-106.	1.8	9

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73	Characterization of reversed-phase columns using the linear free energy relationship. <i>Journal of Chromatography A</i> , 2000, 893, 215-234.	1.8	67
74	Separation and characterization of multicomponent peptide mixtures by liquid chromatography–electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 870, 315-334.	1.8	19
75	Separation of potentially therapeutic peptide hormones by liquid chromatography. <i>Journal of Chromatography A</i> , 2000, 870, 335-347.	1.8	20
76	Possibilities and pitfalls in defining selectivity in HPLC. <i>Chromatographia</i> , 2000, 51, S98-S107.	0.7	13
77	LINEAR SOLVATION ENERGY RELATIONSHIP STUDY OF RETENTION IN MICELLAR LIQUID CHROMATOGRAPHY ON A C18 COLUMN USING SODIUM DODECYL SULFATE AND CETYLTRIMETHYLAMMONIUM BROMIDE MOBILE PHASES WITH ALCOHOL MODIFIERS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 873-895.	0.5	13
78	Influence of column characteristics on retention and selectivity in RP-HPLC. <i>Chromatographia</i> , 2001, 54, 99-108.	0.7	9
79	Evaluation of the retention dependence on the physicochemical properties of solutes in reversed-phase liquid chromatographic linear gradient elution based on linear solvation energy relationships. <i>Journal of Chromatography A</i> , 2001, 905, 35-46.	1.8	44
80	Selectivity of amino-, cyano- and diol-bonded silica in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2001, 915, 35-42.	1.8	18
81	Study of retention in micellar liquid chromatography on a C8 column by the use of linear solvation energy relationships. <i>Journal of Chromatography A</i> , 2001, 918, 1-11.	1.8	19
82	Prediction of internal standards in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2001, 927, 19-30.	1.8	19
83	Effect of molecular interactions on retention and selectivity in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2002, 960, 69-83.	1.8	32
84	Comparative study of the linear solvation energy relationship, linear solvent strength theory, and typical-conditions model for retention prediction in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2002, 965, 3-23.	1.8	58
85	Evaluation of column characteristics in RPLC using linear solvation energy relationships (LSERs). <i>Journal of Separation Science</i> , 2003, 26, 201-214.	1.3	24
86	Characterization of metallothionein isoforms from rabbit liver by liquid chromatography coupled to electrospray mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 796, 379-393.	1.2	17
87	Fundamentals of Reversed Phase Chromatography: Thermodynamic and Exothermodynamic Treatment. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 965-1054.	0.5	56
88	Solvation parameters for the 209 PCBs: calculation of physicochemical properties. <i>Journal of Environmental Monitoring</i> , 2005, 7, 295.	2.1	44
89	Quantitative structure–property relationships for pesticides in biopartitioning micellar chromatography. <i>Journal of Chromatography A</i> , 2006, 1113, 140-147.	1.8	28
90	The chemical interpretation and practice of linear solvation energy relationships in chromatography. <i>Journal of Chromatography A</i> , 2006, 1126, 143-194.	1.8	461

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91	Intermolecular interactions on multiwalled carbon nanotubes in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 945-952.	1.3	30
92	Column selectivity for two-dimensional liquid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 1763-1783.	1.3	94
93	Characterization of High-Pressure Liquid Chromatography Columns using Chromatographic Methods. <i>Analytical Letters</i> , 2006, 39, 2095-2152.	1.0	18
94	Stationary phases for hydrophilic interaction chromatography, their characterization and implementation into multidimensional chromatography concepts. <i>Journal of Separation Science</i> , 2008, 31, 1421-1437.	1.3	219
95	Combination of artificial neural network technique and linear free energy relationship parameters in the prediction of gradient retention times in liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1190, 241-252.	1.8	37
97	Variation of acidity constants of peptides in acetonitrile-water mixtures with solvent composition: effect of preferential solvation. <i>Chemical Biology and Drug Design</i> , 1997, 50, 14-24.	1.2	13
98	Retention models for isocratic and gradient elution in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 1737-1755.	1.8	134
99	Computer-assisted retention prediction system in reversed-phase HPLC for <i>O</i> -ethyl <i>N</i> -isopropyl phosphoramidothioates. <i>Chinese Journal of Chemistry</i> , 1991, 9, 435-440.	2.6	2
100	The correlation between molecular structure parameters of <i>O</i> -ethyl <i>N</i> -isopropyl phosphoro(thioureido) thioates and their retention data in RP-HPLC. <i>Chinese Journal of Chemistry</i> , 1993, 11, 76-80.	2.6	2
101	Stationary and mobile phases in hydrophilic interaction chromatography: a review. <i>Analytica Chimica Acta</i> , 2011, 692, 1-25.	2.6	610
102	A new 14-membered tetraazamacrocyclic-bonded silica stationary phase for reversed-phase high-performance liquid chromatography. <i>Talanta</i> , 2012, 89, 433-440.	2.9	17
103	Using linear solvation energy relationship model to study the retention factor of solute in liquid chromatography. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 1058-1071.	0.9	8
104	Advances in Hydrophilic Interaction Liquid Chromatography., 2017, , 39-87.		3