Colin F Poole

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9571516/publications.pdf

Version: 2024-02-01

253 papers	12,355 citations	26630 56 h-index	37204 96 g-index
486 all docs	486 docs citations	486 times ranked	5739 citing authors

#	Article	IF	Citations
1	Chromatographic and spectroscopic methods for the determination of solvent properties of room temperature ionic liquids. Journal of Chromatography A, 2004, 1037, 49-82.	3.7	593
2	New trends in solid-phase extraction. TrAC - Trends in Analytical Chemistry, 2003, 22, 362-373.	11.4	572
3	Extraction of organic compounds with room temperature ionic liquids. Journal of Chromatography A, 2010, 1217, 2268-2286.	3.7	434
4	Classification of stationary phases and other materials by gas chromatography. Journal of Chromatography A, 1999, 842, 79-114.	3.7	351
5	Column selectivity from the perspective of the solvation parameter model. Journal of Chromatography A, 2002, 965, 263-299.	3.7	262
6	Determination of solute descriptors by chromatographic methods. Analytica Chimica Acta, 2009, 652, 32-53.	5.4	223
7	Separation methods for estimating octanolâ€“water partition coefficients. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 797, 3-19.	2.3	220
8	Matrix-induced response enhancement in pesticide residue analysis by gas chromatography. Journal of Chromatography A, 2007, 1158, 241-250.	3.7	217
9	Contributions of theory to method development in solid-phase extraction. Journal of Chromatography A, 2000, 885, 17-39.	3.7	201
10	Ionic liquid stationary phases for gas chromatography. Journal of Separation Science, 2011, 34, 888-900.	2.5	201
11	Determination of acid dissociation constants by capillary electrophoresis. Journal of Chromatography A, 2004, 1037, 445-454.	3.7	196
12	Thin-layer chromatography: challenges and opportunities. Journal of Chromatography A, 2003, 1000, 963-984.	3.7	184
13	Separation characteristics of wall-coated open-tubular columns for gas chromatography. Journal of Chromatography A, 2008, 1184, 254-280.	3.7	177
14	HYDROGEN BONDING. 42. CHARACTERIZATION OF REVERSED-PHASE HIGH-PERFORMANCE LIQUID CHROMATOGRAPHIC C18 STATIONARY PHASES. Journal of Physical Organic Chemistry, 1997, 10, 358-368.	1.9	173
15	Estimation of the environmental properties of compounds from chromatographic measurements and the solvation parameter model. Journal of Chromatography A, 2013, 1317, 85-104.	3.7	156
16	Organic salts, liquid at room temperature, as mobile phases in liquid chromatography. Journal of Chromatography A, 1986, 352, 407-425.	3.7	147
17	Gas chromatography on wall-coated open-tubular columns with ionic liquid stationary phases. Journal of Chromatography A, 2014, 1357, 87-109.	3.7	136
18	Sample preparation for chromatographic separations: an overview. Analytica Chimica Acta, 1990, 236, 3-42.	5.4	133

#	Article	IF	Citations
19	Planar chromatography at the turn of the century. Journal of Chromatography A, 1999, 856, 399-427.	3.7	130
20	Recommendations for the determination of selectivity in micellar electrokinetic chromatography. Journal of Chromatography A, 1998, 798, 207-222.	3.7	129
21	Chromatographic and spectroscopic studies of the solvent properties of a new series of room-temperature liquid tetraalkylammonium sulfonates. Analytica Chimica Acta, 1989, 218, 241-264.	5.4	120
22	Chromatographic models for the sorption of neutral organic compounds by soil from water and air. Journal of Chromatography A, 1999, 845, 381-400.	3.7	118
23	Matrix-induced peak enhancement of pesticides in gas chromatogrtaphy: Is there a solution?. Journal of High Resolution Chromatography, 1997, 20, 375-378.	1.4	117
24	Solvent properties of liquid organic salts used as mobile phases in microcolumn reversed-phase liquid chromatography. Journal of Chromatography A, 1987, 411, 61-79.	3.7	110
25	Determination of descriptors for organosilicon compounds by gas chromatography and non-aqueous liquidâ€“liquid partitioning. Journal of Chromatography A, 2007, 1169, 179-192.	3.7	108
26	Characterization of solvent properties of gas chromatographic liquid phases. Chemical Reviews, 1989, 89, 377-395.	47.7	106
27	Molten organic salt phase for gas-liquid chromatography. Analytical Chemistry, 1982, 54, 1938-1941.	6.5	102
28	Multidimensionality in planar chromatography. Journal of Chromatography A, 1995, 703, 573-612.	3.7	97
29	Foundations of retention in partition chromatography. Journal of Chromatography A, 2009, 1216, 1530-1550.	3.7	94
30	Characterization of Surfactant Selectivity in Micellar Electrokinetic Chromatography. Analyst, The, 1997, 122, 267-274.	3.5	88
31	Quantitative Thin-Layer Chromatography. , 2011, , .		80
32	Stationary phases for packed-column supercritical fluid chromatography. Journal of Chromatography A, 2012, 1250, 157-171.	3.7	80
33	Comparison of solute descriptors for predicting retention of ionic compounds (phenols) in reversed-phase liquid chromatography using the solvation parameter model. Journal of Chromatography A, 1998, 829, 29-40.	3.7	77
34	Synthesis and gas chromatographic evaluation of a high-temperature hydrogen-bond acid stationary phase. Journal of Chromatography A, 1998, 805, 217-235.	3.7	75
35	Influence of concurrent retention mechanisms on the determination of stationary phase selectivity in gas chromatography. Journal of Chromatography A, 1987, 399, 1-31.	3.7	73
36	Ionization-based detectors for gas chromatography. Journal of Chromatography A, 2015, 1421, 137-153.	3.7	72

#	Article	IF	Citations
37	Cyclic derivatives for the selective chromatographic analysis of bifunctional compounds. Journal of Chromatography A, 1980, 184, 99-183.	3.7	72
38	Alkylsilyl derivatives for gas chromatography. Journal of Chromatography A, 2013, 1296, 2-14.	3.7	70
39	Interphase model for retention and selectivity in micellar electrokinetic chromatography. Journal of Chromatography A, 1997, 792, 89-104.	3.7	69
40	Determination of descriptors for semivolatile organosilicon compounds by gas chromatography and non-aqueous liquidâ€“liquid partition. Journal of Chromatography A, 2009, 1216, 7882-7888.	3.7	68
41	Ambiguities in the determination of McReynolds stationary phase constants. Journal of Chromatography A, 1987, 411, 43-59.	3.7	67
42	Conjoint prediction of the retention of neutral and ionic compounds (phenols) in reversed-phase liquid chromatography using the solvation parameter model. Analytica Chimica Acta, 1998, 368, 129-140.	5.4	66
43	Retention characteristics of an immobilized artificial membrane column in reversed-phase liquid chromatography. Journal of Chromatography A, 2002, 946, 107-124.	3.7	64
44	Applications of the solvation parameter model in reversed-phase liquid chromatography. Journal of Chromatography A, 2017, 1486, 2-19.	3.7	64
45	A study of single compound additives to minimize the matrix induced chromatographic response enhancement observed in the gas chromatography of pesticide residues. Journal of High Resolution Chromatography, 1993, 16, 501-503.	1.4	63
46	Influence of temperature on the mechanism by which compounds are retained in gas-liquid chromatography. Journal of Chromatography A, 1994, 664, 229-251.	3.7	63
47	Chemometric evaluation of the solvent properties of liquid organic salts. Analyst, The, 1995, 120, 289.	3.5	63
48	Solvation characteristics of pressurized hot water and its use in chromatography. Analytical Communications, 1999, 36, 71-75.	2.2	63
49	Practitionerâ€™s guide to method development in thin-layer chromatography. Journal of Chromatography A, 2000, 892, 123-142.	3.7	63
50	Green sample-preparation methods using room-temperature ionic liquids for the chromatographic analysis of organic compounds. TrAC - Trends in Analytical Chemistry, 2015, 71, 144-156.	11.4	63
51	Methodological approach for evaluating operational parameters and the characterization of a popular sorbent for solid-phase extraction by high pressure liquid chromatography. Journal of High Resolution Chromatography, 1994, 17, 125-134.	1.4	61
52	Instrumental thin-layer chromatography. Analytical Chemistry, 1994, 66, 27A-37A.	6.5	61
53	Solvation parameter model for the prediction of breakthrough volumes in solid-phase extraction with particle-loaded membranes. Analytical Chemistry, 1994, 66, 139-146.	6.5	60
54	Determination of kinetic and retention properties of cartridge and disk devices for solid-phase extraction. Biomedical Applications, 1997, 689, 245-259.	1.7	60

#	Article	IF	Citations
55	Comparison of two free energy of solvation models for characterizing selectivity of stationary phases used in gas-liquid chromatography. Analytica Chimica Acta, 1992, 259, 1-13.	5.4	59
56	Quantitative structureâ€“retention (property) relationships in micellar electrokinetic chromatography. Journal of Chromatography A, 2008, 1182, 1-24.	3.7	59
57	Solute-solvent interactions in liquid tetrabutylammonium sulfonate salts studied by gas chromatography. Analytical Chemistry, 1988, 60, 1103-1108.	6.5	58
58	Experimental protocol for the assessment of solvent strength and selectivity of liquid phases used in gas chromatography. Journal of Chromatography A, 1990, 500, 329-348.	3.7	58
59	Retention properties of a spacer-bonded propanediol sorbent for reversed-phase liquid chromatography and solid-phase extraction. Analyst, The, 1996, 121, 511.	3.5	56
60	Progress in densitometry for quantitation in planar chromatography. Biomedical Applications, 1989, 492, 539-584.	1.7	55
61	Solute descriptors for characterizing retention properties of open-tubular columns of different selectivity in gas chromatography at intermediate temperatures. Journal of Chromatography A, 2008, 1195, 136-145.	3.7	54
62	Interpretation of the influence of temperature on the solvation properties of gas chromatographic stationary phases using Abraham's solvation parameter model. Analytica Chimica Acta, 1993, 282, 1-17.	5.4	53
63	Models for estimating the non-specific aquatic toxicity of organic compounds. Analytical Communications, 1999, 36, 235-242.	2.2	53
64	The Extraction and Determination of Ecdysones in Arthropods. Advances in Insect Physiology, 1976, 12, 17-62.	2.7	52
65	Thermodynamic characteristics of soluteâ€”solvent interactions in liquid organic salt solvents, studied by gas chromatography. Journal of Chromatography A, 1987, 399, 47-67.	3.7	52
66	Retention characteristics of porous graphitic carbon in reversed-phase liquid chromatography with methanolâ€“water mobile phases. Analyst, The, 2001, 126, 1318-1325.	3.5	52
67	Investigation of the kinetic properties of particle-loaded membranes for solid-phase extraction by forced flow planar chromatography. Analytical Chemistry, 1993, 65, 588-595.	6.5	51
68	Chromatographic methods for the determination of the logL16 solute descriptor. Analyst, The, 2000, 125, 2180-2188.	3.5	51
69	Thermodynamic approach to the practical characterization of solvent strength and selectivity of commonly used stationary phases in gas chromatography. Journal of Chromatography A, 1989, 468, 235-260.	3.7	50
70	Chemometric classification of the solvent properties (selectivity) of commonly used gas chromatographic stationary phases. Journal of Chromatography A, 1995, 697, 415-427.	3.7	50
71	The orthogonal character of stationary phases for gas chromatography. Journal of Separation Science, 2008, 31, 1118-1123.	2.5	50
72	Synthesis and gas chromatographic stationary phase properties of alkylammonium thiocyanates. Journal of Chromatography A, 1986, 356, 59-77.	3.7	49

#	Article	IF	Citations
73	Thin-layer chromatographic method for the determination of the principal polar aromatic flavour compounds of the cinnamons of commerce. Analyst, The, 1994, 119, 113.	3.5	49
74	Extraction of Thiabendazole and Carbendazim from Foods Using Pressurized Hot (Subcritical) Water for Extraction:Â A Feasibility Study. Journal of Agricultural and Food Chemistry, 1998, 46, 3124-3132.	5.2	48
75	High performance stationary phases for planar chromatography. Journal of Chromatography A, 2011, 1218, 2648-2660.	3.7	48
76	Soluteâ€"solvent interactions in tetra-n-butylphosphonium salts studied by gas chromatography. Journal of Chromatography A, 1988, 438, 1-14.	3.7	47
77	Polycyclic Aromatic Hydrocarbon Solute Probes: Effect of Solvent Polarity on the Ovalene and Benzo[ghi]perylene Fluorescence Emission Fine Structures. Applied Spectroscopy, 1988, 42, 1525-1531.	2.2	47
78	Modern thin-layer chromatography. Analytical Chemistry, 1989, 61, 1257A-1269A.	6.5	46
79	Selectivity equivalence of poly(ethylene glycol) stationary phases for gas chromatography. Journal of Chromatography A, 2000, 898, 211-226.	3.7	46
80	Revised solute descriptors for characterizing retention properties of open-tubular columns in gas chromatography and their application to a carboraneâ€"siloxane copolymer stationary phase. Journal of Chromatography A, 2006, 1104, 299-312.	3.7	46
81	Wayne State University experimental descriptor database for use with the solvation parameter model. Journal of Chromatography A, 2020, 1617, 460841.	3.7	46
82	Survey of organic molten salt phases for gas chromatography. Journal of Chromatography A, 1984, 289, 299-320.	3.7	45
83	On-line supercritical fluid extraction and chromatography of organotins with packed microbore columns and formic acid modified carbon dioxide. Fresenius' Journal of Analytical Chemistry, 1992, 344, 426-434.	1.5	45
84	Evaluation of a reversed-phase column (Supelcosil LC-ABZ) under isocratic and gradient elution conditions for estimating octanolâ€"water partition coefficients. Analyst, The, 2003, 128, 427-433.	3.5	45
85	Retention of Neutral Organic Compounds From Solution on Carbon Adsorbents. Analytical Communications, 1997, 34, 247-251.	2.2	44
86	Totally organic biphasic solvent systems for extraction and descriptor determinations. Journal of Separation Science, 2013, 36, 96-109.	2.5	44
87	Influence of solute size and site-specific surface interactions on the prediction of retention in liquid chromatography using the solvation parameter model. Analyst, The, 1998, 123, 1265-1270.	3.5	42
88	Extraction for analytical scale sample preparation (IUPAC Technical Report). Pure and Applied Chemistry, 2016, 88, 649-687.	1.9	42
89	Solute effects on reversed-phase thin-layer chromatography a linear free energy relationship analysis. Journal of Chromatography A, 1996, 749, 201-209.	3.7	41
90	Evaluation of tetraalkylammonium tetrafluoroborate salts as high-temperature stationary phases for packed and open-tubular column gas chromatography. Journal of Chromatography A, 1985, 349, 249-265.	3.7	40

#	Article	IF	Citations
91	Solvation parameter model: Tutorial on its application to separation systems for neutral compounds. Journal of Chromatography A, 2021, 1645, 462108.	3.7	40
92	Influence of solute size and the non-polar interaction term on the selection of test solutes for the classification of stationary phase selectivity in gas chromatography. Journal of Chromatography A, 1991, 556, 457-484.	3.7	39
93	Influence of Composition on the Selectivity of a Mixed-micellar Buffer in Micellar Electrokinetic Chromatography. Analytical Communications, 1997, 34, 57-62.	2.2	39
94	Selectivity assessment of popular stationary phases for open-tubular column gas chromatography. Journal of Chromatography A, 2001, 912, 107-117.	3.7	39
95	Solute-solvent interactions in liquid alkylammonium 4-toluenesulfonate salts studied by gas chromatography. Analytical Chemistry, 1987, 59, 1170-1176.	6.5	38
96	Chromatographic test methods for characterizing alkylsiloxane-bonded silica columns for reversed-phase liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 207-219.	2.3	38
97	Insights into the retention mechanism on an octadecylsiloxane-bonded silica stationary phase (HyPURITY C18) in reversed-phase liquid chromatography. Journal of Chromatography A, 2006, 1115, 133-141.	3.7	37
98	Partition constant database for totally organic biphasic systems. Journal of Chromatography A, 2017, 1527, 18-32.	3.7	37
99	Influence of Solvent Effects on Retention of Small Molecules in Reversed-Phase Liquid Chromatography. Chromatographia, 2019, 82, 49-64.	1.3	37
100	Retention characteristics of octadecylsiloxane-bonded silica and porous polymer particle-loaded membranes for solid-phase extraction. Journal of Chromatography A, 1995, 697, 89-99.	3.7	36
101	Distribution of neutral organic compounds between n-heptane and fluorine-containing alcohols. Journal of Chromatography A, 2007, 1143, 276-283.	3.7	36
102	Considerations for using the solvent selectivity triangle approach for stationary phase characterization. Journal of Chromatography A, 1988, 452, 191-208.	3.7	35
103	Hydrogen bonding. Journal of Chromatography A, 1993, 646, 351-360.	3.7	35
104	Influence of solvent effects on the breakthrough volume in solid-phase extraction using porous polymer particle-loaded membranes. Analyst, The, 1995, 120, 1733.	3.5	35
105	Model for the distribution of neutral organic compounds between n-hexane and acetonitrile. Journal of Chromatography A, 2006, 1104, 82-90.	3.7	35
106	Solvent classification for chromatography and extraction. Journal of Planar Chromatography - Modern TLC, 2012, 25, 190-199.	1.2	35
107	Glossary of terms used in extraction (IUPAC Recommendations 2016). Pure and Applied Chemistry, 2016, 88, 517-558.	1.9	35
108	Extension of the system constants database for open-tubular columns: System maps at low and intermediate temperatures for four new columns. Journal of Chromatography A, 2009, 1216, 1640-1649.	3.7	34

#	Article	IF	Citations
109	Instrument platforms for thin-layer chromatography. Journal of Chromatography A, 2015, 1421, 184-202.	3.7	34
110	Changes in retention and polarity accompanying the replacement of hydrogen by fluorine in tetraalkylammonium alkyl- and arylsulfonate salts used as stationary phases in gas chromatography. Journal of Chromatography A, 1989, 468, 261-278.	3.7	33
111	Determination of an organotin stabilizer in a rigid poly(vinyl chloride) plastic by on-line supercritical fluid extraction and chromatography with formic acid modified carbon dioxide and flame ionization detection. Journal of High Resolution Chromatography, 1993, 16, 198-202.	1.4	33
112	Models for estimating the non-specific toxicity of organic compounds in short-term bioassays. Analyst, The, 2000, 125, 127-132.	3.5	33
113	Determination of descriptors for fragrance compounds by gas chromatography and liquidâ€“liquid partition. Journal of Chromatography A, 2012, 1235, 159-165.	3.7	33
114	Derivatization reactions for use with the electron-capture detector. Journal of Chromatography A, 2013, 1296, 15-24.	3.7	33
115	Reversed-phase liquid chromatography system constant database over an extended mobile phase composition range for 25 siloxane-bonded silica-based columns. Journal of Chromatography A, 2019, 1600, 112-126.	3.7	33
116	Identification of the procedural steps that affect recovery of semi-volatile compounds by solid-phase extraction using cartridge and particle-loaded membrane (disk) devices. Analytica Chimica Acta, 1994, 294, 113-126.	5.4	32
117	Structure-driven retention model for solvent selection and optimization in reversed-phase thin-layer chromatography. Journal of Chromatography A, 1998, 802, 335-347.	3.7	32
118	Progress in packed column supercritical fluid chromatography: materials and methods. Journal of Proteomics, 2000, 43, 3-23.	2.4	32
119	Derivatization Techniques for the Electron-Capture Detector. Analytical Chemistry, 1980, 52, 1002A-1016A.	6.5	31
120	Solvent-assisted supercritical fluid extraction for the isolation of semivolatile flavor compounds from the cinnamons of commerce and their separation by series-coupled column gas chromatography. Journal of High Resolution Chromatography, 1995, 18, 461-471.	1.4	31
121	A General Model for the Optimization of Sample Processing Conditions by Solid-Phase Extraction Applied to the Isolation of Estrogens from Urine. Journal of High Resolution Chromatography, 1998, 21, 481-490.	1.4	31
122	Comparison of solvent models for characterizing stationary phase selectivity in gas chromatography. Journal of Chromatography A, 1989, 471, 91-103.	3.7	30
123	Some practical aspects of column design for packed-column supercritical-fluid chromatography. Journal of Chromatography A, 1989, 468, 127-144.	3.7	30
124	System Maps for RP-LC on an Octadecylsiloxane-Bonded Silica Stationary Phase (SunFire C18). Chromatographia, 2008, 68, 11-17.	1.3	30
125	Retention properties of a cyanopropylsiloxane-bonded silica-based sorbent for solid-phase extraction. Journal of High Resolution Chromatography, 1995, 18, 226-230.	1.4	29
126	Selectivity equivalence of poly(dimethyldiphenylsiloxane) stationary phases for open-tubular column gas chromatography. Journal of Separation Science, 2001, 24, 129-135.	2.5	29

#	Article	IF	Citations
127	System maps for retention of neutral organic compounds under isocratic conditions on a reversed-phase monolithic column. Journal of Chromatography A, 2003, 1003, 113-121.	3.7	29
128	Models for liquidâ€“liquid partition in the system propylene carbonateâ€“organic solvent and their use for estimating descriptors for organic compounds. Journal of Chromatography A, 2011, 1218, 809-816.	3.7	29
129	Gas chromatography system constant database for 52 wall-coated, open-tubular columns covering the temperature range 60â€“140ÂÂ°C. Journal of Chromatography A, 2019, 1604, 460482.	3.7	29
130	Systematic search for surrogate chromatographic models of biopartitioning processes. Analyst, The, 2002, 127, 724-729.	3.5	28
131	Distribution of neutral organic compounds betweenn-heptane and methanol orN,N-dimethylformamide. Journal of Separation Science, 2006, 29, 2158-2165.	2.5	28
132	Models for Liquidâ€“Liquid Partition in the System Ethylene Glycolâ€“Organic Solvent and Their Use for Estimating Descriptors for Organic Compounds. Chromatographia, 2011, 73, 941-951.	1.3	28
133	Determination of Descriptors for Plasticizers by Chromatography and Liquidâ€“Liquid Partition. Chromatographia, 2012, 75, 1135-1146.	1.3	28
134	Preparation and properties of open tubular columns coated with tetra-n-butylammonium tetrafluoroborate. Analytical Chemistry, 1984, 56, 2509-2512.	6.5	27
135	Sampling characteristics of octadecylsiloxane-bonded silica particle-embedded glass fiber discs for solid-phase extraction. Journal of Chromatography A, 1995, 695, 267-277.	3.7	27
136	Variation of selectivity with composition for a mixed-micellar buffer in micellar electrokinetic chromatography. Journal of High Resolution Chromatography, 1997, 20, 174-178.	1.4	27
137	Gas chromatography system constant database over an extended temperature range for nine open-tubular columns. Journal of Chromatography A, 2019, 1590, 130-145.	3.7	27
138	Selectivity evaluation of core-shell silica columns for reversed-phase liquid chromatography using the solvation parameter model. Journal of Chromatography A, 2020, 1634, 461692.	3.7	27
139	Determination of physicochemical properties of small molecules by reversed-phase liquid chromatography. Journal of Chromatography A, 2020, 1626, 461427.	3.7	27
140	Application of multivariate analysis to the selection of test solutes for characterizing stationary phase selectivity in gas chromatography. Journal of Chromatography A, 1991, 550, 213-237.	3.7	26
141	Applications of ethylammonium and propylammonium nitrate solvents in liquid-liquid extraction and chromatography. Analytica Chimica Acta, 1990, 236, 51-62.	5.4	25
142	Comparison of uncorrected retention data on a capillary and a packed hexadecane column with corrected retention data on a packed squalane column. Journal of Chromatography A, 1994, 688, 125-134.	3.7	25
143	Selectivity assessment of DB-200 and DB-VRX open-tubular capillary columns. Journal of Chromatography A, 2001, 932, 171-177.	3.7	25
144	Comparison of the Separation Characteristics of the Organicâ€“Inorganic Hybrid Stationary Phases XBridge C8 and Phenyl and XTerra Phenyl in RP-LC. Chromatographia, 2008, 68, 491-500.	1.3	25

#	Article	IF	Citations
145	Estimation of descriptors for hydrogen-bonding compounds from chromatographic and liquid-liquid partition measurements. Journal of Chromatography A, 2017, 1526, 13-22.	3.7	24
146	Evaluation of the solvation parameter model as a quantitative structure-retention relationship model for gas and liquid chromatography. Journal of Chromatography A, 2020, 1626, 461308.	3.7	24
147	Sorption properties of styreneâ€“divinylbenzene macroreticular porous polymers. Analytical Communications, 1996, 33, 353-356.	2.2	23
148	Influence of composition and temperature on the selectivity of stationary phases containing either mixtures of poly(ethylene glycol) and poly(dimethylsiloxane) or copolymers of cyanopropylphenylsiloxane and dimethylsiloxane for open-tubular column gas chromatography. Journal of Separation Science, 2002, 25, 749-759.	2.5	23
149	Comparison of the Separation Characteristics of the Organicâ€“Inorganic Hybrid Octadecyl Stationary Phases XTerra MS C18 and XBridge C18 and Shield RP18 in RPLC. Chromatographia, 2007, 66, 453-460.	1.3	23
150	Model for the partition of neutral compounds between nâ€heptane and formamide. Journal of Separation Science, 2010, 33, 1167-1173.	2.5	23
151	Determination of descriptors for polycyclic aromatic hydrocarbons and related compounds by chromatographic methods and liquidâ€“liquid partition in totally organic biphasic systems. Journal of Chromatography A, 2014, 1361, 240-254.	3.7	23
152	Variation in the gas chromatographic stationary phase propertiesof tetra-n-butylammonium salts as a function of the anion type. Journal of Chromatography A, 1985, 349, 235-247.	3.7	22
153	Preparation of environmental samples for the determination of polycyclic aromatic hydrocarbons by thin-layer chromatography. Journal of Chromatography A, 1987, 400, 323-341.	3.7	22
154	Mixture-design approach to retention prediction using the solvation parameter model and ternary solvent systems in reversed-phase liquid chromatography. Analytical Communications, 1998, 35, 253-256.	2.2	22
155	Selectivity equivalence of two poly(methylphenylsiloxane) open-tubular columns prepared with different deactivation techniques for gas chromatography. Journal of Chromatography A, 2008, 1185, 305-309.	3.7	22
156	Compounds for expanding the descriptor space for characterizing separation systems. Journal of Chromatography A, 2012, 1266, 124-130.	3.7	22
157	Selection of calibration compounds for selectivity evaluation of siloxane-bonded silica columns for reversed-phase liquid chromatography by the solvation parameter model. Journal of Chromatography A, 2020, 1633, 461652.	3.7	22
158	Determination of Polycyclic Aromatic Hydrocarbons in Environmental Samples by High Performance Thin-Layer Chromatography and Fluorescence Scanning Densitometry. Journal of Chromatographic Science, 1985, 23, 200-207.	1.4	21
159	Polycyclic Aromatic Hydrocarbon Solute Probes. Part V: Fluorescence Spectra of Pyrene, Ovalene, Coronene, and Benzo[ghi]perylene Dissolved in Liquid Alkylammonium Thiocyanate Organic Salts. Applied Spectroscopy, 1989, 43, 1149-1153.	2.2	21
160	Application of principal component factor analysis to the cavity model of solvation to identify factors important in characterizing the solvent properties of gas chromatographic stationary phases. Journal of Chromatography A, 1995, 697, 429-440.	3.7	21
161	Solvation in weak complexing n-octyl phthalate and n-octyl tetrachlorophthalate solvents by gas chromatography. Journal of Chromatography A, 1996, 726, 141-151.	3.7	21
162	Models for liquidâ€“liquid partition in the system formamideâ€“organic solvent and their use for estimating descriptors for organic compounds. Talanta, 2011, 83, 1118-1125.	5.5	21

#	Article	IF	Citations
163	Models for liquidâ€“liquid partition in the system dimethyl sulfoxideâ€“organic solvent and their use for estimating descriptors for organic compounds. Journal of Chromatography A, 2011, 1218, 4525-4536.	3.7	21
164	Selection of calibration compounds for selectivity evaluation of wall-coated, open-tubular columns for gas chromatography by the solvation parameter model. Journal of Chromatography A, 2020, 1629, 461500.	3.7	21
165	Influence of phase loading on the performance of whisker-walled open tubular columns coated with organic molten salts. Journal of Chromatography A, 1985, 324, 415-421.	3.7	20
166	Separation characteristics of phenyl-containing stationary phases for gas chromatography based on silarylene-siloxane copolymer chemistries. Journal of Separation Science, 2006, 29, 211-217.	2.5	20
167	Recent advances in analytical methods for the determination of citrinin in food matrices. Journal of Chromatography A, 2020, 1627, 461399.	3.7	20
168	Determination of physicochemical properties of ionic liquids by gas chromatography. Journal of Chromatography A, 2021, 1644, 461964.	3.7	20
169	A comparison of formic acid and formamide as modifiers of supercritical carbon dioxide compatible with flame ionization detection. Journal of High Resolution Chromatography, 1993, 16, 130-134.	1.4	19
170	Computer-assisted optimization of the gas chromatographic separation of equine estrogens. Biomedical Applications, 1993, 617, 19-27.	1.7	19
171	Characteristic Stationary Phase Constants for Two Popular Open-Tubular Column Stationary Phases for Gas Chromatography. Journal of High Resolution Chromatography, 2000, 23, 603-608.	1.4	19
172	Chapter 12 Principles and practice of solid-phase extraction. Comprehensive Analytical Chemistry, 2002, 37, 341-387.	1.3	19
173	System constants for the bis(cyanopropylsiloxane)-co-methylsilarylene HP-88 and poly(siloxane) Rtx-440 stationary phases. Journal of Chromatography A, 2005, 1081, 248-254.	3.7	19
174	Evaluation of the separation characteristics of application-specific (pesticides and dioxins) open-tubular columns for gas chromatography. Journal of Chromatography A, 2006, 1128, 228-235.	3.7	19
175	Distribution model for Folch partition. Journal of Separation Science, 2007, 30, 2326-2331.	2.5	19
176	Evaluation of Triethylamine as a Counter Solvent in Totally Organic Biphasic Liquidâ€“Liquid Partition Systems. Chromatographia, 2013, 76, 1031-1039.	1.3	19
177	System maps for retention of small neutral compounds on a superficially porous particle column in reversed-phase liquid chromatography. Journal of Chromatography A, 2016, 1468, 250-256.	3.7	19
178	Gas chromatographic stationary phase properties of two room-temperature liquid organi salts. Analytica Chimica Acta, 1987, 192, 49-61.	5.4	18
179	Factors Affecting the Interpretation of Selectivity on Synergi Reversed-Phase Columns. Chromatographia, 2010, 71, 185-193.	1.3	18
180	An interphase model for retention in liquid chromatography. Journal of Planar Chromatography - Modern TLC, 2015, 28, 98-105.	1.2	18

#	Article	IF	Citations
181	Sorption characteristics of a wide pore, butylsiloxane-bonded silica sorbent for solid-phase extraction. Analytical Communications, 1998, 35, 147-152.	2.2	17
182	Selectivity differences between sol-gel coated and immobilized liquid film open-tubular columns for gas chromatography. Analyst, The, 2002, 127, 1608-1613.	3.5	17
183	Models for the adsorption of organic compounds at gasâ€“water interfaces. Journal of Environmental Monitoring, 2005, 7, 577.	2.1	17
184	Evaluation of the separation characteristics of application-specific (fatty acid methyl esters) open-tubular columns for gas chromatography. Journal of Separation Science, 2007, 30, 740-745.	2.5	17
185	Qualitative identification of polycyclic aromatic hydrocarbons by high-performance thin-layer chromatography and fluorescence scanning densitometry. Journal of Chromatography A, 1984, 290, 113-126.	3.7	16
186	Progress in planar chromatography. TrAC - Trends in Analytical Chemistry, 1985, 4, 209-213.	11.4	16
187	Chemical interactions as a possible limitation on the useful solvent properties of liquid alkylammonium salts. Journal of Chromatography A, 1988, 435, 17-28.	3.7	16
188	Thin-Layer Chromatography. , 2003, , 499-567.		16
189	The hydrogen bond acidity and other descriptors for oximes. New Journal of Chemistry, 2009, 33, 76-81.	2.8	16
190	A System Map for the Ionic Liquid Stationary Phase 1,9-Di(3-vinylimidazolium)nonane Bis(trifluoromethylsulfonyl)imide. Chromatographia, 2015, 78, 81-88.	1.3	16
191	System map for the ionic liquid stationary phase tri(tripropylphosphoniumhexanamido)triethylamine bis(trifluoromethylsulfonyl)imide for gas chromatography. Journal of Chromatography A, 2017, 1524, 210-214.	3.7	16
192	Applications of Ionic Liquids in Extraction, Chromatography, and Electrophoresis. Advances in Chromatography, 2006, 45, 89-124.	1.0	16
193	Structural Effects on the Hydrogen-Bonding Descriptors of the Solvation Parameter Model. Journal of Solution Chemistry, 2022, 51, 1056-1080.	1.2	16
194	Evaluation of a structure-driven retention model for temperature-programmed gas chromatography. Journal of Chromatography A, 2004, 1023, 113-121.	3.7	15
195	A system map for the ionic liquid stationary phase 1,12-di(tripropylphosphonium)dodecane bis(trifluoromethylsulfonyl)imide trifluoromethanesulfonate for gas chromatography. Journal of Chromatography A, 2018, 1559, 164-169.	3.7	15
196	Fast atom bombardment mass spectra of some alkylammonium nitrate and thiocyante salts. Organic Mass Spectrometry, 1985, 20, 377-379.	1.3	14
197	Correlation of solute retention in gas chromatography with properties of the anion for tetra-n-butylammonium salts. Analytica Chimica Acta, 1987, 192, 255-265.	5.4	14
198	Benzo[ghi]perylene versus pyrene as solute probes for polarity determination of liquid organic salts used in chromatography. Analyst, The, 1988, 113, 1869.	3.5	14

#	Article	IF	Citations
199	Structure-driven Retention Optimization Model for Reversed Phase Thin-layer Chromatography. Analytical Communications, 1997, 34, 195-198.	2.2	14
200	Models for the sorption of volatile organic compounds by diesel soot and atmospheric aerosols. Journal of Environmental Monitoring, 2009, 11, 815.	2.1	14
201	Models for Liquidâ€“Liquid Partition in the System Ethanolamine-Organic Solvent and Their Use for Estimating Descriptors for Organic Compounds. Chromatographia, 2013, 76, 157-164.	1.3	14
202	Liquid chromatography with room temperature ionic liquids. Journal of Planar Chromatography - Modern TLC, 2017, 30, 97-105.	1.2	14
203	Some practical experiences in the use of a solventless injection system for packed column supercritical fluid chromatography. Journal of High Resolution Chromatography, 1992, 15, 65-70.	1.4	13
204	Non-specific retention characteristics of dissolved Î²-cyclodextrin derivatives in open tubular column gas chromatography. Journal of Separation Science, 2003, 26, 1111-1118.	2.5	13
205	Assessment of the selectivity equivalence of DB-608 and DB-624 open-tubular columns for gas chromatography. Journal of Separation Science, 2004, 27, 1333-1338.	2.5	13
206	System Maps for Retention of Small Neutral Compounds on a Superficially Porous Ethyl-Bridged, Octadecylsiloxane-Bonded Silica Stationary Phase in Reversed-Phase Liquid Chromatography. Chromatographia, 2017, 80, 1279-1286.	1.3	13
207	Insights into the Retention Mechanism for Small Neutral Compounds on Silica-Based Phenyl Phases in Reversed-Phase Liquid Chromatography. Chromatographia, 2018, 81, 225-238.	1.3	13
208	Evaluation of the separation characteristics of application-specific (volatile organic compounds) open-tubular columns for gas chromatography. Journal of Chromatography A, 2006, 1134, 284-290.	3.7	12
209	Solvent Selection for Liquid-Phase Extraction. , 2020, , 45-89.		12
210	Study of system properties in reversed-phase liquid chromatography for binary and ternary solvent mobile phase compositions using the solvation parameter model. Journal of Chromatography Open, 2022, 2, 100039.	2.2	12
211	General Concepts in Column Chromatography. , 2003, , 1-78.		11
212	Insights into the Retention Mechanism of Small Neutral Compounds on Octylsiloxane-Bonded and Diisobutyloctadecylsiloxane-Bonded Silica Stationary Phases in Reversed-Phase Liquid Chromatography. Chromatographia, 2018, 81, 373-385.	1.3	11
213	Milestones in the Development of Liquid-Phase Extraction Techniques. , 2020, , 1-44.		11
214	System maps for retention of small neutral compounds on a biphenylsiloxane-bonded silica stationary phase in reversed-phase liquid chromatography. Journal of Chromatography A, 2016, 1478, 68-74.	3.7	9
215	A system map for the ionic liquid stationary phase 1,12-di(tripropylphosphonium)dodecane bis(trifluoromethylsulfonyl)imide for gas chromatography. Journal of Chromatography A, 2017, 1525, 138-144.	3.7	9
216	Analysis of the solvent strength parameter (linear solvent strength model) for isocratic separations in reversed-phase liquid chromatography. Journal of Chromatography A, 2022, 1675, 463153.	3.7	9

#	Article	IF	Citations
217	Microreactions in separation science: Reagents and techniques. Journal of Chromatography A, 2013, 1296, 1.	3.7	8
218	System Maps for the Retention of Neutral Compounds on an Electrostatic-Shielded Reversed-Phase Column. Chromatographia, 2019, 82, 799-808.	1.3	8
219	Applications of the solvation parameter model in thin-layer chromatography. Journal of Planar Chromatography - Modern TLC, 2022, 35, 207-227.	1.2	8
220	Study of the formation of the 2,4-dichlorobenzeneboronate derivative of 1-isopropylaminopropan-2-ol by transboronation. Journal of Chromatography A, 1981, 205, 297-302.	3.7	7
221	Variation of selectivity among the poly(siloxane) stationary phases for gas chromatography. Journal of Separation Science, 1995, 7, 497-504.	1.0	7
222	Reversed-phase liquid chromatography. , 2017, , 91-123.		7
223	Capillary-Electromigration Separation Techniques. , 2003, , 619-717.		6
224	Core concepts and milestones in the development of solid-phase extraction. , 2020, , 1-36.		5
225	Fast atom bombardment mass spectra of some tetra-n-butylammonium salts. Organic Mass Spectrometry, 1987, 22, 377-378.	1.3	4
226	Optimization of an electrolytic conductivity detector for determination of toxic nitrogen-containing food contaminants separated by open tubular column gas chromatography. Journal of High Resolution Chromatography, 1992, 15, 124-127.	1.4	4
227	The Column in Liquid Chromatography. , 2003, , 267-429.		4
228	Classification and Selection of Open-Tubular Columns for Analytical Separations. , 2012, , 137-159.		4
229	The Column in Gas Chromatography. , 2003, , 79-170.		3
230	Editorial on â€œMiniaturized planar chromatography using office peripherals â€“ Office chromatographyâ€• by Gertrud E. Morlock. Journal of Chromatography A, 2015, 1382, 86.	3.7	3
231	Solvent Selection and MethodÂDevelopment. , 2015, , 313-350.		3
232	Conventional detectors for gas chromatography. , 2021, , 343-369.		3
233	Packed Columns for Gasâ€“Liquid and Gasâ€“Solid Chromatography. , 2012, , 97-121.		2
234	High-Performance Precoated Stationary Phases. , 2015, , 31-51.		2

#	Article	IF	Citations
235	Selectivity equivalence of poly(dimethyldiphenylsiloxane) stationary phases for open-tubular column gas chromatography. Journal of Separation Science, 2001, 24, 129-135.	2.5	2
236	Separation of Stereoisomers. , 2003, , 793-845.		1
237	Instrumental Aspects of Liquid Chromatography. , 2003, , 431-497.		1
238	Supercritical Fluid Chromatography. , 2003, , 569-617.		1
239	Selectivity Characterization of Pseudostationary Phases Using the Solvation Parameter Model. , 0, , 55-78.		1
240	Foreword. Journal of Chromatography A, 2011, 1218, 2635.	3.7	1
241	Editorial on â€œSegmented flow and curtain flow chromatography: Overcoming the wall effect and heterogeneous bed structuresâ€•by R.A. Shalliker and H. Ritchie. Journal of Chromatography A, 2014, 1335, 121.	3.7	1
242	Editorial on â€œMulti-way chromatographic calibration â€“ A reviewâ€•by Graciela M. Escandar and Alejandro Olivieri. Journal of Chromatography A, 2019, 1587, 1.	3.7	1
243	Evaluation of a structure-driven retention model for temperature-programmed gas chromatography. Journal of Chromatography A, 2003, 1023, 113-113.	3.7	0
244	Chromatographic and Spectroscopic Methods for the Determination of Solvent Properties of Room Temperature Ionic Liquids. ChemInform, 2004, 35, no.	0.0	0
245	Reply to the â€˜Comment on â€œModels for the adsorption of organic compounds at gasâ€“water interfacesâ€â€‰â€™ by K.-U. Goss, H.-P. Arp and C. Roth, JEM, 2005, 7, DOI: 10.1039/b511194c. Journal of Environmental Monitoring, 2005, 7, 1107.	2.1	0
246	The Mobile Phase in Adsorption and Partition Chromatography. , 2010, , 81-103.		0
247	Milestones, Core Concepts, and Contrasts. , 2015, , 1-29.		0
248	Editorial on â€œDescriptors for ions and ion-pairs for use in linear free energy relationshipsâ€•by Michael H. Abraham and William E. Acree. Journal of Chromatography A, 2016, 1430, 1.	3.7	0
249	Somenath Mitra, Pradyot Patnaik and Barbara B. Kebbekus: Environmental Chemical Analysis, 2nd Edn. Chromatographia, 2019, 82, 1297-1298.	1.3	0
250	Totally Organic Biphasic Systems. , 2020, , 265-288.		0
251	Sample preparation for gas chromatography. , 2021, , 615-653.		0
252	Column technology. , 2021, , 141-163.		0

#	Article	IF	Citations
253	Column classification and structure-retention relationships. , 2021, , 165-190.		0