

Attila Felinger

List of Publications by Year in descending order

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154
papers

3,514
citations

136950

32
h-index

197818

49
g-index

159
all docs

159
docs citations

159
times ranked

1948
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The impact of placement, experimental conditions, and injections on mass flow measurements in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2022, 1668, 462919. | 3.7 | 1 |
| 2 | The adsorption of methanol on reversed phase stationary phases in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2021, 1653, 462386. | 3.7 | 1 |
| 3 | The correctness of van Deemter Hoff plots in chiral and achiral chromatography. <i>Journal of Chromatography A</i> , 2020, 1611, 460594. | 3.7 | 27 |
| 4 | Separation of enantiomers of chiral basic drugs with amylose- and cellulose- phenylcarbamate-based chiral columns in acetonitrile and aqueous-acetonitrile in high-performance liquid chromatography with a focus on substituent electron-donor and electron-acceptor effects. <i>Journal of Chromatography A</i> , 2020, 1624, 461218. | 3.7 | 19 |
| 5 | Flow-Reversal Experiments with Macromolecules to Measure Column End Efficiency and Bed Heterogeneity. <i>Chromatographia</i> , 2019, 82, 1303-1309. | 1.3 | 5 |
| 6 | Modeling the competitive adsorption of sample solvent and solute in supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2019, 1603, 348-354. | 3.7 | 9 |
| 7 | The effect of column packing procedure on column end efficiency and on bed heterogeneity – Experiments with flow-reversal. <i>Journal of Chromatography A</i> , 2019, 1603, 412-416. | 3.7 | 15 |
| 8 | Subantimicrobial Dose Doxycycline Worsens Chronic Arthritis-Induced Bone Microarchitectural Alterations in a Mouse Model: Role of Matrix Metalloproteinases?. <i>Frontiers in Pharmacology</i> , 2019, 10, 233. | 3.5 | 1 |
| 9 | The use of alteration analysis in supercritical fluid chromatography to monitor changes in a series of chromatograms. <i>Journal of Chromatography A</i> , 2019, 1596, 217-225. | 3.7 | 1 |
| 10 | Influence of pressure on the retention of resorcinarene-based cavitands. <i>Journal of Chromatography A</i> , 2018, 1535, 123-128. | 3.7 | 2 |
| 11 | Use of non-living lyophilized <i>Phanerochaete chrysosporium</i> cultivated in various media for phenol removal. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8550-8562. | 5.3 | 8 |
| 12 | The effect of the frictional heat on retention and efficiency in thermostated or insulated chromatographic columns packed with sub-2- μ m particles. <i>Journal of Chromatography A</i> , 2018, 1565, 89-95. | 3.7 | 6 |
| 13 | Characterization of radial and axial heterogeneities of chromatographic columns by flow reversal. <i>Journal of Chromatography A</i> , 2018, 1567, 164-176. | 3.7 | 19 |
| 14 | Rate constant determination of interconverting enantiomers by chiral chromatography using a stochastic model. <i>Journal of Chromatography A</i> , 2018, 1564, 155-162. | 3.7 | 8 |
| 15 | Investigation of the temperature dependence of water adsorption on silica-based stationary phases in hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1489, 143-148. | 3.7 | 12 |
| 16 | Multilayer adsorption in liquid chromatography – The surface heterogeneity below an adsorbed multilayer. <i>Journal of Chromatography A</i> , 2017, 1505, 50-55. | 3.7 | 4 |
| 17 | Kinetic theories of liquid chromatography. , 2017, , 17-37. | | 0 |
| 18 | Exploring the changes in a series of measurements – The comparison of the two-dimensional correlation analysis and the alteration analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 168, 28-37. | 3.5 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Hydrophilic interaction liquid chromatography. , 2017, , 147-169. | | 1 |
| 20 | Inverse Size-Exclusion Chromatography. , 2017, , 205-227. | | 1 |
| 21 | Bioactive Constituents and Antioxidant Activity of Some Carpathian Basin Honeys. Natural Product Communications, 2016, 11, 1934578X1601100. | 0.5 | 4 |
| 22 | Investigation of retention mechanism of resorcinarene based cavitands by linear and nonlinear chromatography. Journal of Chromatography A, 2016, 1456, 152-161. | 3.7 | 5 |
| 23 | Introduction to "Comparing the optimum performance of the different modes of preparative liquid chromatography" by A. Felinger, G. Guiochon [J. Chromatogr. A 796 (1998) 59-74]. Journal of Chromatography A, 2016, 1446, 2-3. | 3.7 | 1 |
| 24 | Correlation analysis on 3D data "Introducing the alteration analysis. Chemometrics and Intelligent Laboratory Systems, 2016, 158, 54-60. | 3.5 | 3 |
| 25 | Comparison of the kinetic performance of different columns for fast liquid chromatography, emphasizing the contributions of column end structure. Journal of Chromatography A, 2016, 1473, 99-108. | 3.7 | 30 |
| 26 | Column studies of heavy metal biosorption by immobilized <i>Spirulina platensis</i> - <i>Spirulina maxima</i> cells. Desalination and Water Treatment, 2016, 57, 28340-28348. | 1.0 | 10 |
| 27 | Microscopic models of liquid chromatography: From ensemble-averaged information to resolution of fundamental viewpoint at single-molecule level. TrAC - Trends in Analytical Chemistry, 2016, 81, 63-68. | 11.4 | 8 |
| 28 | Effects of concurrent caffeine and mobile phone exposure on local target probability processing in the human brain. Scientific Reports, 2015, 5, 14434. | 3.3 | 10 |
| 29 | Retention behavior of resorcinarene-based cavitands on C_{80} and C_{180} stationary phases. Journal of Separation Science, 2015, 38, 2975-2982. | 2.5 | 3 |
| 30 | In Memoriam of Georges Guiochon (1931-2014). Electrophoresis, 2015, 36, 642-643. | 2.4 | 0 |
| 31 | Protein and alkaloid patterns of the floral nectar in some solanaceous species. Acta Biologica Hungarica, 2015, 66, 304-315. | 0.7 | 7 |
| 32 | Two-dimensional correlation analysis of the reproducibility of high-performance liquid chromatography columns. Journal of Chromatography A, 2015, 1384, 115-123. | 3.7 | 12 |
| 33 | Biosorption characteristics of <i>Spirulina</i> and <i>Chlorella</i> cells to accumulate heavy metals. Journal of the Serbian Chemical Society, 2015, 80, 407-419. | 0.8 | 14 |
| 34 | Influence of particle size and shell thickness of core-shell packing materials on optimum experimental conditions in preparative chromatography. Journal of Chromatography A, 2015, 1407, 100-105. | 3.7 | 10 |
| 35 | Performance of the same column in supercritical fluid chromatography and in liquid chromatography. Journal of Chromatography A, 2015, 1409, 234-240. | 3.7 | 7 |
| 36 | The myth of data acquisition rate. Analytica Chimica Acta, 2015, 854, 178-182. | 5.4 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Comparison of volume and concentration overloadings in preparative enantio-separations by supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2014, 1341, 57-64. | 3.7 | 9 |
| 38 | Determination of the pore size distribution of high-performance liquid chromatography stationary phases via inverse size exclusion chromatography. <i>Journal of Chromatography A</i> , 2014, 1339, 110-117. | 3.7 | 19 |
| 39 | Molecular theory of size exclusion chromatography for wide pore size distributions. <i>Journal of Chromatography A</i> , 2014, 1331, 52-60. | 3.7 | 21 |
| 40 | 9th Balaton Symposium on High-Performance Separation Methods. <i>Chromatographia</i> , 2014, 77, 1117-1118. | 1.3 | 0 |
| 41 | Effect of particle size distribution on the separation efficiency in liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1361, 203-208. | 3.7 | 19 |
| 42 | The pore size distribution of the first and the second generation of silica monolithic stationary phases. <i>Journal of Chromatography A</i> , 2014, 1359, 112-116. | 3.7 | 10 |
| 43 | Lack of interaction between concurrent caffeine and mobile phone exposure on visual target detection: An ERP study. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 124, 412-420. | 2.9 | 12 |
| 44 | Polydispersity in size-exclusion chromatography: A stochastic approach. <i>Journal of Chromatography A</i> , 2014, 1365, 156-163. | 3.7 | 6 |
| 45 | Potential of Various Biosorbents for Zn(II) Removal. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 2.4 | 13 |
| 46 | Mass-transfer properties of insulin on core-shell and fully porous stationary phases. <i>Journal of Chromatography A</i> , 2014, 1366, 84-91. | 3.7 | 14 |
| 47 | Multilayer adsorption on fractal surfaces. <i>Journal of Chromatography A</i> , 2014, 1324, 121-127. | 3.7 | 20 |
| 48 | Validated HPLC Method for Simultaneous Quantitation of Bergenin, Arbutin, and Gallic Acid in Leaves of Different <i>Bergenia</i> Species. <i>Chromatographia</i> , 2014, 77, 1129-1135. | 1.3 | 11 |
| 49 | Volatile Composition of Macedonian and Hungarian Wines Assessed by GC/MS. <i>Food and Bioprocess Technology</i> , 2013, 6, 1609-1617. | 4.7 | 35 |
| 50 | Evaluation of surface excess isotherms in liquid chromatography. <i>Journal of Chromatography A</i> , 2013, 1291, 41-47. | 3.7 | 17 |
| 51 | Comparative study of the kinetics and equilibrium of phenol biosorption on immobilized white-rot fungus <i>Phanerochaete chrysosporium</i> from aqueous solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 381-390. | 5.0 | 28 |
| 52 | Hydrophilic Interaction Liquid Chromatography. , 2013, , 105-119. | | 3 |
| 53 | Kinetic Theories of Liquid Chromatography. , 2013, , 19-40. | | 2 |
| 54 | Phytochemical Evaluation of <i>Lythrum Salicaria</i> Extracts and Their Effects on Guinea-Pig Ileum. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800. | 0.5 | 3 |

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|----|--|------|-----------|
| 55 | Hydrophilic Interaction Liquid Chromatography and Per Aqueous Liquid Chromatography in Fungicides Analysis. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 1362-1370. | 1.5 | 12 |
| 56 | Artifacts in Liquid-Phase Separations—System, Solvent, and Impurity Peaks. <i>Chemical Reviews</i> , 2012, 112, 2629-2641. | 47.7 | 17 |
| 57 | Effect of polar interactions on the nonlinear behavior of phenol and aniline in reversed phase liquid chromatography. <i>Journal of Chromatography A</i> , 2012, 1228, 155-164. | 3.7 | 11 |
| 58 | Determination of tropane alkaloids atropine and scopolamine by liquid chromatography—mass spectrometry in plant organs of <i>Datura</i> species. <i>Journal of Chromatography A</i> , 2012, 1232, 295-301. | 3.7 | 103 |
| 59 | Estimation of chromatographic peak shape parameters in Fourier domain. <i>Talanta</i> , 2011, 83, 1074-1078. | 5.5 | 8 |
| 60 | Influence of the solvation process on solute adsorption in reversed phase liquid chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 1954-1965. | 3.7 | 5 |
| 61 | Diffusion time in core—shell packing materials. <i>Journal of Chromatography A</i> , 2011, 1218, 1939-1941. | 3.7 | 36 |
| 62 | Nonlinear Liquid Chromatography. <i>Chromatographic Science</i> , 2010, , 277-308. | 0.1 | 0 |
| 63 | Effect of End-Capping and Surface Coverage on the Mechanism of Solvent Adsorption. <i>Chromatographia</i> , 2010, 71, 5-11. | 1.3 | 19 |
| 64 | LC-MS Quantitative Determination of Atropine and Scopolamine in the Floral Nectar of <i>Datura</i> Species. <i>Chromatographia</i> , 2010, 71, 43-49. | 1.3 | 49 |
| 65 | 8th Balaton Symposium on High-Performance Separation Methods and 15th International Symposium on Separation Sciences. <i>Chromatographia</i> , 2010, 71, 1-2. | 1.3 | 10 |
| 66 | Comparison of the mass transfer in totally porous and superficially porous stationary phases in liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1307-1314. | 3.7 | 30 |
| 67 | Examination of the surface heterogeneity of reversed—phase packing materials with solvent adsorption. <i>Journal of Separation Science</i> , 2010, 33, 3644-3654. | 2.5 | 12 |
| 68 | Study of solvent adsorption on chemically bonded stationary phases by microcalorimetry and liquid chromatography. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 620-625. | 9.4 | 29 |
| 69 | Determination of polyphenolic compounds by liquid chromatography—mass spectrometry in <i>Thymus</i> species. <i>Journal of Chromatography A</i> , 2010, 1217, 7972-7980. | 3.7 | 128 |
| 70 | Adsorption equilibria of proline in hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 5965-5970. | 3.7 | 34 |
| 71 | Altered urinary profiles of endogenous steroids in postmenopausal women with adenocarcinoma endometrii. <i>Gynecological Endocrinology</i> , 2010, 26, 10-15. | 1.7 | 4 |
| 72 | Rapid estimation of overall mass-transfer coefficients in liquid chromatography. <i>Analytical Methods</i> , 2010, 2, 1989. | 2.7 | 2 |

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|----|---|-----|-----------|
| 73 | Macroscopic and microscopic analysis of mass transfer in reversed phase liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 1253-1262. | 3.7 | 15 |
| 74 | Excess Adsorption of Commonly Used Organic Solvents from Water on Nonend-Capped C18-Bonded Phases in Reversed-Phase Liquid Chromatography. <i>Analytical Chemistry</i> , 2009, 81, 6334-6346. | 6.5 | 57 |
| 75 | Retention controlling and peak shape simulation in anion chromatography using multiple equilibrium model and stochastic theory. <i>Journal of Chromatography A</i> , 2008, 1189, 42-51. | 3.7 | 10 |
| 76 | Excess isotherms as a new way for characterization of the columns for reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1191, 72-77. | 3.7 | 40 |
| 77 | Molecular dynamic theories in chromatography. <i>Journal of Chromatography A</i> , 2008, 1184, 20-41. | 3.7 | 60 |
| 78 | Solvent excess adsorption on the stationary phases for reversed-phase liquid chromatography with polar functional groups. <i>Journal of Chromatography A</i> , 2008, 1204, 35-41. | 3.7 | 48 |
| 79 | Comparison of Solvent Adsorption on Chemically Bonded Stationary Phases in RP-LC. <i>Chromatographia</i> , 2008, 68, 19-26. | 1.3 | 39 |
| 80 | Comments on "Temporal shifting: A hidden key to the skewed peak puzzle" by S.-C. Pai and L.-Y. Chiao. <i>Journal of Chromatography A</i> , 2007, 1148, 260-261. | 3.7 | 2 |
| 81 | Adsorption behavior of a teicoplanin aglycone bonded stationary phase under harsh overload conditions. <i>Journal of Chromatography A</i> , 2007, 1154, 277-286. | 3.7 | 20 |
| 82 | Adsorption of the enantiomers of 3-chloro-1-phenyl-propanol on silica-bonded chiral quinidine carbamate. <i>Journal of Chromatography A</i> , 2006, 1101, 158-170. | 3.7 | 18 |
| 83 | Determination of rate constants for heterogeneous mass transfer kinetics in liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1126, 120-128. | 3.7 | 21 |
| 84 | Influence of the errors made in the measurement of the extra-column volume on the accuracies of estimates of the column efficiency and the mass transfer kinetics parameters. <i>Journal of Chromatography A</i> , 2006, 1136, 57-72. | 3.7 | 91 |
| 85 | Introduction, Definitions, Goal. , 2006, , 1-18. | | 1 |
| 86 | Single-Component Equilibrium Isotherms. , 2006, , 67-149. | | 2 |
| 87 | Transfer Phenomena in Chromatography. , 2006, , 221-279. | | 1 |
| 88 | Linear Chromatography. , 2006, , 281-345. | | 69 |
| 89 | Optimization of the Experimental Conditions in Preparative Chromatography. , 2006, , 849-937. | | 1 |
| 90 | Kinetic Models and Single-Component Problems. , 2006, , 651-697. | | 0 |

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| 91 | Competitive Equilibrium Isotherms. , 2006, , 151-219. | | 1 |
| 92 | Two-Component Band Profiles with the Equilibrium-Dispersive Model. , 2006, , 531-568. | | 1 |
| 93 | The Mass Balance Equation of Chromatography and Its General Properties. , 2006, , 19-66. | | 1 |
| 94 | Kinetic Models and Multicomponent Problems. , 2006, , 735-777. | | 0 |
| 95 | Single-Component Profiles with the Equilibrium Dispersive Model. , 2006, , 471-529. | | 2 |
| 96 | Gradient Elution Chromatography under Nonlinear Conditions. , 2006, , 699-733. | | 0 |
| 97 | Modeling of overloaded gradient elution of nociceptin/orphanin FQ in reversed-phase liquid chromatography. Journal of Chromatography A, 2005, 1079, 162-172. | 3.7 | 26 |
| 98 | Single-Molecule Observation and Chromatography Unified by LÃ©vy Process Representation. Analytical Chemistry, 2005, 77, 2524-2535. | 6.5 | 19 |
| 99 | Stochastic Theory of Size Exclusion Chromatography:Â Peak Shape Analysis on Single Columns. Analytical Chemistry, 2005, 77, 3138-3148. | 6.5 | 39 |
| 100 | Repeatability and reproducibility of high-concentration data in reversed-phase liquid chromatography. Journal of Chromatography A, 2004, 1024, 21-38. | 3.7 | 30 |
| 101 | Measurement of intraparticle diffusion in reversed phase liquid chromatography. Chemical Engineering Science, 2004, 59, 3399-3412. | 3.8 | 29 |
| 102 | Wavelet analysis of the baseline noise in HPLC. Chemometrics and Intelligent Laboratory Systems, 2004, 72, 225-232. | 3.5 | 16 |
| 103 | Equivalence of the microscopic and macroscopic models of chromatography: stochasticâ€dispersive versus lumped kinetic model. Journal of Chromatography A, 2004, 1043, 149-157. | 3.7 | 41 |
| 104 | Decoding Two-Dimensional Complex Multicomponent Separations by Autocovariance Function. Analytical Chemistry, 2004, 76, 3055-3068. | 6.5 | 32 |
| 105 | Experimental validation of the stochastic theory of size-exclusion chromatography: Retention on single and coupled columns. Chromatographia, 2003, 57, S171-S186. | 1.3 | 34 |
| 106 | Decoding of complex isothermal chromatograms: Application to chromatograms recovered from space missions. Journal of Separation Science, 2003, 26, 569-577. | 2.5 | 14 |
| 107 | Comparison between adsorption isotherm determination techniques and overloaded band profiles on four batches of monolithic columns. Journal of Chromatography A, 2003, 1012, 139-149. | 3.7 | 41 |
| 108 | Overloaded gradient elution chromatography on heterogeneous adsorbents in reversed-phase liquid chromatography. Journal of Chromatography A, 2003, 1017, 45-61. | 3.7 | 41 |

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|-----|--|-----|-----------|
| 109 | Interpretation of chromatographic data recovered from space missions: decoding of complex chromatograms by Fourier analysis. <i>Planetary and Space Science</i> , 2003, 51, 581-590. | 1.7 | 6 |
| 110 | Prediction of Band Profiles of Mixtures of Bradykinin and Kallidin from Data Acquired by Competitive Frontal Analysis. <i>Biotechnology Progress</i> , 2003, 19, 945-954. | 2.6 | 24 |
| 111 | Numerical determination of the competitive isotherm of enantiomers. <i>Journal of Chromatography A</i> , 2003, 986, 207-225. | 3.7 | 159 |
| 112 | Determination of the single component and competitive adsorption isotherms of the 1-indanol enantiomers by the inverse method. <i>Journal of Chromatography A</i> , 2003, 1005, 35-49. | 3.7 | 98 |
| 113 | Monte Carlo Model of Nonlinear Chromatography: Correspondence between the Microscopic Stochastic Model and the Macroscopic Thomas Kinetic Model. <i>Analytical Chemistry</i> , 2002, 74, 6269-6278. | 6.5 | 32 |
| 114 | Effect of pressure on retention factors in HPLC using a non-porous stationary phase. <i>Chromatographia</i> , 2002, 56, S61-S64. | 1.3 | 28 |
| 115 | Stochastic theory of size exclusion chromatography by the characteristic function approach. <i>Journal of Chromatography A</i> , 2002, 943, 185-207. | 3.7 | 46 |
| 116 | Study of the adsorption equilibria of the enantiomers of 1-phenyl-1-propanol on cellulose tribenzoate using a microbore column. <i>Journal of Chromatography A</i> , 2002, 953, 55-66. | 3.7 | 34 |
| 117 | Optimization of Preparative Separations. , 2002, , . | | 0 |
| 118 | Peer Reviewed: Decoding Complex Multicomponent Chromatograms. <i>Analytical Chemistry</i> , 2001, 73, 618 A-626 A. | 6.5 | 39 |
| 119 | Analysis of the band profiles of the enantiomers of phenylglycine in liquid chromatography on bonded teicoplanin columns using the stochastic theory of chromatography. <i>Journal of Chromatography A</i> , 2001, 919, 67-77. | 3.7 | 42 |
| 120 | Validation of a chromatography data analysis software. <i>Journal of Chromatography A</i> , 2001, 913, 221-231. | 3.7 | 24 |
| 121 | Identification of the factors that influence the reproducibility of chromatographic retention data. <i>Journal of Chromatography A</i> , 2001, 913, 23-48. | 3.7 | 30 |
| 122 | Statistical determination of the proper sample size in multicomponent separations. <i>Journal of Chromatography A</i> , 1999, 839, 129-139. | 3.7 | 11 |
| 123 | Stochastic Theory of Multiple-Site Linear Adsorption Chromatography. <i>Analytical Chemistry</i> , 1999, 71, 3453-3462. | 6.5 | 71 |
| 124 | Stochastic Dispersive Theory of Chromatography. <i>Analytical Chemistry</i> , 1999, 71, 4472-4479. | 6.5 | 54 |
| 125 | Comparing the optimum performance of the different modes of preparative liquid chromatography. <i>Journal of Chromatography A</i> , 1998, 796, 59-74. | 3.7 | 104 |
| 126 | Critical Peak Resolution in Multicomponent Chromatograms. <i>Analytical Chemistry</i> , 1997, 69, 2976-2979. | 6.5 | 27 |

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|-----|---|------|-----------|
| 127 | FTIR spectroscopic study of intercalated kaolinite. Journal of Molecular Structure, 1997, 410-411, 119-122. | 3.6 | 30 |
| 128 | HRGC separation performance evaluation by a simplified fourier analysis approach. Journal of High Resolution Chromatography, 1996, 19, 327-332. | 1.4 | 23 |
| 129 | Multicomponent interferences in overloaded gradient elution chromatography. Journal of Chromatography A, 1996, 724, 27-37. | 3.7 | 12 |
| 130 | Determination of the gas-liquid partition isotherms of the enantiomers of methyl 2-chloropropionate on trichloroacetyl pentyl β -cyclodextrin using the elution by characteristic points method. Journal of Chromatography A, 1996, 734, 155-162. | 3.7 | 9 |
| 131 | Use of the equilibrium-dispersive model of nonlinear gas chromatography for the modelling of the elution band profiles in the preparative-scale gas chromatographic separation of enantiomers. Journal of Chromatography A, 1996, 734, 289-296. | 3.7 | 7 |
| 132 | Optimizing preparative separations at high recovery yield. Journal of Chromatography A, 1996, 752, 31-40. | 3.7 | 49 |
| 133 | Optimizing Experimental Conditions in Overloaded Gradient Elution Chromatography. Biotechnology Progress, 1996, 12, 638-644. | 2.6 | 33 |
| 134 | Computer simulations in non-linear chromatography. TrAC - Trends in Analytical Chemistry, 1995, 14, 6-10. | 11.4 | 12 |
| 135 | Superposition of Chromatographic Retention Patterns. Analytical Chemistry, 1995, 67, 2078-2087. | 6.5 | 19 |
| 136 | Optimizing experimental conditions for minimum production cost in preparative chromatography. AIChE Journal, 1994, 40, 594-605. | 3.6 | 56 |
| 137 | Rapid simulation of chromatographic band profiles on personal computers. Journal of Chromatography A, 1994, 658, 511-515. | 3.7 | 23 |
| 138 | Deconvolution of Overlapping Skewed Peaks. Analytical Chemistry, 1994, 66, 3066-3072. | 6.5 | 38 |
| 139 | Curve fitting to asymmetrical chromatograms by the extended Kalman filter in frequency domain. Talanta, 1994, 41, 1119-1126. | 5.5 | 16 |
| 140 | Comparison of maximum production rates and optimum operating/design parameters in overloaded elution and displacement chromatography. Biotechnology and Bioengineering, 1993, 41, 134-147. | 3.3 | 30 |
| 141 | The change of pressure drop during large-scale chromatography of viscous samples. Biotechnology Progress, 1993, 9, 450-455. | 2.6 | 12 |
| 142 | Fourier analysis of multicomponent chromatograms. Application to experimental chromatograms. Analytical Chemistry, 1993, 65, 2209-2222. | 6.5 | 45 |
| 143 | Fourier analysis of multicomponent chromatograms. Recognition of retention patterns. Analytical Chemistry, 1992, 64, 2164-2174. | 6.5 | 31 |
| 144 | Optimization of the experimental conditions and the column design parameters in displacement chromatography. Journal of Chromatography A, 1992, 609, 35-47. | 3.7 | 27 |

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|-----|--|-----|-----------|
| 145 | Optimization of the experimental conditions and the column design parameters in overloaded elution chromatography. <i>Journal of Chromatography A</i> , 1992, 591, 31-45. | 3.7 | 66 |
| 146 | Optimizing the sample size and the reduced velocity to achieve maximum production rates of enantiomers. <i>Biotechnology Progress</i> , 1992, 8, 533-539. | 2.6 | 20 |
| 147 | Optimizing the sample size and the retention parameters to achieve maximum production rates for enantiomers in chiral chromatography. <i>Biotechnology and Bioengineering</i> , 1992, 40, 1210-1217. | 3.3 | 19 |
| 148 | Fourier analysis of multicomponent chromatograms. Theory of nonconstant peak width models. <i>Analytical Chemistry</i> , 1991, 63, 2627-2633. | 6.5 | 30 |
| 149 | Improvement of the signal-to-noise ratio of chromatographic peaks by Fourier transform. <i>Analytica Chimica Acta</i> , 1991, 248, 441-446. | 5.4 | 20 |
| 150 | Simulation of Fractal-Like Crystal Growth. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1991, 46, 203-205. | 1.5 | 0 |
| 151 | Fourier analysis of multicomponent chromatograms. Theory and models. <i>Analytical Chemistry</i> , 1990, 62, 1846-1853. | 6.5 | 67 |
| 152 | Fourier analysis of multicomponent chromatograms. Numerical evaluation of statistical parameters. <i>Analytical Chemistry</i> , 1990, 62, 1854-1860. | 6.5 | 32 |
| 153 | Static relative permittivity of electrolyte solutions. <i>Electrochimica Acta</i> , 1988, 33, 1191-1194. | 5.2 | 15 |
| 154 | Decoding Complex 2D Separations. , 0, , 59-90. | | 1 |