Eva TesaÅovÃ¡

List of Publications by Year
in descending order

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120	2,875	159585	233421
papers	citations	30 h-index	45 g-index

120	120	120	2316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Supercritical fluid chromatography as a tool for enantioselective separation; A review. Analytica Chimica Acta, 2014, 821, 1-33.	5.4	144
2	Chiral separation by analytical electromigration methods. Journal of Chromatography A, 1992, 609, 1-17.	3.7	102
3	Methacrylate monolithic columns of 320 Î¼m I.D. for capillary liquid chromatography. Journal of Chromatography A, 2002, 946, 99-106.	3.7	98
4	Interactions of basic compounds in reversed-phase high-performance liquid chromatography influence of sorbent character, mobile phase composition, and pH on retention of basic compounds. Journal of Chromatography A, 1997, 758, 37-51.	3.7	92
5	Hybrid Polymeric Micelles with Hydrophobic Cores and Mixed Polyelectrolyte/Nonelectrolyte Shells in Aqueous Media. 1. Preparation and Basic Characterization. Langmuir, 2001, 17, 4240-4244.	3.5	88
6	Insight into Trypsin Miscleavage: Comparison of Kinetic Constants of Problematic Peptide Sequences. Analytical Chemistry, 2015, 87, 7636-7643.	6.5	77
7	Cyclofructan 6 based stationary phases for hydrophilic interaction liquid chromatography. Journal of Chromatography A, 2011, 1218, 270-279.	3.7	73
8	Gas and high-performance liquid chromatography of phenols. Chromatographia, 1983, 17, 269-284.	1.3	68
9	Comparison of vancomycin-based stationary phases with different chiral selector coverage for enantioselective separation of selected drugs in high-performance liquid chromatography. Journal of Chromatography A, 2005, 1088, 94-103.	3.7	55
10	Enantioselective potential of chiral stationary phases based on immobilized polysaccharides in reversed phase mode. Journal of Chromatography A, 2014, 1363, 155-161.	3.7	55
11	Enhanced selectivity in CZE multiâ€chiral selector enantioseparation systems: Proposed separation mechanism. Electrophoresis, 2010, 31, 1435-1441.	2.4	54
12	Comparison of enantioselective separation of N-tert.-butyloxycarbonyl amino acids and their non-blocked analogues on teicoplanin-based chiral stationary phase. Journal of Chromatography A, 1999, 838, 121-129.	3.7	46
13	Methacrylate monolithic columns for capillary liquid chromatography polymerized using ammonium peroxodisulfate as initiator. Journal of Separation Science, 2003, 26, 1623-1628.	2.5	45
14	Evaluation and comparison of a methylated teicoplanin aglycone to teicoplanin aglycone and natural teicoplanin chiral stationary phases. Journal of Separation Science, 2006, 29, 429-445.	2.5	43
15	Optimization of binary porogen solvent composition for preparation of butyl methacrylate monoliths in capillary liquid chromatography. Journal of Chromatography A, 2004, 1049, 43-49.	3.7	41
16	Optimization of binary porogen solvent composition for preparation of butyl methacrylate monoliths in capillary liquid chromatography. Journal of Chromatography A, 2004, 1049, 43-49.	3.7	41
17	Chiral separation of beta-adrenergic antagonists, profen non-steroidal anti-inflammatory drugs and chlorophenoxypropionic acid herbicides using teicoplanin as the chiral selector in capillary liquid chromatography. Journal of Chromatography A, 2005, 1088, 82-93.	3.7	37
18	Characterization of new R-naphthylethyl cyclofructan 6 chiral stationary phase and its comparison with R-naphthylethyl Î²-cyclodextrin-based column. Journal of Chromatography A, 2011, 1218, 1393-1398.	3.7	37

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19	Monolithic columns based on a poly(styrene-divinylbenzene-methacrylic acid) copolymer for capillary liquid chromatography of small organic molecules. Journal of Chromatography A, 2011, 1218, 1544-1547.	3.7	37
20	Cellulose trisâ€(3,5â€dimethylphenylcarbamate)â€based chiral stationary phase for the enantioseparation of drugs in supercritical fluid chromatography: comparison with HPLC. Journal of Separation Science, 2018, 41, 1471-1478.	2.5	37
21	Enantioseparation of semisynthetic ergot alkaloids on vancomycin and teicoplanin stationary phases. Journal of Chromatography A, 1999, 844, 137-147.	3.7	36
22	Recentchiral selectors for separation in HPLC and CE. Open Chemistry, 2012, 10, 450-471.	1.9	36
23	Enantiomer separation of dihydropyridine calcium antagonists with cyclodextrins as chiral selectors: structural correlation. Biomedical Applications, 1996, 681, 133-141.	1.7	35
24	Effect of silica gel modification with cyclofructans on properties of hydrophilic interaction liquid chromatography stationary phases. Journal of Chromatography A, 2012, 1257, 58-65.	3.7	35
25	On-line preconcentration of weak electrolytes by electrokinetic accumulation in CE: Experiment and simulation. Electrophoresis, 2007, 28, 1540-1547.	2.4	34
26	Dynamics of interconversion of enantiomers in chiral separation systems: A novel approach for determination of all rate constants involved in the interconversion. Electrophoresis, 2004, 25, 733-742.	2.4	32
27	Capillary Electrokinetic Chromatography with Charged Linear Polymers as a Nonmicellar PseudoStationary Phase:Â Determination of Capacity Factors and Characterization by Solvation Parameters. Analytical Chemistry, 2000, 72, 74-80.	6.5	31
28	Complexation of Buffer Constituents with Neutral Complexation Agents: Part I. Impact on Common Buffer Properties. Analytical Chemistry, 2013, 85, 8518-8525.	6.5	31
29	Enantioseparation of selected N-tert.-butyloxycarbonyl amino acids in high-performance liquid chromatography and capillary electrophoresis with a teicoplanin chiral selector. Journal of Chromatography A, 2000, 879, 147-156.	3.7	30
30	Chiral separation of tamsulosin by capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 691-696.	2.8	30
31	Characterization of cyclofructanâ€based chiral stationary phases by linear free energy relationship. Journal of Separation Science, 2011, 34, 2639-2644.	2.5	30
32	Study on the use of boromycin as a chiral selector in capillary electrophoresis. Journal of Chromatography A, 2012, 1237, 128-132.	3.7	30
33	Complexation of Buffer Constituents with Neutral Complexation Agents: Part II. Practical Impact in Capillary Zone Electrophoresis. Analytical Chemistry, 2013, 85, 8526-8534.	6.5	30
34	An insight into the use of dimethylphenyl carbamate cyclofructan 7 chiral stationary phase in supercritical fluid chromatography: The basic comparison with HPLC. Journal of Separation Science, 2013, 36, 1711-1719.	2.5	30
35	Enantioselective separation of biologically active basic compounds in ultra-performance supercritical fluid chromatography. Analytica Chimica Acta, 2016, 932, 98-105.	5.4	29
36	Determination of nitrite and nitrate in cerebrospinal fluid by microchip electrophoresis with microsolid phase extraction pre-treatment. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 930, 41-47.	2.3	28

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37	Separation of inorganic and small organic anions by CE using phosphoniumâ€based monoâ€and dicationic reagents. Electrophoresis, 2009, 30, 3955-3963.	2.4	27
38	Properties of two amideâ€based hydrophilic interaction liquid chromatography columns. Journal of Separation Science, 2013, 36, 2421-2429.	2.5	27
39	Enantioselective separation of unusual amino acids by high performance liquid chromatography. Separation and Purification Technology, 2013, 119, 123-128.	7.9	27
40	Pharmacokinetics of pure silybin diastereoisomers and identification of their metabolites in rat plasma. Journal of Functional Foods, 2015, 14, 570-580.	3.4	25
41	Vancomycin as chiral selector for enantioselective separation of selected profen nonsteroidal anti-inflammatory drugs incapillary liquid chromatography. Chirality, 2006, 18, 531-538.	2.6	24
42	Eigenmobilities in background electrolytes for CZE. V. Intensity (amplitudes) of system peaks. Electrophoresis, 2006, 27, 4610-4617.	2.4	24
43	Development of a solid-phase extraction with capillary liquid chromatography tandem mass spectrometry for analysis of estrogens in environmental water samples. Journal of Chromatography A, 2011, 1218, 2127-2132.	3.7	24
44	Study of the stability of promethazine enantiomers by liquid chromatography using a vancomycin-bonded chiral stationary phase. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 770, 63-69.	2.3	23
45	HPLC Method for Chiral Separation and Quantification of Antidepressant Citalopram and Its Precursor Citadiol. Chromatographia, 2013, 76, 483-489.	1.3	23
46	Isopropyl derivative of cyclofructan 6 as chiral selector in liquid chromatography and capillary electrophoresis. Journal of Chromatography A, 2014, 1338, 197-200.	3.7	23
47	Sulfobutylether-Î²-cyclodextrin as a chiral selector for separation of amino acids and dipeptides in chromatography. Journal of Chromatography A, 2016, 1467, 356-362.	3.7	23
48	Sulfated Metabolites of Flavonolignans and 2,3-Dehydroflavonolignans: Preparation and Properties. International Journal of Molecular Sciences, 2018, 19, 2349.	4.1	23
49	Separation and behaviour of s-triazine derivatives on a NH2-chemically bonded stationary phase by high-performance liquid chromatography. Journal of Chromatography A, 1980, 191, 115-120.	3.7	22
50	Comparison of enantioselective HPLC separation of structurally diverse compounds on chiral stationary phases with different teicoplanin coverage and distinct linkage chemistry. Journal of Separation Science, 2009, 32, 1704-1711.	2.5	22
51	Enantioselective potential of polysaccharideâ€based chiral stationary phases in supercritical fluid chromatography. Chirality, 2017, 29, 239-246.	2.6	22
52	Comparative study of three teicoplanin-based chiral stationary phases using the linear free energy relationship model. Journal of Chromatography A, 2005, 1088, 57-66.	3.7	21
53	Chromatographic methods enabling the characterization of stationary phases and retention prediction in highâ€performance liquid chromatography and supercritical fluid chromatography. Journal of Separation Science, 2016, 39, 115-131.	2.5	21
54	Model of CE enantioseparation systems with a mixture of chiral selectors. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 875, 35-41.	2.3	20

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55	Sterility testing by CE: A comparison of online preconcentration approaches in capillaries with greater internal diameters. Electrophoresis, 2009, 30, 3870-3876.	2.4	20
56	Performance comparison of three trypsin columns used in liquid chromatography. Journal of Chromatography A, 2017, 1490, 126-132.	3.7	20
57	Enantioseparation performance of superficially porous particle vancomycin-based chiral stationary phases in supercritical fluid chromatography and high performance liquid chromatography; applicability for psychoactive substances. Journal of Chromatography A, 2021, 1637, 461846.	3.7	20
58	Study on the aggregation of teicoplanin. Talanta, 2001, 54, 643-653.	5.5	18
59	Chiral HPLC Separation on Derivatized Cyclofructan Versus Cyclodextrin Stationary Phases. Analytical Letters, 2012, 45, 2344-2358.	1.8	18
60	Enantiomeric Ratio of Amino Acids as a Tool for Determination of Aging and Disease Diagnostics by Chromatographic Measurement. Separations, 2016, 3, 30.	2.4	18
61	Enantioselective potential of teicoplanin- and vancomycin-based superficially porous particles-packed columns for supercritical fluid chromatography. Journal of Chromatography A, 2020, 1612, 460687.	3.7	18
62	Method for evaluation of ionic interactions in liquid chromatography. Journal of Chromatography A, 2020, 1625, 461301.	3.7	18
63	Effects of partial/asymmetrical filling of micelles and chiral selectors on capillary electrophoresis enantiomeric separation: Generation of a gradient. Electrophoresis, 2004, 25, 2693-2700.	2.4	17
64	Linear free energy relationship as a tool for characterization of three teicoplanin-based chiral stationary phases under various mobile phase compositions. Journal of Separation Science, 2006, 29, 1476-1485.	2.5	17
65	Phototransformation of benzimidazole and thiabendazole inside cucurbit[8]uril. Photochemical and Photobiological Sciences, 2014, 13, 310-315.	2.9	17
66	Development of separation methods for the chiral resolution of hexahelicenes. Journal of Chromatography A, 2016, 1476, 130-134.	3.7	17
67	Effects of capillary coating and Î²-cyclodextrin additive to the background electrolyte on separation of sulphonated azodyes by capillary zone electrophoresis. Journal of Chromatography A, 2007, 1149, 358-367.	3.7	16
68	A spectroelectrochemical approach to the electrodeposition of bismuth film electrodes and their use in stripping analysis. Analytica Chimica Acta, 2008, 608, 140-146.	5.4	16
69	Hydrophilic interaction liquid chromatography with tandem mass spectrometric detection applied for analysis of pteridines in two Graphosoma species (Insecta: Heteroptera). Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 930, 82-89.	2.3	16
70	A supercritical fluid chromatography method for the systematic toxicology analysis of cannabinoids and their metabolites. Analytical Methods, 2015, 7, 6056-6059.	2.7	16
71	Enantioseparation of dihydrofurocoumarin derivatives by various separation modes of capillary electrophoresis. Electrophoresis, 2003, 24, 2650-2656.	2.4	15
72	Study of interaction mechanisms on zirconiaâ€based polystyrene HPLC column. Journal of Separation Science, 2010, 33, 3043-3051.	2.5	15

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73	Evaluation of differences between Chiralpak IA and Chiralpak ADâ€RH amyloseâ€based chiral stationary phases in reversedâ€phase highâ€performance liquid chromatography. Journal of Separation Science, 2015, 38, 711-719.	2.5	15
74	System peaks and their positive and negative aspects in chromatographic techniques. Journal of Separation Science, 2005, 28, 1263-1270.	2.5	14
75	Comparison of HPLC enantioseparation of substituted binaphthyls on CDâ€, polysaccharideâ€and synthetic polymerâ€based chiral stationary phases. Journal of Separation Science, 2010, 33, 1244-1254.	2.5	14
76	The degree of substitution affects the enantioselectivity of sulfobutyletherâ€Î²â€cyclodextrin chiral stationary phases. Electrophoresis, 2019, 40, 1972-1977.	2.4	14
77	System peaks in micellar electrophoresis: I. Utilization of system peaks for determination of critical micelle concentration. Electrophoresis, 2008, 29, 1189-1195.	2.4	13
78	Immobilized Polysaccharide-Based Stationary Phases for Enantioseparation in Normal Versus Reversed Phase HPLC. Chromatographia, 2015, 78, 909-915.	1.3	13
79	Characterization and comparison of mixed-mode and reversed-phase columns; interaction abilities and applicability for peptide separation. Journal of Chromatography A, 2021, 1648, 462182.	3.7	13
80	Quantification and purity determination of newly synthesized thioacridines by capillary liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 770, 183-189.	2.3	12
81	Rapid Supercritical Fluid Chromatography Method for Separation of Chlorthalidone Enantiomers. Analytical Letters, 2013, 46, 2860-2869.	1.8	12
82	Direct CE and HPLC methods for enantioseparation of tryptophan and its unnatural derivatives. Separation and Purification Technology, 2016, 158, 24-30.	7.9	12
83	Fast enantioseparation of indole phytoalexins in additive free supercritical fluid chromatography. Journal of Chromatography A, 2019, 1596, 209-216.	3.7	11
84	Enantiorecognition ability of different chiral selectors for separation of liquid crystals in supercritical fluid chromatography; critical evaluation. Journal of Chromatography A, 2020, 1622, 461138.	3.7	11
85	Phosphorothioate oligonucleotides separation in ion-pairing reversed-phase liquid chromatography: Effect of ion-pairing system. Journal of Chromatography A, 2022, 1676, 463201.	3.7	11
86	New Organic Monosized Microspheres for Use in Enantiomer Separations by High-Performance Liquid Chromatography. Journal of Liquid Chromatography and Related Technologies, 1995, 18, 3187-3203.	1.0	10
87	Physical factors negatively affecting evaluation of long-term biodegradation experiments of polychlorinated biphenyls. Chemosphere, 1996, 33, 2411-2421.	8.2	10
88	Comparison of zirconia- and silica-based reversed stationary phases for separation of enkephalins. Journal of Chromatography A, 2005, 1087, 104-111.	3.7	10
89	Pluronic Fâ€127 as the buffer additive in capillary entangled polymer electrophoresis: Some fundamental aspects. Journal of Separation Science, 2010, 33, 2458-2464.	2.5	10
90	The empirical comparison of cyclofructans and cyclodextrins as chiral selectors in capillary electrophoretic separation of atropisomers of R,Sâ€1,1â€™â€binaphthaleneâ€2,2â€™â€diyl hydrogen phosphate. Journal of Separation Science, 2016, 39, 973-979.	2.5	10

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91	Comparison of enantioseparation of selected benzodiazepine and phenothiazine derivatives on chiral stationary phases based on Î²-cyclodextrin and macrocyclic antibiotics. Journal of Separation Science, 2003, 26, 661-668.	2.5	9
92	Cellulose tris(3,5â€dimethylphenylcarbamate)â€based chiral stationary phases as effective tools for enantioselective HPLC separation of structurally different disubstituted binaphthyls. Chirality, 2008, 20, 900-909.	2.6	9
93	Systematic evaluation of selected supercritical fluid chromatography diolâ€and diethylamineâ€based columns for application in hydrophilic interaction liquid chromatography. Separation Science Plus, 2019, 2, 81-88.	0.6	9
94	Chromatographic Characterization of a New Cationic Î²-CD Based Stationary Phase Prepared by Dynamic Coating. Chromatographia, 2016, 79, 529-536.	1.3	8
95	HPLC method for enantioselective analysis of cloprostenol. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 892-897.	2.8	7
96	Methods for determination of all binding parameters in systems with simultaneous borate and cyclodextrin complexation. Journal of Chromatography A, 2011, 1218, 7211-7218.	3.7	7
97	Evaluation of separation properties of stationary phases in supercritical fluid chromatography; deazapurine nucleosides case study. Microchemical Journal, 2019, 150, 104137.	4.5	7
98	Cyclic Oligosaccharide-Based Chiral Stationary Phases Applicable to Drug Purity Control; A Review. Current Medicinal Chemistry, 2017, 24, 829-848.	2.4	7
99	LC with a Teicoplanin Aglycone Chiral Sorbent for the Separation of the Enantiomers of Non-Steroidal Anti-Inflammatory Drugs: An Evaluation of Chiral Capillary Columns. Chromatographia, 2008, 67, 33-40.	1.3	6
100	Accuracy and sensitivity of the determination of rate constants of interconversion in achiral and chiral environments by dynamic enantioselective electrophoresis. Electrophoresis, 2011, 32, 595-603.	2.4	6
101	Characterization of novel metallacarborane-based sorbents by linear solvation energy relationships. Journal of Chromatography A, 2014, 1371, 220-226.	3.7	6
102	Immobilized strychnine as a new chiral stationary phase for HPLC. Electrophoresis, 2017, 38, 1956-1963.	2.4	6
103	The effect of particle and ligand types on retention and peak shape in liquid chromatography. Microchemical Journal, 2020, 159, 105466.	4.5	6
104	Structural study of flobufen II. An unexpected role of packing effects on the dihedral angle of phenyl rings in crystal structures of 2,4-difluorobiphenyls. Journal of Fluorine Chemistry, 1997, 83, 111-116.	1.7	5
105	Capillary liquid chromatography as a tool for separation of hydrophobic basic drugs. Relation between tests for column characterization and real analysis. Journal of Separation Science, 2003, 26, 686-692.	2.5	5
106	Separation and Quantification of 1,4-benzodiazepines: HPLC versus CZE. Croatica Chemica Acta, 2011, 84, 367-373.	0.4	5
107	Chromatographic behavior of new deazapurine ribonucleosides in hydrophilic interaction liquid chromatography. Electrophoresis, 2018, 39, 2144-2151.	2.4	5
108	Chiral separation of beta-blockers by high-performance liquid chromatography and determination of bisoprolol enantiomers in surface waters. Arhiv Za Higijenu Rada I Toksikologiju, 2020, 71, 56-62.	0.7	5

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109	High-performance liquid chromatography of biphenols and bis (hydroxyphenyl) propanes (dianes) with voltammetric and UV photometric detection. Chromatographia, 1987, 23, 102-108.	1.3	4
110	Electromigration behavior of metal ions in the presence of complexing polymer. Journal of Chromatography A, 1999, 838, 101-109.	3.7	4
111	Determination of new pyridoquinoline derivatives and their quantification in urine by capillary liquid chromatography. Journal of Separation Science, 2003, 26, 1582-1588.	2.5	4
112	Effect of Buffer Constituents on Retention and Separation in Achiral and Chiral HPLC Systems with Î²-Cyclodextrin-Based Stationary Phase. Chromatographia, 2015, 78, 917-921.	1.3	4
113	The effect of tandem coupling of NicoShell and TeicoShell columns in sub/supercritical fluid chromatography on enantioresolution. Journal of Separation Science, 2021, 44, 4048-4057.	2.5	4
114	Enantioselective Separations. Journal of Chromatography Library, 1998, 60, 197-256.	0.1	3
115	Reversed-phase thin-layer chromatography of phenolic compounds. Journal of High Resolution Chromatography, 1987, 10, 404-408.	1.4	2
116	Selected Derivatization Reactions. Journal of Chromatography Library, 1998, 60, 141-196.	0.1	2
117	Separation and quantification of 9â€(alkylthio)acridines by capillary micellar electrokinetic chromatography and capillary liquid chromatography. Journal of Separation Science, 2007, 30, 2123-2129.	2.5	2
118	Occurrence and behavior of system peaks in RP HPLC with solely aqueous mobile phases. Journal of Separation Science, 2009, 32, 2864-2870.	2.5	2
119	Use of Capillary Zone Electrophoresis and Micellar Electrokinetic Chromatography for Separations of Anthraquinone Derivatives. Analytical Letters, 2011, 44, 1783-1795.	1.8	1
120	Separation of type IX collagen from other cartilage collagens by hydrophobic interaction chromatography. Biomedical Applications, 1988, 434, 423-427.	1.7	0