

# VÄ›ra PacÄ›kovÄ›

## List of Publications by Year in descending order

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111  
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243625

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111  
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111  
docs citations

111  
times ranked

1981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability of Carotenoid Analyses: A Review. <i>Current Analytical Chemistry</i> , 2005, 1, 93-102.	1.2	113
2	High-performance liquid chromatographic determination of some anthraquinone and naphthoquinone dyes occurring in historical textiles. <i>Journal of Chromatography A</i> , 1999, 863, 235-241.	3.7	112
3	High-performance separations in the determination of triazine herbicides and their residues. <i>Journal of Chromatography A</i> , 1996, 754, 17-31.	3.7	99
4	Capillary electrophoresis of inorganic cations. <i>Journal of Chromatography A</i> , 1999, 834, 257-275.	3.7	87
5	Some potentialities and drawbacks of contemporary size-exclusion chromatography. <i>Journal of Proteomics</i> , 2003, 56, 1-13.	2.4	86
6	High-performance liquid chromatography of s-triazines and their degradation products using ultraviolet photometric and amperometric detection. <i>Journal of Chromatography A</i> , 1988, 442, 147-156.	3.7	83
7	Monolithic organic polymeric columns for capillary liquid chromatography and electrochromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 841, 79-87.	2.3	70
8	Analysis for estrogens as environmental pollutants – A review. <i>Journal of Separation Science</i> , 2009, 32, 867-882.	2.5	70
9	Gas and high-performance liquid chromatography of phenols. <i>Chromatographia</i> , 1983, 17, 269-284.	1.3	68
10	A simple method for the trace determination of methanol, ethanol, acetone and pentane in human breath and in the ambient air by preconcentration on solid sorbents followed by gas chromatography. <i>Talanta</i> , 1997, 44, 1683-1690.	5.5	62
11	Electrochemical Detection in High-Performance Liquid Chromatography. <i>Critical Reviews in Analytical Chemistry</i> , 1984, 14, 297-351.	3.5	54
12	Amperometric flow detection with a copper working electrode – response mechanism and application to various compounds. <i>Talanta</i> , 1988, 35, 455-460.	5.5	51
13	Capillary electrophoresis of inorganic anions and its comparison with ion chromatography. <i>Journal of Chromatography A</i> , 1997, 789, 169-180.	3.7	51
14	Comparison of enantioselective separation of N-tert.-butyloxycarbonyl amino acids and their non-blocked analogues on teicoplanin-based chiral stationary phase. <i>Journal of Chromatography A</i> , 1999, 838, 121-129.	3.7	46
15	The application of precision gas chromatography to the identification of types of hydrocarbons. <i>Journal of Chromatography A</i> , 1970, 51, 13-21.	3.7	44
16	Comparison of high-performance liquid chromatography and capillary electrophoresis for the determination of some bee venom components. <i>Journal of Chromatography A</i> , 1995, 700, 187-193.	3.7	40
17	Carbon pastes for voltammetric detectors in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1981, 213, 41-46.	3.7	39
18	Dechlorination of polychlorinated biphenyls, dibenzo-p-dioxins and dibenzofurans on fly ash. <i>Chemosphere</i> , 2000, 41, 1881-1887.	8.2	38

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19	Gas chromatography and mass spectrometry of bis(alkylamino)-s-Triazines. <i>Journal of Chromatography A</i> , 1979, 178, 193-207.	3.7	37
20	Stationary phases for peptide analysis by high performance liquid chromatography: a review. <i>Analytica Chimica Acta</i> , 1997, 352, 1-19.	5.4	36
21	High-performance liquid chromatographic determination of hallucinogenic indoleamines with simultaneous UV photometric and voltammetric detection. <i>Journal of Chromatography A</i> , 1985, 320, 414-420.	3.7	35
22	An evaluation of GC-MS and HPLC-FD methods for analysis of protein binders in paintings. <i>Journal of Separation Science</i> , 2006, 29, 2653-2663.	2.5	35
23	Liquid chromatographic separation and behaviour of some substituted s-triazines on a CN-bonded stationary phase. <i>Chromatographia</i> , 1978, 11, 698-702.	1.3	34
24	Comparison of several voltammetric detectors for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1981, 208, 269-278.	3.7	34
25	Operation parameters of voltammetric high-performance liquid chromatographic detectors with copper electrodes and application to a determination of some fodder biofactors. <i>Journal of Chromatography A</i> , 1986, 367, 311-321.	3.7	34
26	Carbon fibre electrochemical detector for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1984, 298, 225-230.	3.7	33
27	Gas chromatography-mass spectrometry and high-performance liquid chromatographic analyses of thermal degradation products of common plastics. <i>Journal of Chromatography A</i> , 1991, 555, 229-237.	3.7	30
28	Gas chromatographic, spectrophotometric and electrochemical behavior of substituted s-triazines. <i>Journal of Chromatography A</i> , 1978, 148, 273-281.	3.7	28
29	Effects of electrolyte modification and capillary coating on separation of glycoprotein isoforms by capillary electrophoresis. <i>Electrophoresis</i> , 2001, 22, 459-463.	2.4	27
30	The importance of capillary electrophoresis, capillary electrochromatography, and ion chromatography in separations of inorganic ions. <i>Electrophoresis</i> , 2003, 24, 1883-1891.	2.4	27
31	Gas-liquid chromatographic analysis of trimethylsilyl derivatives of pyrimidine and purine bases and nucleosides. <i>Journal of Chromatography A</i> , 1976, 119, 355-367.	3.7	26
32	High-performance liquid chromatographic determination of creatinine in serum, and a correlation of the results with those of the Jaffé and enzymic methods. <i>Biomedical Applications</i> , 1993, 614, 221-226.	1.7	25
33	The effects of controlled aging and blending of low- and high-density polyethylenes, polypropylene and polystyrene on their thermal degradation studied by pyrolysis gas chromatography. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 57, 177-185.	5.5	25
34	An ion-exchange separation of metal cations on a C-18 column coated with dodecylsulphate. <i>Talanta</i> , 1992, 39, 29-34.	5.5	24
35	Porous polyacrylamide monoliths in hydrophilic interaction capillary electrochromatography of oligosaccharides. <i>Journal of Proteomics</i> , 2007, 70, 3-13.	2.4	24
36	Pretreatment of glassy carbon electrodes by anodic galvanostatic pulses with a large amplitude. <i>Electroanalysis</i> , 1989, 1, 405-412.	2.9	23

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37	Optimization of a GC-MS/MS Method for the Analysis of PCDDs and PCDFs in Human and Fish Tissue. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 595-599.	1.4	23
38	Separation and behaviour of s-triazine derivatives on a NH <sub>2</sub> -chemically bonded stationary phase by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1980, 191, 115-120.	3.7	22
39	Separation of biologically active peptides by capillary electrophoresis and high-performance liquid chromatography. <i>Biomedical Applications</i> , 1996, 681, 69-76.	1.7	22
40	Analysis of estrogens and estrogen mimics in edible matrices – A review. <i>Journal of Separation Science</i> , 2014, 37, 885-905.	2.5	22
41	Electrochemical detector for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1980, 192, 135-141.	3.7	21
42	Comparison of the high-performance liquid chromatographic behaviour of s-triazine derivatives on various stationary phases. <i>Journal of Chromatography A</i> , 1980, 187, 341-349.	3.7	21
43	Analysis of dipeptides by reversed-phase high-performance liquid chromatography without derivatization using amperometric detection on a copper electrode. <i>Journal of Chromatography A</i> , 1988, 436, 334-337.	3.7	21
44	Capillary electrophoresis of cytokinins and cytokinin ribosides. <i>Journal of Chromatography A</i> , 1997, 764, 331-335.	3.7	19
45	Gas chromatography/mass spectrometry of oils and oil binders in paintings. <i>Journal of Separation Science</i> , 2008, 31, 1067-1073.	2.5	19
46	Use of the Clark oxygen sensor with immobilized enzymes for determinations in flow systems. <i>Analytica Chimica Acta</i> , 1984, 159, 71-79.	5.4	18
47	GC determination of volatile components in human exhalation and in ambient atmosphere, after preconcentration on solid sorbents. <i>Chromatographia</i> , 1997, 44, 601-604.	1.3	18
48	Critical evaluation of microextraction pretreatment techniques – Part 1: Single drop and sorbent-based techniques. <i>Journal of Separation Science</i> , 2019, 42, 273-284.	2.5	18
49	Ion-pair high-performance liquid chromatography of inorganic anions with photometric, conductometric and amperometric detection. <i>Journal of Chromatography A</i> , 1988, 439, 363-373.	3.7	17
50	Affinity liquid chromatography and capillary electrophoresis of seminal plasma proteins. <i>Journal of Separation Science</i> , 2006, 29, 1110-1115.	2.5	17
51	Effect of various measuring techniques on the response of a polarographic high-performance liquid chromatographic detector. <i>Journal of Chromatography A</i> , 1983, 262, 85-94.	3.7	16
52	High-performance liquid chromatography of biologically important pyrimidine derivatives with ultraviolet – voltammetric – polarographic detection. <i>Biomedical Applications</i> , 1983, 273, 77-86.	1.7	16
53	Use of capillary electrophoresis and high-performance liquid chromatography for monitoring of glycosylation of the peptides dalargin and desmopressin. <i>Journal of Chromatography A</i> , 1997, 761, 285-296.	3.7	14
54	High-performance separations in isolation and characterization of allergens. <i>Biomedical Applications</i> , 1997, 699, 403-418.	1.7	13

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55	Proteomics of allergens. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 771, 343-353.	2.3	13
56	Gas-liquid chromatography of some pyrimidine derivatives. <i>Analytical Biochemistry</i> , 1971, 42, 549-554.	2.4	12
57	Determination of 1,3,5-tiazine herbicides by gas chromatography. <i>Journal of Chromatography A</i> , 1978, 154, 251-255.	3.7	12
58	A Study of Oxidative Degradation of Plastics by GC and GC-MS. <i>Analytical Letters</i> , 1985, 18, 1759-1775.	1.8	12
59	A solid polymer electrolyte amperometric detector for FIA and HPLC with mobile phases of low conductivity. <i>Electroanalysis</i> , 1992, 4, 447-451.	2.9	12
60	Quantitative structure-chromatographic retention relationship study of six underivatized equine estrogens. <i>Biomedical Applications</i> , 1996, 681, 115-123.	1.7	12
61	An evaluation of the experimental approaches to detection of small ions in CE. <i>Electrophoresis</i> , 2007, 28, 3379-3389.	2.4	12
62	An ion-exchange separation of Cu <sup>2+</sup> , Cd <sup>2+</sup> , Pb <sup>2+</sup> and Tl <sup>+</sup> on silica gel with polarographic detection. <i>Talanta</i> , 1991, 38, 1445-1452.	5.5	11
63	Modification of capillary electrophoresis capillaries by poly(hydroxyethyl methacrylate), poly(diethylene glycol monomethacrylate) and poly(triethylene glycol monomethacrylate). <i>Electrophoresis</i> , 2002, 23, 528-535.	2.4	11
64	Monitoring of aromatic amines by hplc with electrochemical detection. <i>Talanta</i> , 1985, 32, 279-283.	5.5	10
65	A study of the distribution of lead, cadmium and copper between water and kaolin, bentonite and a river sediment. <i>Journal of Environmental Monitoring</i> , 2000, 2, 187-191.	2.1	10
66	Characterization of substituted polyacetylene microstructure by pyrolysis gas chromatography. <i>Journal of Separation Science</i> , 2007, 30, 731-739.	2.5	10
67	Capillary reaction gas chromatography. <i>Chromatographia</i> , 1978, 11, 266-273.	1.3	9
68	Determination of ethylenethiourea in beverages without sample pretreatment using high-performance liquid chromatography and amperometric detection on a copper electrode. <i>Journal of Chromatography A</i> , 1988, 457, 398-402.	3.7	9
69	Determination of some tricyclic neuroleptics by reversed-phase high-performance liquid chromatography with ultraviolet and polarographic detection. <i>Journal of Chromatography A</i> , 1984, 298, 309-318.	3.7	8
70	Ion-exchange high-performance liquid chromatographic separation of peptides with UV photometric and electrochemical detection. <i>Journal of Chromatography A</i> , 1990, 509, 245-253.	3.7	8
71	High-performance liquid chromatographic determination of equine estrogens with ultraviolet absorbance and electrochemical detection. <i>Journal of Chromatography A</i> , 1994, 678, 359-363.	3.7	8
72	Size-exclusion liquid chromatography and capillary electrophoresis of pollen allergens. <i>Biomedical Applications</i> , 1996, 681, 47-53.	1.7	8

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73	Topographical properties of polymer films deposited in capillaries for electrophoretic separations of large organic molecules. <i>Journal of Separation Science</i> , 2004, 27, 1121-1129.	2.5	8
74	Separation Media in Affinity Chromatography of Proteins - A Critical Review. <i>Current Proteomics</i> , 2006, 3, 55-79.	0.3	8
75	The use of precise retention data for the determination of molar heats of solution. <i>Collection of Czechoslovak Chemical Communications</i> , 1977, 42, 2850-2857.	1.0	7
76	Relationships between the chromatographic behaviour and structure of some substituted dibenzo[b,f]thiepins and their analogues. <i>Journal of Chromatography A</i> , 1985, 329, 113-118.	3.7	7
77	High-performance liquid chromatography of azobenzene derivatives with spectrophotometric and electrochemical detection. <i>Journal of Chromatography A</i> , 1987, 389, 397-407.	3.7	7
78	Critical evaluation of microextraction pretreatment techniques – Part 2: Membrane-supported and homogenous phase based techniques. <i>Journal of Separation Science</i> , 2019, 42, 303-318.	2.5	7
79	Gas chromatographic analysis of pharmaceuticals based on pyrimidine and purine substances. <i>Journal of Chromatography A</i> , 1976, 123, 216-219.	3.7	6
80	High-performance liquid chromatographic determination of some polar phospholipids in serum. <i>Biomedical Applications</i> , 1989, 495, 61-70.	1.7	6
81	Ion-exchange separation of inorganic anions on a HEMA 1000 Q-L column. <i>Journal of Chromatography A</i> , 1990, 520, 349-359.	3.7	6
82	Ion-exchange high-performance liquid chromatographic analysis of the products of the enzymatic degradation of oxytocin. <i>Journal of Chromatography A</i> , 1990, 519, 244-249.	3.7	6
83	Hydroxyethylmethacrylate column reactors with immobilized glucose oxidase or alcohol oxidase. Liquid chromatographic determination of ethanol in serum. <i>Analytica Chimica Acta</i> , 1992, 257, 73-78.	5.4	6
84	Dehalogenation potential of municipal waste incineration fly ash. <i>Environmental Science and Pollution Research</i> , 2003, 10, 39-43.	5.3	6
85	Dechlorination ability of municipal waste incineration fly ash for polychlorinated phenols. <i>Chemosphere</i> , 2004, 56, 935-942.	8.2	6
86	The pyrolysis capillary gas chromatography of some polymeric materials. <i>Collection of Czechoslovak Chemical Communications</i> , 1982, 47, 509-517.	1.0	6
87	Gas chromatographic determination of phosphorus in nucleic acids and nucleotides as tris(trimethylsilyl) phosphate. <i>Journal of Chromatography A</i> , 1974, 91, 459-462.	3.7	5
88	Gas chromatographic behaviour of mono- and dihydroxybiphenyls on various silicone phases. <i>Journal of Chromatography A</i> , 1981, 211, 150-154.	3.7	5
89	Electrochemical Detection in High-Performance Liquid Chromatography. <i>CRC Critical Reviews in Analytical Chemistry</i> , 1984, 14, 297-351.	1.8	4
90	Reaction gas chromatography: Study of the photodecomposition of selected substances. <i>Chromatographia</i> , 1985, 20, 164-172.	1.3	4

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91	High-performance liquid chromatography of thiobenzamide derivatives with ultraviolet photometric and electrochemical detection. <i>Journal of Chromatography A</i> , 1986, 361, 347-354.	3.7	4
92	Application of a metallized membrane electrode for the determination of gaseous sulphur compounds after reductive pyrolysis. <i>Talanta</i> , 1987, 34, 453-459.	5.5	4
93	High-performance liquid chromatography of biphenols and bis (hydroxyphenyl) propanes (dianes) with voltammetric and UV photometric detection. <i>Chromatographia</i> , 1987, 23, 102-108.	1.3	4
94	The Influence of Heat Pre-Treatment on the Sorption of Water Vapour on Bentonite. <i>Adsorption</i> , 2005, 11, 57-63.	3.0	4
95	Gas chromatographic behaviour of some carboranes. <i>Journal of Chromatography A</i> , 1979, 174, 224-227.	3.7	3
96	Gas chromatography as a tool for the study of the products of photosensitized phenol decomposition. <i>Journal of Chromatography A</i> , 1982, 241, 19-28.	3.7	3
97	A split-disk, dual-electrode amperometric cell and its application to the detection of biogenic amines with galvanostatic activation of the glassy carbon working electrodes. <i>Electroanalysis</i> , 1990, 2, 443-448.	2.9	3
98	Determination of narciclasine in serum by reversed-phase high-performance liquid chromatography: comparison of amperometric, ultraviolet photometric and fluorescence detection. <i>Biomedical Applications</i> , 1991, 563, 95-102.	1.7	3
99	High-performance liquid chromatography of amino acids and depeptides on new ion exchangers of the HEMA series. <i>Journal of Chromatography A</i> , 1991, 552, 439-448.	3.7	3
100	Preparation and testing of stationary phases and modified capillaries for affinity chromatography and affinity capillary electrophoresis of pepsin. <i>Journal of Chromatography A</i> , 2005, 1084, 207-213.	3.7	3
101	Stationary phase distribution in open tubular glass columns. <i>Collection of Czechoslovak Chemical Communications</i> , 1975, 40, 519-525.	1.0	3
102	A comparison of pyrolytical and oxidative degradation of poly(methyl methacrylate) and methyl methacrylate-styrene copolymer using the capillary GC and GC-MS methods. <i>Collection of Czechoslovak Chemical Communications</i> , 1989, 54, 934-939.	1.0	3
103	Gas chromatographic behaviour of dibenzo[b,f]thiepines. <i>Journal of Chromatography A</i> , 1981, 207, 403-406.	3.7	2
104	The effect of s-triazine-type pesticides and chlorinated hydrocarbons on lactate dehydrogenase. <i>Environmental Research</i> , 1985, 36, 26-31.	7.5	2
105	High-performance liquid chromatography of tryptophan and its irradiation products using UV photometric and voltammetric detection. <i>Journal of Chromatography A</i> , 1986, 354, 449-453.	3.7	2
106	Reaction gas chromatography: Study of the photodecomposition of halogenated hydrocarbons. <i>Chromatographia</i> , 1988, 25, 621-626.	1.3	2
107	High-performance liquid chromatographic determination of cholesteryl esters in the blood of obese children. <i>Biomedical Applications</i> , 1991, 571, 19-28.	1.7	2
108	A study of HPLC separation and spectrophotometric, polarographic and voltammetric detection of 4-substituted derivatives of N-nitroso-N-methylaniline. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 350, 678-683.	1.5	2

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109	Use of Dehydrogenation in Reaction Gas Chromatography. Journal of Chromatographic Science, 1968, 6, 426-430.	1.4	1
110	Reaction gas chromatography: Hydrogenation cracking of hydrocarbons. Chromatographia, 1981, 14, 417-420.	1.3	1
111	Application of amperometric detection to the high-performance liquid chromatographic determination of antipyrine and 4-aminoantipyrine in urine. Journal of Chromatography A, 1988, 455, 420-424.	3.7	1