

Roman Kaliszan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183
papers

6,415
citations

44
h-index

71
g-index

190
ext. papers

6,916
ext. citations

4.8
avg, IF

5.93
L-index

#	Paper	IF	Citations
183	Reversed-phase pH gradient thin-layer chromatography of biologically active substances with controlled developing solvent velocity. <i>Journal of Chromatography A</i> , 2021 , 1649, 462224	4.5	1
182	Recent advances in quantitative structure-retention relationships. <i>Handbook of Analytical Separations</i> , 2020 , 587-632	0.7	1
181	The Characterization of Ground Raspberry Seeds and the Physiological Response to Supplementation in Hypertensive and Normotensive Rats. <i>Nutrients</i> , 2020 , 12,	6.7	8
180	Metabolomic Signature of Early Vascular Aging (EVA) in Hypertension. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 12	5.6	7
179	Urinary metabolomic signature of muscle-invasive bladder cancer: A multiplatform approach. <i>Talanta</i> , 2019 , 202, 572-579	6.2	11
178	Untargeted Metabolomics Provides Insight into the Mechanisms Underlying Resistant Hypertension. <i>Current Medicinal Chemistry</i> , 2019 , 26, 232-243	4.3	4
177	Metabolomic Heterogeneity of Urogenital Tract Cancers Analyzed by Complementary Chromatographic Techniques Coupled with Mass Spectrometry. <i>Current Medicinal Chemistry</i> , 2019 , 26, 216-231	4.3	8
176	Bayesian multilevel model of micro RNA levels in ovarian-cancer and healthy subjects. <i>PLoS ONE</i> , 2019 , 14, e0221764	3.7	6
175	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. <i>Chemical Reviews</i> , 2019 , 119, 3674-3729	68.1	91
174	Free silanols and ionic liquids as their suppressors in liquid chromatography. <i>Journal of Chromatography A</i> , 2018 , 1559, 17-43	4.5	22
173	Targeted metabolomics in bladder cancer: From analytical methods development and validation towards application to clinical samples. <i>Analytica Chimica Acta</i> , 2018 , 1037, 188-199	6.6	18
172	Quantitative determination of trigonelline in mouse serum by means of hydrophilic interaction liquid chromatography-MS/MS analysis: Application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2018 , 32, e4054	1.7	7
171	Modern analytical methods for consideration of natural biological activity. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 109, 198-213	14.6	10
170	Analysis of Isocratic-Chromatographic-Retention Data using Bayesian Multilevel Modeling. <i>Analytical Chemistry</i> , 2018 , 90, 13670-13679	7.8	4
169	Ocular irritation and cyclosporine A distribution in the eye tissues after administration of Solid Lipid Microparticles in the rabbit model. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 121, 95-105	5.1	5
168	HPLC-MS/MS method for dexmedetomidine quantification with Design of Experiments approach: application to pediatric pharmacokinetic study. <i>Bioanalysis</i> , 2017 , 9, 395-406	2.1	20
167	Evaluation of in silico pharmacokinetic properties and in vitro cytotoxic activity of selected newly synthesized N-succinimide derivatives. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 137, 252-257	3.5	9

166	Comparative pharmacodynamic analysis of imidazoline compounds using rat model of ocular mydriasis with a test of quantitative structure-activity relationships. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 144, 122-128	3.5	2
165	Are Alpha-2D Adrenoceptor Subtypes Involved in Rat Mydriasis Evoked by New Imidazoline Derivatives: Marsanidine and 7-Methylmarsanidine?. <i>Dose-Response</i> , 2017 , 15, 1559325817701213	2.3	1
164	Multilevel pharmacokinetics-driven modeling of metabolomics data. <i>Metabolomics</i> , 2017 , 13, 31	4.7	6
163	How to model temporal changes in nontargeted metabolomics study? A Bayesian multilevel perspective. <i>Journal of Separation Science</i> , 2017 , 40, 4667-4676	3.4	1
162	"Molecularly imprinted chromatography" fails to distinguish homeopathic remedy from placebo. <i>Journal of Separation Science</i> , 2017 , 40, 3976	3.4	
161	Quantitative structure property (retention) relationships in liquid chromatography 2017 , 553-572		3
160	pH-Gradient Liquid Chromatography: Fundamentals and Examples. <i>Journal of AOAC INTERNATIONAL</i> , 2017 , 100, 1590-1598	1.7	2
159	How Much Can We Learn from a Single Chromatographic Experiment? A Bayesian Perspective. <i>Analytical Chemistry</i> , 2016 , 88, 997-1002	7.8	14
158	PLS-Based and Regularization-Based Methods for the Selection of Relevant Variables in Non-targeted Metabolomics Data. <i>Frontiers in Molecular Biosciences</i> , 2016 , 3, 35	5.6	23
157	An Approach Based on HPLC-Fingerprint and Chemometrics to Quality Consistency Evaluation of L. Commercial Samples. <i>Frontiers in Plant Science</i> , 2016 , 7, 1561	6.2	29
156	The pharmacokinetics of dexmedetomidine during long-term infusion in critically ill pediatric patients. A Bayesian approach with informative priors. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2016 , 43, 315-24	2.7	18
155	Pharmacokinetics of sufentanil during long-term infusion in critically ill pediatric patients. <i>Journal of Clinical Pharmacology</i> , 2016 , 56, 109-15	2.9	8
154	Urine metabolic fingerprinting using LC-MS and GC-MS reveals metabolite changes in prostate cancer: A pilot study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 111, 351-61	3.5	79
153	Least absolute shrinkage and selection operator and dimensionality reduction techniques in quantitative structure retention relationship modeling of retention in hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2015 , 1403, 54-62	4.5	32
152	Maximum A Posteriori Bayesian Estimation of Chromatographic Parameters by Limited Number of Experiments. <i>Analytical Chemistry</i> , 2015 , 87, 7241-9	7.8	16
151	Statistical-based approach in potential diagnostic application of urinary nucleosides in urogenital tract cancer. <i>Biomarkers in Medicine</i> , 2015 , 9, 577-95	2.3	4
150	Thermodynamic and QSRR Modeling of HPLC Retention on Modern Stationary Phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 62-67	1.3	8
149	Simultaneous determination of hydrophobicity and dissociation constant for a large set of compounds by gradient reverse phase high performance liquid chromatography-mass spectrometry technique. <i>Journal of Chromatography A</i> , 2015 , 1416, 31-7	4.5	16

148	GC/MS technique and AMDIS software application in identification of hydrophobic compounds of grasshoppers abdominal secretion (Chorthippus spp.). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 102, 331-9	3.5	12
147	Choice of the Mode of Chromatographic Method for Analysis of Pesticides on the Basis of the Properties of Analytes. <i>Chromatographic Science</i> , 2015 , 99-114		
146	pH Effects on Chromatographic Retention Modes 2015 , 263-278		0
145	General analytical procedure for determination of acidity parameters of weak acids and bases. <i>Journal of Analytical Methods in Chemistry</i> , 2015 , 2015, 530731	2	2
144	Metabolomics for laboratory diagnostics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 113, 108-20	3.5	159
143	Blood-brain barrier permeability mechanisms in view of quantitative structure-activity relationships (QSAR). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 108, 29-37	3.5	31
142	Preliminary studies on trigonelline as potential anti-Alzheimer disease agent: determination by hydrophilic interaction liquid chromatography and modeling of interactions with beta-amyloid. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 968, 101-4	3.2	22
141	Identification of lipid fraction constituents from grasshopper (Chorthippus spp.) abdominal secretion with potential activity in wound healing with the use of GC-MS/MS technique. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 89, 56-66	3.5	6
140	Determination of pterins in urine by HPLC with UV and fluorescent detection using different types of chromatographic stationary phases (HILIC, RP C8, RP C18). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 91, 37-45	3.5	24
139	Development and validation of UHPLC method for the determination of cyclosporine A in biological samples. <i>Biomedical Chromatography</i> , 2014 , 28, 802-9	1.7	8
138	Quantitative structure-retention relationships of ionic liquid cations in characterization of stationary phases for HPLC. <i>Analytical Methods</i> , 2014 , 6, 1189	3.2	11
137	Determination of Water-Soluble Components of Abdominal Secretion of Grasshopper (spp.) by GC/MS/MS in Search for Potential Wound Healing Agents. <i>Chromatographia</i> , 2014 , 77, 1091-1102	2.1	7
136	Reversed- and normal-phase liquid chromatography in quantitative structure retention-property relationships of newly synthesized seco-androstene derivatives. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 88, 636-42	3.5	22
135	Analysis of urinary nucleosides as potential cancer markers determined using LC-MS technique. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 101, 50-7	3.5	22
134	Determination of ascorbic acid and its degradation products by high-performance liquid chromatography-triple quadrupole mass spectrometry. <i>Electrophoresis</i> , 2014 , 35, 585-92	3.6	41
133	Amlodipine increased endothelial nitric oxide and decreased nitroxidative stress disproportionately to blood pressure changes. <i>American Journal of Hypertension</i> , 2014 , 27, 482-8	2.3	17
132	Pharmacokinetics and pharmacodynamics of propofol in children undergoing different types of surgeries. <i>Pharmacological Reports</i> , 2014 , 66, 821-9	3.9	7
131	The quantification of reticulocyte maturation and neocytolysis in normal and erythropoietin stimulated rats. <i>Biopharmaceutics and Drug Disposition</i> , 2014 , 35, 330-40	1.7	7

130	The influence of the time of day on midazolam pharmacokinetics and pharmacodynamics in rabbits. <i>Pharmacological Reports</i> , 2014 , 66, 143-52	3.9	6
129	Effect of the Reference Imidazoline Drugs, Clonidine and Rilmenidine, on Rat Eye Pupil Size Confirms the Decisive Role of α -Adrenoceptors on Mydriasis. <i>International Journal of Pharmacology</i> , 2014 , 10, 470-478	0.7	1
128	The influence of age and dosage on the pharmacodynamics of dexmedetomidine in rabbits. <i>Journal of Medical Science</i> , 2014 , 83, 108-115	1.6	2
127	Assessing circadian rhythms during prolonged midazolam infusion in the pediatric intensive care unit (PICU) children. <i>Pharmacological Reports</i> , 2013 , 65, 107-21	3.9	10
126	Ionic liquids as mobile phase additives for feasible assay of naphazoline in pharmaceutical formulation by HPTLC-UV-densitometric method. <i>Journal of Chromatographic Science</i> , 2013 , 51, 560-5	1.4	24
125	Quantitative structure-retention relationships models for prediction of high performance liquid chromatography retention time of small molecules: endogenous metabolites and banned compounds. <i>Analytica Chimica Acta</i> , 2013 , 797, 13-9	6.6	70
124	Steroid profiles as potential biomarkers in patients with urogenital tract cancer for diagnostic investigations analyzed by liquid chromatography coupled to mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 73, 108-15	3.5	13
123	Chromatographic retention parameters in correlation analysis with in silico biological descriptors of a novel series of N-phenyl-3-methyl succinimide derivatives. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 72, 65-73	3.5	24
122	Mydriasis model in rats as a simple system to evaluate α -adrenergic activity of the imidazol(in)e compounds. <i>Pharmacological Reports</i> , 2013 , 65, 305-12	3.9	7
121	Liquid chromatography tandem mass spectrometry study of urinary nucleosides as potential cancer markers. <i>Journal of Chromatography A</i> , 2013 , 1283, 122-31	4.5	55
120	Partial least square and hierarchical clustering in ADMET modeling: prediction of blood-brain barrier permeation of α -adrenergic and imidazoline receptor ligands. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2013 , 16, 622-47	3.4	20
119	Advanced assessment of the endogenous hormone level as a potential biomarker of the urogenital tract cancer. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 463-72	1.3	1
118	Affinity Chromatography Method for Determination of Binding of Drugs to Melanin and Evaluation of Side Effect Potential of Antipsychotic Agents. <i>Current Pharmaceutical Analysis</i> , 2013 , 9, 131-138	0.6	4
117	A new pH/organic modifier gradient RP HPLC method for convenient determination of lipophilicity and acidity of drugs as applied to established imidazoline agents. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 47, 1-5	5.1	11
116	Pharmacokinetics and pharmacodynamics of propofol in patients undergoing abdominal aortic surgery. <i>Pharmacological Reports</i> , 2012 , 64, 113-22	3.9	25
115	Comparison of RP-HPLC columns used for determination of nucleoside metabolic patterns in urine of cancer patients. <i>Bioanalysis</i> , 2012 , 4, 1185-94	2.1	13
114	New supervised alignment method as a preprocessing tool for chromatographic data in metabolomic studies. <i>Journal of Chromatography A</i> , 2012 , 1256, 150-9	4.5	12
113	QSAR, QSPR and QSRR in Terms of 3-D-MoRSE Descriptors for In Silico Screening of Clofibrac Acid Analogues. <i>Molecular Informatics</i> , 2012 , 31, 453-8	3.8	10

112	Reversed-phase TLC and HPLC retention data in correlation studies with in silico molecular descriptors and druglikeness properties of newly synthesized anticonvulsant succinimide derivatives. <i>Molecular Pharmaceutics</i> , 2011 , 8, 555-63	5.6	43
111	Gradient reversed-phase high-performance chromatography of ionogenic analytes. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1372-1381	14.6	18
110	The state-of-the-art determination of urinary nucleosides using chromatographic techniques "hyphenated" with advanced bioinformatic methods. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2039-50	4.4	36
109	Thermodynamic vs. extrathermodynamic modeling of chromatographic retention. <i>Journal of Chromatography A</i> , 2011 , 1218, 5120-30	4.5	8
108	Magnetic beads method for determination of binding of drugs to melanin. <i>Journal of Chromatography A</i> , 2011 , 1218, 229-36	4.5	19
107	Association constants of pyridine and piperidine alkaloids to amyloid beta peptide determined by electrochemical impedance spectroscopy. <i>Current Alzheimer Research</i> , 2010 , 7, 165-72	3	25
106	pH Gradient as a tool for the separation of ionizable analytes in reversed-phase high-performance chromatography. <i>Analytical Chemistry</i> , 2010 , 82, 3692-8	7.8	26
105	Altered levels of nucleoside metabolite profiles in urogenital tract cancer measured by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 1305-12	3.5	42
104	Metabolomic approach for determination of urinary nucleosides as potential tumor markers using electromigration techniques. <i>Electrophoresis</i> , 2010 , 31, 2300-10	3.6	30
103	¹⁹ F MRI of 3D CEM cells to study the effects of tocopherols and tocotrienols. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 599-602	3.5	8
102	Retention time and peak width in the combined pH/organic modifier gradient high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2010 , 1217, 3375-81	4.5	21
101	Efficient recovery of electrophoretic profiles of nucleoside metabolites from urine samples by multivariate curve resolution. <i>Electrophoresis</i> , 2009 , 30, 3573-81	3.6	11
100	Predictions of peptides retention times in reversed-phase liquid chromatography as a new supportive tool to improve protein identification in proteomics. <i>Proteomics</i> , 2009 , 9, 835-47	4.8	57
99	Nineteenth International Symposium on Pharmaceutical and Biomedical Analysis. Preface. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009 , 50, 549	3.5	0
98	The application of ¹⁹ F magnetic resonance ex vivo imaging of three-dimensional cultured breast cancer cells to study the effect of delta-tocopherol. <i>Analytical Biochemistry</i> , 2009 , 387, 315-7	3.1	16
97	Influence of pH on retention in linear organic modifier gradient RP HPLC. <i>Analytical Chemistry</i> , 2008 , 80, 7855-61	7.8	22
96	pH gradient reversed-phase liquid chromatography as a fractionation tool for the separation of peptides. <i>Talanta</i> , 2008 , 75, 76-82	6.2	5
95	Predictions of Reversed-Phase Gradient Elution LC Separations Supported by QSRR. <i>Chromatographia</i> , 2008 , 68, 161-166	2.1	12

94	The application of gradient reversed-phase high-performance liquid chromatography to the pK(a) and log k(w) determination of polyprotic analytes. <i>Journal of Chromatography A</i> , 2008 , 1214, 109-14	4.5	28
93	Evaluation of different warping methods for the analysis of CE profiles of urinary nucleosides. <i>Electrophoresis</i> , 2007 , 28, 2861-73	3.6	26
92	Comparative evaluation of high-performance liquid chromatography stationary phases used for the separation of peptides in terms of quantitative structure-retention relationships. <i>Journal of Chromatography A</i> , 2007 , 1175, 49-54	4.5	36
91	QSRR: quantitative structure-(chromatographic) retention relationships. <i>Chemical Reviews</i> , 2007 , 107, 3212-46	68.1	372
90	Electrochemical impedance spectroscopy for study of amyloid beta-peptide interactions with (-) nicotine ditartrate and (-) cotinine. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1955-60	11.8	82
89	Development and validation of urinary nucleosides and creatinine assay by capillary electrophoresis with solid phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 1118-26	3.5	50
88	Application of Ionic Liquids in Liquid Chromatography. <i>Critical Reviews in Analytical Chemistry</i> , 2007 , 37, 127-140	5.2	87
87	Evaluation of the silanol-suppressing potency of ionic liquids. <i>Journal of Separation Science</i> , 2006 , 29, 1138-45	3.4	64
86	Simultaneous determination of pKa and lipophilicity by gradient RP HPLC. <i>Analytical Chemistry</i> , 2006 , 78, 239-49	7.8	81
85	Binding of an oxindole alkaloid from <i>Uncaria tomentosa</i> to amyloid protein (A β 1-40). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006 , 61, 821-6	1.7	5
84	Separation of nicotinic acid and its structural isomers using 1-ethyl-3-methylimidazolium ionic liquid as a buffer additive by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 329-32	3.5	48
83	Progress in the Use of HPLC for Evaluation of Lipophilicity. <i>Current Computer-Aided Drug Design</i> , 2006 , 2, 327-340	1.4	29
82	Imidazoline receptors in relaxation of acetylcholine-constricted isolated rat jejunum. <i>Pharmacological Reports</i> , 2006 , 58, 700-10	3.9	6
81	Prediction of peptide retention at different HPLC conditions from multiple linear regression models. <i>Journal of Proteome Research</i> , 2005 , 4, 555-63	5.6	90
80	Combined pH/organic solvent gradient HPLC in analysis of forensic material. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 871-5	3.5	17
79	Human red blood cells targeted metabolome analysis of glycolysis cycle metabolites by capillary electrophoresis using an indirect photometric detection method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 39, 636-42	3.5	20
78	Reduction of silanophilic interactions in liquid chromatography with the use of ionic liquids. <i>Analytica Chimica Acta</i> , 2005 , 547, 172-178	6.6	82
77	Comparative characteristics of HPLC columns based on quantitative structure-retention relationships (QSRR) and hydrophobic-subtraction model. <i>Journal of Chromatography A</i> , 2005 , 1075, 109-115	4.5	99

76	pH/organic solvent double-gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , 2005 , 77, 449-58	7.8	42
75	Verification of the exponential model of body temperature decrease after death in pigs. <i>Experimental Physiology</i> , 2005 , 90, 727-38	2.4	23
74	Behavior of peptides and computer-assisted optimization of peptides separations in a normal-phase thin-layer chromatography system with and without the addition of ionic liquid in the eluent. <i>Biomedical Chromatography</i> , 2005 , 19, 1-8	1.7	30
73	Theoretical opportunities and actual limitations of pH gradient HPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 718-27	4.4	23
72	Prediction of high-performance liquid chromatography retention of peptides with the use of quantitative structure-retention relationships. <i>Proteomics</i> , 2005 , 5, 409-15	4.8	67
71	pH gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , 2004 , 76, 749-60	7.8	53
70	Determination of pKa by pH gradient reversed-phase HPLC. <i>Analytical Chemistry</i> , 2004 , 76, 3069-77	7.8	79
69	Suppression of deleterious effects of free silanols in liquid chromatography by imidazolium tetrafluoroborate ionic liquids. <i>Journal of Chromatography A</i> , 2004 , 1030, 263-71	4.5	153
68	pH gradient high-performance liquid chromatography: theory and applications. <i>Journal of Chromatography A</i> , 2004 , 1060, 165-75	4.5	39
67	Artificial neural network analysis for evaluation of peptide MS/MS spectra in proteomics. <i>Analytical Chemistry</i> , 2004 , 76, 1726-32	7.8	58
66	Artificial neural networks for prediction of antibacterial activity in series of imidazole derivatives. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2004 , 7, 327-36	1.3	6
65	High-throughput evaluation of lipophilicity and acidity by new gradient HPLC methods. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2004 , 7, 281-9	1.3	13
64	New approaches to chromatographic determination of lipophilicity of xenobiotics. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 803-11	4.4	35
63	Quantitative structure-retention relationships in reversed-phase liquid chromatography using several stationary and mobile phases. <i>Journal of Separation Science</i> , 2003 , 26, 777-792	3.4	30
62	Prediction of gradient retention from the linear solvent strength (LSS) model, quantitative structure-retention relationships (QSRR), and artificial neural networks (ANN). <i>Journal of Separation Science</i> , 2003 , 26, 271-282	3.4	65
61	Evaluation of HPLC columns: A study on surface homogeneity of chemically bonded stationary phases. <i>Journal of Separation Science</i> , 2003 , 26, 313-321	3.4	38
60	Predictive approaches to gradient retention based on analyte structural descriptors from calculation chemistry. <i>Journal of Chromatography A</i> , 2003 , 987, 29-37	4.5	69
59	Chromatographic retention parameters in medicinal chemistry and molecular pharmacology. <i>Current Medicinal Chemistry</i> , 2003 , 10, 381-426	4.3	140

58	Quantitative structure-retention relationships in affinity high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 768, 55-66 ^{3,2}	39
57	Quantitative structure-retention relationships in comparative studies of behavior of stationary phases under high-performance liquid chromatography and capillary electrochromatography conditions. <i>Journal of Chromatography A</i> , 2002 , 977, 193-206	4.5 41
56	Lipophilicity and pKa estimates from gradient high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2002 , 965, 117-27	4.5 87
55	Combination of linear solvent strength model and quantitative structure-retention relationships as a comprehensive procedure of approximate prediction of retention in gradient liquid chromatography. <i>Journal of Chromatography A</i> , 2002 , 962, 41-55	4.5 67
54	Separation of strength and selectivity of mobile phase by spectral mapping technique. <i>Biomedical Chromatography</i> , 2001 , 15, 348-55	1.7 1
53	Quantitative structure-retention relationships with model analytes as a means of an objective evaluation of chromatographic columns. <i>Journal of Chromatographic Science</i> , 2001 , 39, 29-38	1.4 48
52	Gradient HPLC in the determination of drug lipophilicity and acidity. <i>Pure and Applied Chemistry</i> , 2001 , 73, 1465-1475	2.1 43
51	Quantitative structure/retention relationships in affinity chromatography. <i>Journal of Proteomics</i> , 2001 , 49, 83-98	23
50	Hypolipidaemic and antiplatelet agents. <i>Expert Opinion on Therapeutic Patents</i> , 2001 , 11, 1301-1327	6.8 2
49	Linear and Quadratic Relationships between Retention and Organic Modifier Content in Eluent in Reversed Phase High-Performance Liquid Chromatography: A Systematic Comparative Statistical Study. <i>Journal of High Resolution Chromatography</i> , 2000 , 23, 667-676	37
48	Retention of barbituric acid derivatives on immobilized artificial membrane stationary phase and its correlation with biological activity. <i>Biomedical Chromatography</i> , 2000 , 14, 256-60	1.7 19
47	Synthesis and hypolipidemic and antiplatelet activities of alpha-asarone isomers in humans (in vitro), mice (in vivo), and rats (in vivo). <i>Journal of Medicinal Chemistry</i> , 2000 , 43, 3671-6	8.3 41
46	Pharmacological classification of drugs based on neural network processing of molecular modeling data. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2000 , 3, 525-33	1.3 10
45	Chromatography and capillary electrophoresis in modelling the basic processes of drug action. <i>TrAC - Trends in Analytical Chemistry</i> , 1999 , 18, 400-410	14.6 43
44	Cholesteryl-silica stationary phase for liquid chromatography: Comparative study of retention behavior and selectivity. <i>Journal of Chromatography A</i> , 1999 , 845, 433-445	4.5 65
43	Molecular mechanism of retention in reversed-phase high-performance liquid chromatography and classification of modern stationary phases by using quantitative structure-retention relationships. <i>Journal of Chromatography A</i> , 1999 , 855, 455-86	4.5 181
42	Test analytes for studies of the molecular mechanism of chromatographic separations by quantitative structure-retention relationships. <i>Analytical Chemistry</i> , 1999 , 71, 2976-85	7.8 63
41	Collagen immobilised on silica derivatives as a new stationary phase for HPLC. <i>Biomedical Chromatography</i> , 1998 , 12, 187-92	1.7 14

40	Mechanism of separation on cholesterol-silica stationary phase for high-performance liquid chromatography as revealed by analysis of quantitative structure-retention relationships. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998 , 18, 721-8	3.5	53
39	Chemically Bonded Silica Stationary Phases: Synthesis, Physicochemical Characterization, and Molecular Mechanism of Reversed-Phase HPLC Retention. <i>Analytical Chemistry</i> , 1997 , 69, 3277-3284	7.8	93
38	Keratin immobilized on silica as a new stationary phase for chromatographic modelling of skin permeation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997 , 15, 1325-33	3.5	40
37	Determination of solute lipophilicity, as log P(octanol) and log P(alkane) using poly(styrene-divinylbenzene) and immobilised artificial membrane stationary phases in reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1997 , 766, 35-47	4.5	146
36	Non-linear structure-enantioselective retention relationships in a homologous series of 1,4-disubstituted piperazine derivatives. <i>Journal of Chromatography A</i> , 1997 , 788, 81-85	4.5	12
35	Quantitative structure-retention relationships in the examination of the topography of the binding site of antihistamine drugs on alpha 1-acid glycoprotein. <i>Journal of Chromatography A</i> , 1996 , 722, 25-32	4.5	69
34	New stationary phases for the high-performance liquid chromatographic separation of nucleosides and cyclic nucleotides synthesis and chemometric analysis of retention data. <i>Journal of Chromatography A</i> , 1996 , 728, 201-211	4.5	28
33	Hydrophobicity parameter from high-performance liquid chromatography on an immobilized artificial membrane column and its relationship to bioactivity. <i>Journal of Chromatography A</i> , 1995 , 692, 83-89	4.5	76
32	Quantitative Structure-Retention Relationships in Capillary Electrophoresis of Inorganic Cations and β -Adrenolytic and Sulfonamides Compounds. <i>QSAR and Combinatorial Science</i> , 1995 , 14, 356-361		9
31	Comparative studies of antiplatelet activity of nonsteroidal antiinflammatory drugs and new pyrazine CH- and NH-acids. <i>Life Sciences</i> , 1995 , 56, 667-77	6.8	9
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