

Lucie Novakova

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140
papers

4,566
citations

36
h-index

63
g-index

153
ext. papers

5,142
ext. citations

5
avg, IF

5.91
L-index

#	Paper	IF	Citations
140	A review of current trends and advances in modern bio-analytical methods: chromatography and sample preparation. <i>Analytica Chimica Acta</i> , 2009 , 656, 8-35	6.6	433
139	Advantages of application of UPLC in pharmaceutical analysis. <i>Talanta</i> , 2006 , 68, 908-18	6.2	339
138	An overview of analytical methodologies for the determination of antibiotics in environmental waters. <i>Analytica Chimica Acta</i> , 2009 , 649, 158-79	6.6	218
137	Modern analytical supercritical fluid chromatography using columns packed with sub-2 μ m particles: a tutorial. <i>Analytica Chimica Acta</i> , 2014 , 824, 18-35	6.6	203
136	Supercritical fluid chromatography in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 113, 56-71	3.5	177
135	HPLC methods for simultaneous determination of ascorbic and dehydroascorbic acids. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 942-958	14.6	119
134	Analysis of phenolic compounds by high performance liquid chromatography and ultra performance liquid chromatography. <i>Talanta</i> , 2008 , 76, 189-99	6.2	109
133	Determination of steroid hormones in biological and environmental samples using green microextraction techniques: an overview. <i>Analytica Chimica Acta</i> , 2011 , 704, 33-46	6.6	93
132	Challenges in the development of bioanalytical liquid chromatography-mass spectrometry method with emphasis on fast analysis. <i>Journal of Chromatography A</i> , 2013 , 1292, 25-37	4.5	91
131	Advantages of ultra performance liquid chromatography over high-performance liquid chromatography: comparison of different analytical approaches during analysis of diclofenac gel. <i>Journal of Separation Science</i> , 2006 , 29, 2433-43	3.4	85
130	High-sensitivity analysis of female-steroid hormones in environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 34, 35-58	14.6	82
129	Development and application of UHPLC-MS/MS method for the determination of phenolic compounds in Chamomile flowers and Chamomile tea extracts. <i>Talanta</i> , 2010 , 82, 1271-80	6.2	80
128	Ultra high performance supercritical fluid chromatography coupled with tandem mass spectrometry for screening of doping agents. II: Analysis of biological samples. <i>Analytica Chimica Acta</i> , 2015 , 853, 647-659	6.6	78
127	HPLC methods for the determination of simvastatin and atorvastatin. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 352-367	14.6	64
126	Ultra high performance supercritical fluid chromatography coupled with tandem mass spectrometry for screening of doping agents. I: Investigation of mobile phase and MS conditions. <i>Analytica Chimica Acta</i> , 2015 , 853, 637-646	6.6	60
125	Rapid qualitative and quantitative ultra high performance liquid chromatography method for simultaneous analysis of twenty nine common phenolic compounds of various structures. <i>Talanta</i> , 2010 , 80, 1970-9	6.2	60
124	Hydrophilic interaction chromatography of polar and ionizable compounds by UHPLC. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 63, 55-64	14.6	58

123	Practical method transfer from high performance liquid chromatography to ultra-high performance liquid chromatography: the importance of frictional heating. <i>Journal of Chromatography A</i> , 2011 , 1218, 7971-81	4.5	54
122	Recent developments in supercritical fluid chromatography [mass spectrometry: Is it a viable option for analysis of complex samples?. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 112, 212-225	14.6	54
121	General screening and optimization strategy for fast chiral separations in modern supercritical fluid chromatography. <i>Analytica Chimica Acta</i> , 2017 , 950, 199-210	6.6	53
120	Flavonoid metabolite 3-(3-hydroxyphenyl)propionic acid formed by human microflora decreases arterial blood pressure in rats. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 981-91	5.9	53
119	Fast and sensitive supercritical fluid chromatography - tandem mass spectrometry multi-class screening method for the determination of doping agents in urine. <i>Analytica Chimica Acta</i> , 2016 , 915, 102-10	6.6	50
118	Liquid chromatography and supercritical fluid chromatography as alternative techniques to gas chromatography for the rapid screening of anabolic agents in urine. <i>Journal of Chromatography A</i> , 2016 , 1451, 145-155	4.5	50
117	Ultra high performance liquid chromatography tandem mass spectrometric detection in clinical analysis of simvastatin and atorvastatin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 2093-103	3.2	47
116	Comparison of positive and negative ion detection of tea catechins using tandem mass spectrometry and ultra high performance liquid chromatography. <i>Food Chemistry</i> , 2010 , 123, 535-541	8.5	47
115	Microextraction by packed sorbent as sample preparation step for atorvastatin and its metabolites in biological samples--critical evaluation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 55, 301-8	3.5	46
114	Comparison of UV and charged aerosol detection approach in pharmaceutical analysis of statins. <i>Talanta</i> , 2009 , 78, 834-9	6.2	45
113	Hydrophilic interaction liquid chromatography--charged aerosol detection as a straightforward solution for simultaneous analysis of ascorbic acid and dehydroascorbic acid. <i>Journal of Chromatography A</i> , 2009 , 1216, 4574-81	4.5	43
112	Simultaneous HPLC determination of ketoprofen and its degradation products in the presence of preservatives in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 625-9	3.5	43
111	First inter-laboratory study of a Supercritical Fluid Chromatography method for the determination of pharmaceutical impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 161, 414-424	3.5	43
110	Determination of estradiol and its degradation products by liquid chromatography. <i>Journal of Chromatography A</i> , 2006 , 1119, 216-23	4.5	42
109	Fast and sensitive UHPLC methods with fluorescence and tandem mass spectrometry detection for the determination of tetracycline antibiotics in surface waters. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 927, 201-8	3.2	41
108	Comparison of performance of C18 monolithic rod columns and conventional C18 particle-packed columns in liquid chromatographic determination of Estrogel and Ketoprofen gel. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004 , 813, 191-7	3.2	41
107	Comparison of a novel ultra-performance liquid chromatographic method for determination of retinol and alpha-tocopherol in human serum with conventional HPLC using monolithic and particulate columns. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 675-81	4.4	39
106	Ultra-fast separation of estrogen steroids using subcritical fluid chromatography on sub-2-micron particles. <i>Talanta</i> , 2014 , 121, 178-86	6.2	38

105	HPLC determination of estradiol, its degradation product, and preservatives in new topical formulation Estrogel HBF. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 781-7	4.4	36
104	Determination of pravastatin and pravastatin lactone in rat plasma and urine using UHPLC-MS/MS and microextraction by packed sorbent. <i>Talanta</i> , 2012 , 90, 22-9	6.2	35
103	Determination of fluoroquinolone antibiotics in wastewater using ultra high-performance liquid chromatography with mass spectrometry and fluorescence detection. <i>Journal of Separation Science</i> , 2010 , 33, 2094-108	3.4	35
102	Development and validation of UHPLC-MS/MS method for determination of eight naturally occurring catechin derivatives in various tea samples and the role of matrix effects. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 114, 62-70	3.5	34
101	Evaluation of hybrid hydrophilic interaction chromatography stationary phases for ultra-HPLC in analysis of polar pteridines. <i>Journal of Separation Science</i> , 2010 , 33, 765-72	3.4	34
100	Isoquinoline Alkaloids from <i>Berberis vulgaris</i> as Potential Lead Compounds for the Treatment of Alzheimer's Disease. <i>Journal of Natural Products</i> , 2019 , 82, 239-248	4.9	33
99	Development and validation of ultra-high performance supercritical fluid chromatography method for determination of illegal dyes and comparison to ultra-high performance liquid chromatography method. <i>Analytica Chimica Acta</i> , 2015 , 874, 84-96	6.6	33
98	Hydrophilic interaction liquid chromatography method for the determination of ascorbic acid. <i>Journal of Separation Science</i> , 2008 , 31, 1634-44	3.4	31
97	Development and validation of HPLC method for determination of indomethacin and its two degradation products in topical gel. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 899-905	3.5	31
96	Current state of bioanalytical chromatography in clinical analysis. <i>Analyst, The</i> , 2018 , 143, 1305-1325	5	30
95	Development and optimization of ultra-high performance supercritical fluid chromatography mass spectrometry method for high-throughput determination of tocopherols and tocotrienols in human serum. <i>Analytica Chimica Acta</i> , 2016 , 934, 252-65	6.6	30
94	Amaryllidaceae alkaloids from <i>Narcissus pseudonarcissus</i> L. cv. Dutch Master as potential drugs in treatment of Alzheimer's disease. <i>Phytochemistry</i> , 2019 , 165, 112055	4	29
93	Evaluation of new mixed-mode UHPLC stationary phases and the importance of stationary phase choice when using low ionic-strength mobile phase additives. <i>Talanta</i> , 2012 , 93, 99-105	6.2	29
92	Current antiviral drugs and their analysis in biological materials - Part II: Antivirals against hepatitis and HIV viruses. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 147, 378-399	3.5	28
91	HPLC determination of chlorhexidine gluconate and p-chloroaniline in topical ointment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 43, 1169-73	3.5	26
90	High-speed gradient separations of peptides and proteins using polymer-monolithic poly(styrene-co-divinylbenzene) capillary columns at ultra-high pressure. <i>Journal of Chromatography A</i> , 2013 , 1304, 177-82	4.5	25
89	Isoquinoline Alkaloids from <i>Fumaria officinalis</i> L. and Their Biological Activities Related to Alzheimer's Disease. <i>Chemistry and Biodiversity</i> , 2016 , 13, 91-9	2.5	23
88	Vitamin C-Sources, Physiological Role, Kinetics, Deficiency, Use, Toxicity, and Determination. <i>Nutrients</i> , 2021 , 13,	6.7	23

87	Alkaloids from <i>Narcissus poeticus</i> cv. Pink Parasol of various structural types and their biological activity. <i>Archives of Pharmacal Research</i> , 2018 , 41, 208-218	6.1	23
86	Two flavonoid metabolites, 3,4-dihydroxyphenylacetic acid and 4-methylcatechol, relax arteries ex vivo and decrease blood pressure in vivo. <i>Vascular Pharmacology</i> , 2018 , 111, 36-43	5.9	22
85	Determination of Sudan dyes in chili products by micellar electrokinetic chromatography-MS/MS using a volatile surfactant. <i>Food Chemistry</i> , 2020 , 310, 125963	8.5	22
84	Identification, characterization, synthesis and HPLC quantification of new process-related impurities and degradation products in retigabine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 94, 71-6	3.5	21
83	Study of the retention behavior of small polar molecules on different types of stationary phases used in hydrophilic interaction liquid chromatography. <i>Journal of Separation Science</i> , 2014 , 37, 1297-307 ³⁻⁴		21
82	Direct analysis in real time--high resolution mass spectrometry as a valuable tool for the pharmaceutical drug development. <i>Talanta</i> , 2014 , 130, 518-26	6.2	21
81	Orthogonal Middle-up Approaches for Characterization of the Glycan Heterogeneity of Etanercept by Hydrophilic Interaction Chromatography Coupled to High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 873-880	7.8	21
80	Isolation of Amaryllidaceae alkaloids from <i>Nerine bowdenii</i> W. Watson and their biological activities. <i>RSC Advances</i> , 2016 , 6, 80114-80120	3.7	20
79	Derivatives of the Ecrinane Amaryllidaceae Alkaloid Haemanthamine as Multi-Target Directed Ligands for Alzheimer's Disease. <i>Molecules</i> , 2019 , 24,	4.8	19
78	Chronic stress-like syndrome as a consequence of medial site subthalamic stimulation in Parkinson's disease. <i>Psychoneuroendocrinology</i> , 2015 , 52, 302-10	5	19
77	1,2,5-Chalcogenadiazole-Annulated Tripyrazinoporphyrazines: Synthesis, Spectral Characteristics, and Influence of the Heavy Atom Effect on Their Photophysical Properties. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 596-604	3.2	19
76	Highly sensitive fast determination of entecavir in rat urine by means of hydrophilic interaction chromatography-ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1259, 237-43	4.5	19
75	Simultaneous determination of quercetin and its metabolites in rat plasma by using ultra-high performance liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2018 , 185, 71-79	6.2	18
74	Retention behavior of a homologous series and positional isomers of aliphatic amino acids in hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , 2014 , 37, 739-47	3.4	18
73	Separation and determination of terbinafine and its four impurities of similar structure using simple RP-HPLC method. <i>Talanta</i> , 2006 , 68, 713-20	6.2	18
72	Aqueous injection of quercetin: An approach for confirmation of its direct in vivo cardiovascular effects. <i>International Journal of Pharmaceutics</i> , 2018 , 541, 224-233	6.5	17
71	Determination of amphetamine and methadone in human urine by microextraction by packed sorbent coupled directly to mass spectrometry: an alternative for rapid clinical and forensic analysis. <i>Journal of Separation Science</i> , 2014 , 37, 3306-13	3.4	17
70	HILIC UHPLC-MS/MS for fast and sensitive bioanalysis: accounting for matrix effects in method development. <i>Bioanalysis</i> , 2013 , 5, 2345-57	2.1	17

69	Scoulerine affects microtubule structure, inhibits proliferation, arrests cell cycle and thus culminates in the apoptotic death of cancer cells. <i>Scientific Reports</i> , 2018 , 8, 4829	4.9	16
68	Sample preparation and UHPLC-FD analysis of pteridines in human urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 95, 265-72	3.5	16
67	Determination of pteridines in biological samples with an emphasis on their stability. <i>Bioanalysis</i> , 2013 , 5, 2307-26	2.1	15
66	Development, validation and comparison of UHPSFC and UHPLC methods for the determination of agomelatine and its impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 125, 376-84	3.5	15
65	How to address the sample preparation of hydrophilic compounds: Determination of entecavir in plasma and plasma ultrafiltrate with novel extraction sorbents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 88, 337-44	3.5	14
64	Ultra high performance liquid chromatography tandem mass spectrometry analysis of quorum-sensing molecules of <i>Candida albicans</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 674-81	3.5	14
63	In-line molecularly imprinted polymer solid phase extraction-capillary electrophoresis coupled with tandem mass spectrometry for the determination of patulin in apple-based food. <i>Food Chemistry</i> , 2021 , 334, 127607	8.5	14
62	Current antiviral drugs and their analysis in biological materials-Part I: Antivirals against respiratory and herpes viruses. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 147, 400-416	3.5	13
61	High-resolution peptide separations using nano-LC at ultra-high pressure. <i>Journal of Separation Science</i> , 2013 , 36, 1192-9	3.4	13
60	Fully substituted pyranones via quasi-heterogeneous genuinely ligand-free Migita-Stille coupling of iodoacrylates. <i>Organic Letters</i> , 2015 , 17, 520-3	6.2	13
59	Aromatic Esters of the Crinine Amaryllidaceae Alkaloid Ambelline as Selective Inhibitors of Butyrylcholinesterase. <i>Journal of Natural Products</i> , 2020 , 83, 1359-1367	4.9	13
58	Amaryllidaceae Alkaloids of Belladine-Type from cv. Carlton as New Selective Inhibitors of Butyrylcholinesterase. <i>Biomolecules</i> , 2020 , 10,	5.9	12
57	Supercritical fluid chromatography in chiral separations: Evaluation of equivalency of polysaccharide stationary phases. <i>Journal of Separation Science</i> , 2020 , 43, 2675-2689	3.4	12
56	A comparison of performance of various analytical columns in pharmaceutical analysis: conventional C18 and high throughput C18 zorbax columns. <i>Journal of Chromatography A</i> , 2005 , 1088, 24-31	4.5	12
55	Development of matrix effect-free MISPE-UHPLC-MS/MS method for determination of lovastatin in Pu-erh tea, oyster mushroom, and red yeast rice. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 140, 367-376	3.5	11
54	Synthesis of a molecularly imprinted sorbent for selective solid-phase extraction of EN-methylamino-L-alanine. <i>Talanta</i> , 2015 , 144, 1021-9	6.2	11
53	Recovery of mucosal-associated invariant T cells after myeloablative chemotherapy and autologous peripheral blood stem cell transplantation. <i>Clinical and Experimental Medicine</i> , 2016 , 16, 529-537	4.9	11
52	Synthesis and Biological Evaluation of N-Alkyl-3-(alkylamino)-pyrazine-2-carboxamides. <i>Molecules</i> , 2015 , 20, 8687-711	4.8	11

51	Oral administration of quercetin is unable to protect against isoproterenol cardiotoxicity. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014 , 387, 823-35	3.4	10
50	One-step extraction of polar drugs from plasma by parallel artificial liquid membrane extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1043, 25-32	3.2	10
49	Application of monolithic columns in pharmaceutical analysis. Determination of indomethacin and its degradation products. <i>Journal of Separation Science</i> , 2009 , 32, 2786-92	3.4	10
48	Simplified solid-phase extraction procedure combined with liquid chromatography tandem-mass spectrometry for multiresidue assessment of pharmaceutical compounds in environmental liquid samples. <i>Journal of Chromatography A</i> , 2017 , 1487, 54-63	4.5	9
47	Ion mobility-high resolution mass spectrometry in anti-doping analysis. Part I: Implementation of a screening method with the assessment of a library of substances prohibited in sports. <i>Analytica Chimica Acta</i> , 2021 , 1152, 338257	6.6	9
46	The Benefits of Ultra-High-Performance Supercritical Fluid Chromatography in Determination of Lipophilic Vitamins in Dietary Supplements. <i>Chromatographia</i> , 2019 , 82, 477-487	2.1	8
45	Development of MEPS-UHPLC-MS/MS multistatin methods for clinical analysis. <i>Bioanalysis</i> , 2016 , 8, 333-49	4.9	8
44	Micro-SPE in pipette tips as a tool for analysis of small-molecule drugs in serum. <i>Bioanalysis</i> , 2017 , 9, 887-901	2.1	8
43	Ultra-high performance liquid chromatography 2017 , 719-769		8
42	Low numbers and altered phenotype of invariant natural killer T cells in recurrent varicella zoster virus infection. <i>Cellular Immunology</i> , 2011 , 269, 78-81	4.4	8
41	Ultra-high performance supercritical fluid chromatography in impurity control: Searching for generic screening approach. <i>Analytica Chimica Acta</i> , 2018 , 1039, 149-161	6.6	7
40	Methodology for Synthesis of Enantiopure 3,5-Disubstituted Pyrrol-2-ones. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 5414-5423	3.2	7
39	Potential role of invariant natural killer T cells in outcomes of acute myocardial infarction. <i>International Journal of Cardiology</i> , 2015 , 187, 663-5	3.2	6
38	Functionalized aromatic esters of the Amaryllidaceae alkaloid haemanthamine and their in vitro and in silico biological activity connected to Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2020 , 100, 103928 ^{5.1}	5.1	6
37	Ultra-high performance supercritical fluid chromatography in impurity control II: Method validation. <i>Analytica Chimica Acta</i> , 2020 , 1117, 48-59	6.6	6
36	DEVELOPMENT OF A NOVEL IN-TUBE SOLID PHASE MICROEXTRACTION BASED ON MICELLAR DESORPTION FOLLOWED BY LC-DAD-FD FOR THE DETERMINATION OF SOME ENDOCRINE DISRUPTOR COMPOUNDS IN ENVIRONMENTAL LIQUID SAMPLES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014 , 37, 1654-1672	1.3	6
35	HPLC determination of calcium pantothenate and two preservatives in topical cream. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 671-5	3.5	6
34	Extending the design space in solvent extraction [From supercritical fluids to pressurized liquids using carbon dioxide, ethanol, ethyl lactate, and water in a wide range of proportions. <i>Green Chemistry</i> , 2019 , 21, 5427-5436	10	5

33	(Z)-3-Amino-5-(pyridin-2-ylmethylidene)-2-thioxo-1,3-thiazolidin-4-one. <i>MolBank</i> , 2015 , 2015, M872	0.5	5
32	Solid-Phase Synthesis of γ -Lactone and 1,2-Oxazine Derivatives and Their Efficient Chiral Analysis. <i>PLoS ONE</i> , 2016 , 11, e0166558	3.7	5
31	Interplay of drug transporters P-glycoprotein (MDR1), MRP1, OATP1A2 and OATP1B3 in passage of maraviroc across human placenta. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 129, 110506	7.5	5
30	Monolithic Poly(styrene-divinylbenzene) Columns for Supercritical Fluid Chromatography-Mass Spectrometry Analysis of Polypeptide. <i>Analytical Chemistry</i> , 2020 , 92, 11525-11529	7.8	5
29	Amaryllidaceae alkaloids from <i>Hippeastrum X Hybridum</i> CV. Ferrari, and preparation of vittatine derivatives as potential ligands for Alzheimer's disease. <i>South African Journal of Botany</i> , 2021 , 136, 137-146	7.9	5
28	Alkaloids of <i>Zephyranthes citrina</i> (Amaryllidaceae) and their implication to Alzheimer's disease: Isolation, structural elucidation and biological activity. <i>Bioorganic Chemistry</i> , 2021 , 107, 104567	5.1	5
27	Ion mobility-high resolution mass spectrometry in doping control analysis. Part II: Comparison of acquisition modes with and without ion mobility. <i>Analytica Chimica Acta</i> , 2021 , 1175, 338739	6.6	5
26	Vitamin K - sources, physiological role, kinetics, deficiency, detection, therapeutic use, and toxicity. <i>Nutrition Reviews</i> , 2021 ,	6.4	5
25	Intravenous rutin in rat exacerbates isoprenaline-induced cardiotoxicity likely due to intracellular oxidative stress. <i>Redox Report</i> , 2017 , 22, 78-90	5.9	4
24	Use of ultra high performance liquid chromatography-tandem mass spectrometry to demonstrate decreased serum statin levels after extracorporeal LDL-cholesterol elimination. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 912472		4
23	Current state of supercritical fluid chromatography-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 149, 116544	14.6	4
22	Degradation study of nitroaromatic explosives 2-diazo-4,6-dinitrophenol and picramic acid using HPLC and UHPLC-ESI-MS/MS. <i>Analytical Methods</i> , 2014 , 6, 4761	3.2	3
21	Chapter 9:UHPLC in Modern Bioanalysis. <i>RSC Chromatography Monographs</i> , 2012 , 237-282		3
20	Structure Elucidation and Cholinesterase Inhibition Activity of Two New Minor Amaryllidaceae Alkaloids. <i>Molecules</i> , 2021 , 26,	4.8	3
19	Vitamin D: sources, physiological role, biokinetics, deficiency, therapeutic use, toxicity, and overview of analytical methods for detection of vitamin D and its metabolites.. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2022 , 1-38	9.4	3
18	Unambiguous determination of farnesol and tyrosol in vaginal fluid using fast and sensitive UHPLC-MS/MS method. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 6529-6541	4.4	2
17	Pharmaceutical Applications 2017 , 461-494		2
16	Ultra-High Performance Supercritical Fluid ChromatographyMass Spectrometry 2017 , 445-487		2

15	Three-dimensional liquid chromatography with parallel second dimensions and quadruple parallel mass spectrometry for adult/infant formula analysis. <i>Journal of Chromatography A</i> , 2021 , 1661, 462682	4.5	2
14	Monoterpene indole alkaloids from <i>Vinca minor</i> L. (Apocynaceae): Identification of new structural scaffold for treatment of Alzheimer's disease. <i>Phytochemistry</i> , 2021 , 194, 113017	4	2
13	Determination of Antiviral Drugs and Their Metabolites Using Micro-Solid Phase Extraction and UHPLC-MS/MS in Reversed-Phase and Hydrophilic Interaction Chromatography Modes. <i>Molecules</i> , 2021 , 26,	4.8	2
12	Ultra-high performance supercritical fluid chromatography coupled to tandem mass spectrometry for antidoping analyses: Assessment of the inter-laboratory reproducibility with urine samples. <i>Analytical Science Advances</i> , 2021 , 2, 68-75	1.1	2
11	(+)-Chenabinol (Revised NMR Data) and Two New Alkaloids from <i>Berberis vulgaris</i> and their Biological Activity. <i>Natural Product Communications</i> , 2015 , 10, 1934578X1501001	0.9	1
10	Innate-like behavior of human invariant natural killer T cells during herpes simplex virus infection. <i>Cellular Immunology</i> , 2012 , 278, 16-20	4.4	1
9	Structure-Activity Relationship Study of Dexrazoxane Analogues Reveals ICRF-193 as the Most Potent Bisdioxopiperazine against Anthracycline Toxicity to Cardiomyocytes Due to Its Strong Topoisomerase II Interactions. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 3997-4019	8.3	1
8	Featuring ultimate sensitivity of high-resolution LC-MS analysis of phenolics in rat plasma. <i>Journal of Separation Science</i> , 2021 , 44, 1893-1903	3.4	1
7	Analytical challenges encountered and the potential of supercritical fluid chromatography: A perspective of five experts. <i>Analytical Science Advances</i> , 2021 , 2, 76-80	1.1	1
6	2. Supercritical fluid chromatography in bioanalysis 2018 , 33-76		1
5	Amaryllidaceae Alkaloids of Norbelladine-Type as Inspiration for Development of Highly Selective Butyrylcholinesterase Inhibitors: Synthesis, Biological Activity Evaluation, and Docking Studies. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
4	Derivatives of montanine-type alkaloids and their implication for the treatment of Alzheimer's disease: Synthesis, biological activity and in silico study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 51, 128374	2.9	1
3	The effect of column history in supercritical fluid chromatography: Practical implications. <i>Journal of Chromatography A</i> , 2021 , 1651, 462272	4.5	0
2	A New Insight into the Stereoelectronic Control of the Pd-Catalyzed Allylic Substitution: Application for the Synthesis of Multisubstituted Pyran-2-ones via an Unusual 1,3-Transposition. <i>Chemistry - A European Journal</i> , 2019 , 25, 8053-8060	4.8	
1	Quel est l'apport de la chromatographie en phase supercritique pour l'analyse antidopage ?. <i>Toxicologie Analytique Et Clinique</i> , 2018 , 30, S35-S36	0.4	