

Lucie Novakova

List of Publications by Year in descending order

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149
papers

5,854
citations

76294

40
h-index

88593

70
g-index

153
all docs

153
docs citations

153
times ranked

6569
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.6	485
2	Advantages of application of UPLC in pharmaceutical analysis. <i>Talanta</i> , 2006, 68, 908-918.	2.9	389
3	An overview of analytical methodologies for the determination of antibiotics in environmental waters. <i>Analytica Chimica Acta</i> , 2009, 649, 158-179.	2.6	286
4	Modern analytical supercritical fluid chromatography using columns packed with sub-2½m particles: A tutorial. <i>Analytica Chimica Acta</i> , 2014, 824, 18-35.	2.6	234
5	Supercritical fluid chromatography in pharmaceutical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 113, 56-71.	1.4	197
6	Vitamin C Sources, Physiological Role, Kinetics, Deficiency, Use, Toxicity, and Determination. <i>Nutrients</i> , 2021, 13, 615.	1.7	150
7	HPLC methods for simultaneous determination of ascorbic and dehydroascorbic acids. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 942-958.	5.8	145
8	Analysis of phenolic compounds by high performance liquid chromatography and ultra performance liquid chromatography. <i>Talanta</i> , 2008, 76, 189-199.	2.9	132
9	Determination of steroid hormones in biological and environmental samples using green microextraction techniques: An overview. <i>Analytica Chimica Acta</i> , 2011, 704, 33-46.	2.6	109
10	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.	1.8	107
11	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, 1271-1280.	2.9	98
12	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, 2433-2443.	1.3	96
13	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.	2.6	90
14	High-sensitivity analysis of female-steroid hormones in environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 34, 35-58.	5.8	85
15	HPLC methods for the determination of simvastatin and atorvastatin. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 352-367.	5.8	82
16	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.	5.8	80
17	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, 981-991.	1.5	69
18	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.	2.6	66

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19	Vitamin K " sources, physiological role, kinetics, deficiency, detection, therapeutic use, and toxicity. <i>Nutrition Reviews</i> , 2022, 80, 677-698.	2.6	64
20	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, 1970-1979.	2.9	63
21	Hydrophilic interaction chromatography of polar and ionizable compounds by UHPLC. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 63, 55-64.	5.8	63
22	General screening and optimization strategy for fast chiral separations in modern supercritical fluid chromatography. <i>Analytica Chimica Acta</i> , 2017, 950, 199-210.	2.6	62
23	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.	1.8	60
24	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, 7971-7981.	1.8	57
25	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, 102-110.	2.6	57
26	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.	4.2	56
27	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.	1.5	55
28	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, 2093-2103.	1.2	54
29	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, 301-308.	1.4	50
30	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, 625-629.	1.4	48
31	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, 201-208.	1.2	48
32	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, 4574-4581.	1.8	47
33	Comparison of UV and charged aerosol detection approach in pharmaceutical analysis of statins. <i>Talanta</i> , 2009, 78, 834-839.	2.9	47
34	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.	1.4	47
35	Determination of estradiol and its degradation products by liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1119, 216-223.	1.8	46
36	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, 59, 517-554.	2.7	45

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37	HPLC determination of estradiol, its degradation product, and preservatives in new topical formulation Estroge HBF. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 781-787.	1.9	43
38	Comparison of performance of C18 monolithic rod columns and conventional C18 particle-packed columns in liquid chromatographic determination of Estroge and Ketoprofen gel. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 813, 191-197.	1.2	43
39	Comparison of a novel ultra-performance liquid chromatographic method for determination of retinol and \pm -tocopherol in human serum with conventional HPLC using monolithic and particulate columns. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 675-681.	1.9	43
40	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.	1.4	43
41	Ultra-fast separation of estrogen steroids using subcritical fluid chromatography on sub-2-micron particles. <i>Talanta</i> , 2014, 121, 178-186.	2.9	42
42	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.	1.4	42
43	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.	1.4	41
44	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.	1.4	40
45	Determination of Sudan dyes in chili products by micellar electrokinetic chromatography-MS/MS using a volatile surfactant. <i>Food Chemistry</i> , 2020, 310, 125963.	4.2	40
46	Hydrophilic interaction liquid chromatography method for the determination of ascorbic acid. <i>Journal of Separation Science</i> , 2008, 31, 1634-1644.	1.3	39
47	Current state of bioanalytical chromatography in clinical analysis. <i>Analyst</i> , 2018, 143, 1305-1325.	1.7	39
48	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, 2094-2108.	1.3	38
49	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.	2.6	38
50	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, 22-29.	2.9	37
51	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.	2.7	35
52	HPLC determination of chlorhexidine gluconate and p-chloroaniline in topical ointment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1169-1173.	1.4	34
53	Evaluation of hybrid hydrophilic interaction chromatography stationary phases for ultra-HPLC in analysis of polar pteridines. <i>Journal of Separation Science</i> , 2010, 33, 765-772.	1.3	34
54	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.	2.9	34

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55	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.	1.0	34
56	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, 252-265.	2.6	33
57	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.	4.2	32
58	Isoquinoline Alkaloids from <i>Fumaria officinalis</i> L. and Their Biological Activities Related to Alzheimer's Disease. <i>Chemistry and Biodiversity</i> , 2016, 13, 91-99.	1.0	30
59	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.	2.9	30
60	Green solvents and approaches recently applied for extraction of natural bioactive compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116732.	5.8	30
61	SFC-MS versus RPLC-MS for drug analysis in biological samples. <i>Bioanalysis</i> , 2015, 7, 1193-1195.	0.6	29
62	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.	3.2	29
63	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, 177-182.	1.8	28
64	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.	1.6	26
65	Direct analysis in real time - High resolution mass spectrometry as a valuable tool for the pharmaceutical drug development. <i>Talanta</i> , 2014, 130, 518-526.	2.9	25
66	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.	1.2	25
67	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, 71-76.	1.4	24
68	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, 1297-1307.	1.3	24
69	Isolation of Amaryllidaceae alkaloids from <i>Nerine bowdenii</i> W. Watson and their biological activities. <i>RSC Advances</i> , 2016, 6, 80114-80120.	1.7	23
70	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.	1.8	23
71	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.	2.6	23
72	Derivatives of the $\hat{2}$ -Crinane Amaryllidaceae Alkaloid Haemanthamine as Multi-Target Directed Ligands for Alzheimer's Disease. <i>Molecules</i> , 2019, 24, 1307.	1.7	22

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73	Separation and determination of terbinafine and its four impurities of similar structure using simple RP-HPLC method. <i>Talanta</i> , 2006, 68, 713-720.	2.9	21
74	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.	4.6	21
75	Amaryllidaceae Alkaloids of Belladine-Type from <i>Narcissus pseudonarcissus</i> cv. Carlton as New Selective Inhibitors of Butyrylcholinesterase. <i>Biomolecules</i> , 2020, 10, 800.	1.8	21
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, 237-243.	1.8	20
77	Determination of pteridines in biological samples with an emphasis on their stability. <i>Bioanalysis</i> , 2013, 5, 2307-2326.	0.6	20
78	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, 739-747.	1.3	20
79	Chronic stress-like syndrome as a consequence of medial site subthalamic stimulation in Parkinson's disease. <i>Psychoneuroendocrinology</i> , 2015, 52, 302-310.	1.3	20
80	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.	1.9	20
81	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.	2.0	20
82	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.	2.6	20
83	HILIC UHPLC“MS/MS for fast and sensitive bioanalysis: accounting for matrix effects in method development. <i>Bioanalysis</i> , 2013, 5, 2345-2357.	0.6	19
84	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, 3306-3313.	1.3	19
85	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, 376-384.	1.4	19
86	Aromatic Esters of the Crinane Amaryllidaceae Alkaloid Ambelline as Selective Inhibitors of Butyrylcholinesterase. <i>Journal of Natural Products</i> , 2020, 83, 1359-1367.	1.5	19
87	Sample preparation and UHPLC-FD analysis of pteridines in human urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 95, 265-272.	1.4	18
88	Fully Substituted Pyranones via Quasi-Heterogeneous Genuinely Ligand-Free Migita“Stille Coupling of Iodoacrylates. <i>Organic Letters</i> , 2015, 17, 520-523.	2.4	18
89	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.	1.4	17
90	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.	1.4	17

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91	Current state of supercritical fluid chromatography-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116544.	5.8	17
92	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, 674-681.	1.4	16
93	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, 337-344.	1.4	16
94	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.	1.2	16
95	Ultra-high performance supercritical fluid chromatography in impurity control: Searching for generic screening approach. <i>Analytica Chimica Acta</i> , 2018, 1039, 149-161.	2.6	16
96	High-resolution peptide separations using nano-LC at ultra-high pressure. <i>Journal of Separation Science</i> , 2013, 36, 1192-1199.	1.3	15
97	Synthesis and Biological Evaluation of N-Alkyl-3-(alkylamino)-pyrazine-2-carboxamides. <i>Molecules</i> , 2015, 20, 8687-8711.	1.7	15
98	Supercritical fluid chromatography in chiral separations: Evaluation of equivalency of polysaccharide stationary phases. <i>Journal of Separation Science</i> , 2020, 43, 2675-2689.	1.3	15
99	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 ^β Interactions. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3997-4019.	2.9	14
100	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.	2.6	14
101	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.	1.8	12
102	Synthesis of a molecularly imprinted sorbent for selective solid-phase extraction of l ² -N-methylamino-l-alanine. <i>Talanta</i> , 2015, 144, 1021-1029.	2.9	12
103	Ultra-high performance liquid chromatography. , 2017, , 719-769.		12
104	Three-dimensional liquid chromatography with parallel second dimensions and quadruple parallel mass spectrometry for adult/infant formula analysis. <i>Journal of Chromatography A</i> , 2022, 1661, 462682.	1.8	12
105	Application of monolithic columns in pharmaceutical analysis. Determination of indomethacin and its degradation products. <i>Journal of Separation Science</i> , 2009, 32, 2786-2792.	1.3	11
106	Methodology for Synthesis of Enantiopure 3,5-Disubstituted Pyrrolidones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5414-5423.	1.2	11
107	Micro-SPE in pipette tips as a tool for analysis of small-molecule drugs in serum. <i>Bioanalysis</i> , 2017, 9, 887-901.	0.6	11
108	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.	1.2	11

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109	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.	1.4	10
110	Oral administration of quercetin is unable to protect against isoproterenol cardiotoxicity. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 823-835.	1.4	10
111	Development of MEPS-UHPLC-MS/MS multistatin methods for clinical analysis. <i>Bioanalysis</i> , 2016, 8, 333-349.	0.6	10
112	The Benefits of Ultra-High-Performance Supercritical Fluid Chromatography in Determination of Lipophilic Vitamins in Dietary Supplements. <i>Chromatographia</i> , 2019, 82, 477-487.	0.7	10
113	Monolithic Poly(styrene-co-divinylbenzene) Columns for Supercritical Fluid Chromatography-MS Spectrometry Analysis of Polypeptide. <i>Analytical Chemistry</i> , 2020, 92, 11525-11529.	3.2	10
114	HPLC determination of calcium pantothenate and two preservatives in topical cream. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 671-675.	1.4	9
115	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.	2.0	9
116	Ultra-high performance supercritical fluid chromatography in impurity control II: Method validation. <i>Analytica Chimica Acta</i> , 2020, 1117, 48-59.	2.6	8
117	Potential role of invariant natural killer T cells in outcomes of acute myocardial infarction. <i>International Journal of Cardiology</i> , 2015, 187, 663-665.	0.8	7
118	Structure Elucidation and Cholinesterase Inhibition Activity of Two New Minor Amaryllidaceae Alkaloids. <i>Molecules</i> , 2021, 26, 1279.	1.7	7
119	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, 2123.	1.7	7
120	Monoterpene indole alkaloids from <i>Vinca minor</i> L. (Apocynaceae): Identification of new structural scaffold for treatment of Alzheimer's disease. <i>Phytochemistry</i> , 2022, 194, 113017.	1.4	7
121	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.	0.5	6
122	(Z)-3-Amino-5-(pyridin-2-ylmethylidene)-2-thioxo-1,3-thiazolidin-4-one. <i>MolBank</i> , 2015, 2015, M872.	0.2	6
123	Intravenous rutin in rat exacerbates isoprenaline-induced cardiotoxicity likely due to intracellular oxidative stress. <i>Redox Report</i> , 2017, 22, 78-90.	1.4	6
124	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.	2.5	6
125	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.	1.9	6
126	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, 8308.	1.8	5

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127	Solid-Phase Synthesis of É-Lactone and 1,2-Oxazine Derivatives and Their Efficient Chiral Analysis. PLoS ONE, 2016, 11, e0166558.	1.1	5
128	Fast Optimization of Supercritical Fluid Chromatographyâ€“Mass Spectrometry Interfacing Using Prediction Equations. Analytical Chemistry, 2022, 94, 4841-4849.	3.2	5
129	Use of Ultra High Performance Liquid Chromatography-Tandem Mass Spectrometry to Demonstrate Decreased Serum Statin Levels after Extracorporeal LDL-Cholesterol Elimination. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-9.	3.0	4
130	Degradation study of nitroaromatic explosives 2-diazo-4,6-dinitrophenol and picramic acid using HPLC and UHPLC-ESI-MS/MS. Analytical Methods, 2014, 6, 4761.	1.3	4
131	Ultraâ€“high performance supercritical fluid chromatography coupled to tandem mass spectrometry for antidoping analyses: Assessment of the interâ€“laboratory reproducibility with urine samples. Analytical Science Advances, 2021, 2, 68-75.	1.2	4
132	Derivatives of montanine-type alkaloids and their implication for the treatment of Alzheimer's disease: Synthesis, biological activity and in silico study. Bioorganic and Medicinal Chemistry Letters, 2021, 51, 128374.	1.0	4
133	Chapter 9. UHPLC in Modern Bioanalysis. RSC Chromatography Monographs, 2012, , 237-282.	0.1	3
134	Ultra-High Performance Supercritical Fluid Chromatographyâ€“Mass Spectrometry. , 2017, , 445-487.		3
135	Featuring ultimate sensitivity of highâ€“resolution LCâ€“MS analysis of phenolics in rat plasma. Journal of Separation Science, 2021, 44, 1893-1903.	1.3	3
136	(+)-Chenabinol (Revised NMR Data) and Two New Alkaloids from Berberis vulgaris and their Biological Activity. Natural Product Communications, 2015, 10, 1695-7.	0.2	3
137	Carbon dioxide expanded liquid: an effective solvent for the extraction of quercetin from South African medicinal plants. Plant Methods, 2022, 18, .	1.9	3
138	Pharmaceutical Applications. , 2017, , 461-494.		2
139	A New Insight into the Stereoelectronic Control of the Pd 0 â€“Catalyzed Allylic Substitution: Application for the Synthesis of Multisubstituted Pyranâ€“ones via an Unusual 1,3â€“Transposition. Chemistry - A European Journal, 2019, 25, 8053-8060.	1.7	2
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