

Michal Dousa

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.

53
papers

601
citations

15
h-index

21
g-index

55
ext. papers

702
ext. citations

3.1
avg, IF

4.39
L-index

#	Paper	IF	Citations
53	Nitrites as precursors of N-nitrosation in pharmaceutical samples - A trace level analysis.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 213, 114677	3.5	1
52	Separation of pharmaceutically active compounds by multimodal chromatography with ultraviolet detection. <i>Separation Science Plus</i> , 2021 , 4, 228-239	1.1	0
51	Insight into the formation of N-nitrosodimethylamine in metformin products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 195, 113877	3.5	5
50	Analytical quality by design in the development of a solvent-modified micellar electrokinetic chromatography method for the determination of sitagliptin and its related compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 202, 114163	3.5	1
49	The determination of two analogues of 4-(azidomethyl)-1,1'-biphenyl as potential genotoxic impurities in the active pharmaceutical ingredient of several sartans containing a tetrazole group. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 205, 114300	3.5	0
48	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
47	Detection and structure elucidation of the new degradation impurities in the pharmaceutical formulations of ruxolitinib hydrobromide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 186, 113266	3.5	2
46	Development of HPLC Method for the Purity Test by Design of Experiments and Determination of Activation Energy of Hydrolytic Degradation Reactions of Sofosbuvir. <i>Current Pharmaceutical Analysis</i> , 2020 , 16, 976-987	0.6	1
45	Quality by Design as a risk-based strategy in pharmaceutical analysis: Development of a liquid chromatography-tandem mass spectrometry method for the determination of nintedanib and its impurities. <i>Journal of Chromatography A</i> , 2020 , 1611, 460615	4.5	8
44	HILIC-MS determination of dimethylamine in the active pharmaceutical ingredients and in the dosage forms of metformin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 191, 113573	3.5	4
43	Chiral separation of aliphatic primary amino alcohols as o-phthalaldehyde/mercaptoethanol derivatives on polysaccharide-based chiral stationary phases. <i>Chirality</i> , 2019 , 31, 202-210	2.1	3
42	Identification and structure elucidation of a new degradation impurity in the multi-component tablets of amlodipine besylate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 162, 112-116	3.5	4
41	Quantification of 2-aminoisobutyric acid impurity in enzalutamide bulk drug substance using hydrophilic interaction chromatography with fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 164, 296-301	3.5	3
40	Enantioseparation of N-acetyl-dl-cysteine as o-phthalaldehyde derivatives obtained with various primary aliphatic amine additives on polysaccharide-based chiral stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 166, 147-154	3.5	3
39	The determination of pharmaceutically active thiols using hydrophilic interaction chromatography followed postcolumn derivatization with o-phthalaldehyde and fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 156, 1-7	3.5	7
38	Chiral capillary zone electrophoresis in enantioseparation and analysis of cinacalcet impurities: Use of Quality by Design principles in method development. <i>Journal of Chromatography A</i> , 2018 , 1568, 205-213	4.5	18
37	1H-Tetrazole-5-amine Immobilized on Substituted Polymer Gel/Silica as a New Stationary Phase for Hydrophilic Interaction Chromatography. <i>Chromatographia</i> , 2018 , 81, 349-357	2.1	6

36	HPLC/UV/MS method application for the separation of obeticholic acid and its related compounds in development process and quality control. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 149, 214-224	3.5	5
35	Enantiomeric Separation of (R,S)-Aclidinium Bromide with Negatively Charged Gamma-Cyclodextrin by CE. <i>Chromatographia</i> , 2017 , 80, 559-563	2.1	6
34	Esterification of Ibuprofen in Soft Gelatin Capsules Formulations-Identification, Synthesis and Liquid Chromatography Separation of the Degradation Products. <i>Journal of Chromatographic Science</i> , 2017 , 55, 790-797	1.4	2
33	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
32	Separation of structurally related primary aliphatic amines using hydrophilic interaction chromatography with fluorescence detection after postcolumn derivatization with o-phthaldialdehyde/mercaptoethanol. <i>Journal of Separation Science</i> , 2017 , 40, 4689-4699	3.4	6
31	HILIC-MS Determination of Genotoxic Impurity of 2-Chloro-N-(2-Chloroethyl)Ethanamine in the Vortioxetine Manufacturing Process. <i>Journal of Chromatographic Science</i> , 2016 , 54, 119-24	1.4	3
30	Quality by Design-Guided Development of a Capillary Electrophoresis Method for the Chiral Purity Determination of Ambrisentan. <i>Chromatographia</i> , 2016 , 79, 1343-1350	2.1	15
29	Utilization of Photochemically Induced Fluorescence Detection for HPLC Determination of Genotoxic Impurities in the Vortioxetine Manufacturing Process. <i>Journal of Chromatographic Science</i> , 2016 , 54, 1625-1630	1.4	9
28	Effect of Chromatographic Conditions on Enantioseparation of Bedaquiline Using Polysaccharide-based Chiral Stationary Phases in RP-HPLC. <i>Journal of Chromatographic Science</i> , 2016 , 54, 1501-1507	1.4	6
27	A novel approach for HPLC determination of 2-cynaoacetamide using derivatization procedure with 2-hydroxyacetophenone as a new useful derivatization reagent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 128, 391-397	3.5	1
26	Enantioseparation and impurity determination of ambrisentan using cyclodextrin-modified micellar electrokinetic chromatography: Visualizing the design space within quality by design framework. <i>Journal of Chromatography A</i> , 2016 , 1467, 363-371	4.5	31
25	Quantification of structurally related aliphatic amino alcohols in l-valinol by hydrophilic interaction liquid chromatography separation combined with postcolumn derivatization and fluorescence detection. <i>Journal of Separation Science</i> , 2016 , 39, 851-6	3.4	9
24	Optimization of o-phthaldialdehyde/2-mercaptoethanol postcolumn reaction for the hydrophilic interaction liquid chromatography determination of memantine utilizing a silica hydride stationary phase. <i>Journal of Separation Science</i> , 2016 , 39, 3145-55	3.4	11
23	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
22	Enantiomeric purity control of R-cinacalcet in pharmaceutical product by capillary electrophoresis. <i>Chemical Papers</i> , 2016 , 70,	1.9	6
21	Enantiomeric separation of tapentadol by capillary electrophoresis--study of chiral selectivity manipulation by various types of cyclodextrins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 105, 10-16	3.5	23
20	New approach of validation using internal normalization technique for quantification of related substances in raw material, intermediates and pharmaceutical substances by HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 114, 133-8	3.5	8
19	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

18	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
17	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
16	Enantiomeric separation of R,S-tolterodine and R,S-methoxytolterodine with negatively charged cyclodextrins by capillary electrophoresis. <i>Journal of Separation Science</i> , 2013 , 36, 1561-7	3.4	17
15	Fundamental study of enantioselective HPLC separation of tapentadol enantiomers using cellulose-based chiral stationary phase in normal phase mode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 74, 111-6	3.5	19
14	Underivatized amylose and cellulose as new stationary phases for hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , 2013 , 36, 3345-50	3.4	1
13	Identification, preparation and UHPLC determination of process-related impurity in zolmitriptan. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 58, 1-6	3.5	7
12	Rapid HILIC method with fluorescence detection using derivatization reaction utilizing o-phthaldialdehyde for determination of degradation product of aliskiren. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 66, 359-64	3.5	17
11	The formation of furfural compounds in selected saccharide- and polysaccharide-based pharmaceutical excipients. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 1811-20	3.9	7
10	Rapid determination of ambrisentan enantiomers by enantioselective liquid chromatography using cellulose-based chiral stationary phase in reverse phase mode. <i>Journal of Separation Science</i> , 2012 , 35, 798-803	3.4	14
9	Chiral chromatography studies of chemical behavior of cinacalcet on polysaccharide chiral reversed-phase HPLC stationary phases. <i>Journal of AOAC INTERNATIONAL</i> , 2012 , 95, 1639-43	1.7	5
8	Liquid chromatographic method for enantiopurity control of alaptide using polysaccharide stationary phases. <i>Journal of Separation Science</i> , 2011 , 34, 1402-6	3.4	3
7	Rapid hydrophilic interaction chromatography determination of lysine in pharmaceutical preparations with fluorescence detection after postcolumn derivatization with o-phthaldialdehyde. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 54, 972-8	3.5	35
6	Drug-excipient compatibility testing-Identification and characterization of degradation products of phenylephrine in several pharmaceutical formulations against the common cold. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 55, 949-56	3.5	14
5	High-Performance Liquid Chromatographic Determination of Dihydroergocristine in a Pharmaceutical Formulation with Fluorescence Detection. <i>Journal of AOAC INTERNATIONAL</i> , 2010 , 93, 97-101	1.7	2
4	Liquid chromatographic separation of pregabalin and its possible impurities with fluorescence detection after postcolumn derivatization with o-phthaldialdehyde. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 717-22	3.5	31
3	Fast HPLC method using ion-pair and hydrophilic interaction liquid chromatography for determination of phenylephrine in pharmaceutical formulations. <i>Journal of AOAC INTERNATIONAL</i> , 2010 , 93, 1436-42	1.7	1
2	HPLC determination of lincomycin in premixes and feedstuffs with solid-phase extraction on HLB OASIS and LC-MS/MS confirmation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 40, 981-6	3.5	26
1	Rapid determination of amoxicillin in premixes by HPLC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 373-7	3.5	54

