# Michal DouÅ¡a

List of Publications by Year
in descending order



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|---|---|---|---|
| 55 papers | 809 citations | 471061 17 h-index | 580395 25 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 899 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Rapid determination of amoxicillin in premixes by HPLC. Journal of Pharmaceutical and Biomedical Analysis, 2005, 37, 373-377. | 1.4 | 72 |
| 2 | General screening and optimization strategy for fast chiral separations in modern supercritical fluid chromatography. Analytica Chimica Acta, 2017, 950, 199-210. | 2.6 | 62 |
| 3 | Rapid hydrophilic interaction chromatography determination of lysine in pharmaceutical preparations with fluorescence detection after postcolumn derivatization with o-phtaldialdehyde. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 972-978. | 1.4 | 38 |
| 4 | Enantioseparation and impurity determination of ambrisentan using cyclodextrin-modified micellar electrokinetic chromatography: Visualizing the design space within quality by design framework. Journal of Chromatography A, 2016, 1467, 363-371. | 1.8 | 38 |
| 5 | Liquid chromatographic separation of pregabalin and its possible impurities with fluorescence detection after postcolumn derivatization with o-phtaldialdehyde. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 717-722. | 1.4 | 34 |
| 6 | HPLC determination of lincomycin in premixes and feedstuffs with solid-phase extraction on HLB OASIS and LCâ€“MS/MS confirmation. Journal of Pharmaceutical and Biomedical Analysis, 2006, 40, 981-986. | 1.4 | 30 |
| 7 | Chiral capillary zone electrophoresis in enantioseparation and analysis of cinacalcet impurities: Use of Quality by Design principles in method development. Journal of Chromatography A, 2018, 1568, 205-213. | 1.8 | 30 |
| 8 | Enantiomeric separation of tapentadol by capillary electrophoresisâ€”Study of chiral selectivity manipulation by various types of cyclodextrins. Journal of Pharmaceutical and Biomedical Analysis, 2015, 105, 10-16. | 1.4 | 26 |
| 9 | Direct analysis in real time â€“ High resolution mass spectrometry as a valuable tool for the pharmaceutical drug development. Talanta, 2014, 130, 518-526. | 2.9 | 25 |
| 10 | Identification, characterization, synthesis and HPLC quantification of new process-related impurities and degradation products in retigabine. Journal of Pharmaceutical and Biomedical Analysis, 2014, 94, 71-76. | 1.4 | 24 |
| 11 | Fundamental study of enantioselective HPLC separation of tapentadol enantiomers using cellulose-based chiral stationary phase in normal phase mode. Journal of Pharmaceutical and Biomedical Analysis, 2013, 74, 111-116. | 1.4 | 22 |
| 12 | Retention behavior of a homologous series and positional isomers of aliphatic amino acids in hydrophilic interaction chromatography. Journal of Separation Science, 2014, 37, 739-747. | 1.3 | 20 |
| 13 | Quality by Design-Guided Development of a Capillary Electrophoresis Method for the Chiral Purity Determination of Ambrisentan. Chromatographia, 2016, 79, 1343-1350. | 0.7 | 20 |
| 14 | 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. Journal of Chromatography A, 2020, 1611, 460615. | 1.8 | 20 |
| 15 | Drug-excipient compatibility testingâ€”Identification and characterization of degradation products of phenylephrine in several pharmaceutical formulations against the common cold. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 949-956. | 1.4 | 19 |
| 16 | Rapid determination of ambrisentan enantiomers by enantioselective liquid chromatography using celluloseâ€based chiral stationary phase in reverse phase mode. Journal of Separation Science, 2012, 35, 798-803. | 1.3 | 19 |
| 17 | Development, validation and comparison of UHPSFC and UHPLC methods for the determination of agomelatine and its impurities. Journal of Pharmaceutical and Biomedical Analysis, 2016, 125, 376-384. | 1.4 | 19 |
| 18 | Enantiomeric separation ofR,S-tolterodine andR,S-methoxytolterodine with negatively charged cyclodextrins by capillary electrophoresis. Journal of Separation Science, 2013, 36, 1561-1567. | 1.3 | 18 |

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|---|---|---|---|
| 19 | Rapid HILIC method with fluorescence detection using derivatization reaction utilizing o-phthaldialdehyde for determination of degradation product of aliskiren. Journal of Pharmaceutical and Biomedical Analysis, 2012, 66, 359-364. | 1.4 | 17 |
| 20 | Insight into the formation of N-nitrosodimethylamine in metformin products. Journal of Pharmaceutical and Biomedical Analysis, 2021, 195, 113877. | 1.4 | 17 |
| 21 | The determination of pharmaceutically active thiols using hydrophilic interaction chromatography followed postcolumn derivatization with o -phthaldialdehyde and fluorescence detection. Journal of Pharmaceutical and Biomedical Analysis, 2018, 156, 1-7. | 1.4 | 15 |
| 22 | Supercritical fluid chromatography in chiral separations: Evaluation of equivalency of polysaccharide stationary phases. Journal of Separation Science, 2020, 43, 2675-2689. | 1.3 | 15 |
| 23 | Analytical quality by design in the development of a solvent-modified micellar electrokinetic chromatography method for the determination of sitagliptin and its related compounds. Journal of Pharmaceutical and Biomedical Analysis, 2021, 202, 114163. | 1.4 | 12 |
| 24 | Optimization of oâ€phtaldialdehyde/2â€mercaptoethanol postcolumn reaction for the hydrophilic interaction liquid chromatography determination of memantine utilizing a silica hydride stationary phase. Journal of Separation Science, 2016, 39, 3145-3155. | 1.3 | 11 |
| 25 | New approach of validation using internal normalization technique for quantification of related substances in raw material, intermediates and pharmaceutical substances by HPLC. Journal of Pharmaceutical and Biomedical Analysis, 2015, 114, 133-138. | 1.4 | 10 |
| 26 | Effect of Chromatographic Conditions on Enantioseparation of Bedaquiline Using Polysaccharide-based Chiral Stationary Phases in RP-HPLC. Journal of Chromatographic Science, 2016, 54, 1501-1507. | 0.7 | 10 |
| 27 | HPLC/UV/MS method application for the separation of obeticholic acid and its related compounds in development process and quality control. Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 214-224. | 1.4 | 10 |
| 28 | Identification, preparation and UHPLC determination of process-related impurity in zolmitriptan. Journal of Pharmaceutical and Biomedical Analysis, 2012, 58, 1-6. | 1.4 | 9 |
| 29 | Quantification of structurally related aliphatic amino alcohols in <scp>lâ€</scp>valinol by hydrophilic interaction liquid chromatography separation combined with postcolumn derivatization and fluorescence detection. Journal of Separation Science, 2016, 39, 851-856. | 1.3 | 9 |
| 30 | Utilization of Photochemically Induced Fluorescence Detection for HPLC Determination of Genotoxic Impurities in the Vortioxetine Manufacturing Process. Journal of Chromatographic Science, 2016, 54, 1625-1630. | 0.7 | 9 |
| 31 | Identification and structure elucidation of a new degradation impurity in the multi-component tablets of amlodipine besylate. Journal of Pharmaceutical and Biomedical Analysis, 2019, 162, 112-116. | 1.4 | 9 |
| 32 | HILIC-MS determination of dimethylamine in the active pharmaceutical ingredients and in the dosage forms of metformin. Journal of Pharmaceutical and Biomedical Analysis, 2020, 191, 113573. | 1.4 | 9 |
| 33 | The Formation of Furfural Compounds in Selected Saccharide- and Polysaccharide-based Pharmaceutical Excipients. Journal of Pharmaceutical Sciences, 2012, 101, 1811-1820. | 1.6 | 8 |
| 34 | HILICâ€“MS Determination of Genotoxic Impurity of 2-Chloro-N-(2-Chloroethyl)Ethanamine in the Vortioxetine Manufacturing Process. Journal of Chromatographic Science, 2016, 54, bmv107. | 0.7 | 8 |
| 35 | Enantiomeric Separation of (R,S)-Aclidinium Bromide with Negatively Charged Gamma-Cyclodextrin by CE. Chromatographia, 2017, 80, 559-563. | 0.7 | 8 |
| 36 | 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. Journal of Pharmaceutical and Biomedical Analysis, 2021, 205, 114300. | 1.4 | 8 |

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|---|---|---|---|
| 37 | Nitrites as precursors of N-nitrosation in pharmaceutical samples â€“ A trace level analysis. Journal of Pharmaceutical and Biomedical Analysis, 2022, 213, 114677. | 1.4 | 8 |
| 38 | N-Nitrosation in the absence of nitrosating agents in pharmaceuticals?. Journal of Pharmaceutical and Biomedical Analysis, 2022, 218, 114872. | 1.4 | 8 |
| 39 | Enantioseparation of N-acetyl-dl-cysteine as o-phtaldialdehyde derivatives obtained with various primary aliphatic amine additives on polysaccharide-based chiral stationary phases. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 147-154. | 1.4 | 7 |
| 40 | Enantiomeric purity control of R-cinacalcet in pharmaceutical product by capillary electrophoresis. Chemical Papers, 2016, 70, . | 1.0 | 6 |
| 41 | Separation of structurally related primary aliphatic amines using hydrophilic interaction chromatography with fluorescence detection after postcolumn derivatization with oâ€phthaldialdehyde/mercaptoethanol. Journal of Separation Science, 2017, 40, 4689-4699. | 1.3 | 6 |
| 42 | 1H-Tetrazole-5-amine Immobilized on Substituted Polymer Gel/Silica as a New Stationary Phase for Hydrophilic Interaction Chromatography. Chromatographia, 2018, 81, 349-357. | 0.7 | 6 |
| 43 | Chiral Chromatography Studies of Chemical Behavior of Cinacalcet on Polysaccharide Chiral Reversed-Phase HPLC Stationary Phases. Journal of AOAC INTERNATIONAL, 2012, 95, 1639-1643. | 0.7 | 5 |
| 44 | Detection and structure elucidation of the new degradation impurities in the pharmaceutical formulations of ruxolitinib hydrobromide. Journal of Pharmaceutical and Biomedical Analysis, 2020, 186, 113266. | 1.4 | 5 |
| 45 | Separation of pharmaceutically active compounds by multimodal chromatography with ultraviolet detection. Separation Science Plus, 2021, 4, 228-239. | 0.3 | 5 |
| 46 | Liquid chromatographic method for enantiopurity control of alaptide using polysaccharide stationary phases. Journal of Separation Science, 2011, 34, 1402-1406. | 1.3 | 4 |
| 47 | A novel approach for HPLC determination of 2-cynaoacetamide using derivatization procedure with 2-hydroxyacetophenone as a new useful derivatization reagent. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 391-397. | 1.4 | 4 |
| 48 | Chiral separation of aliphatic primary amino alcohols as oâ€phthaldialdehyde/mercaptoethanol derivatives on polysaccharideâ€based chiral stationary phases. Chirality, 2019, 31, 202-210. | 1.3 | 3 |
| 49 | Quantification of 2-aminoisobutyric acid impurity in enzalutamide bulk drug substance using hydrophilic interaction chromatography with fluorescence detection. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 296-301. | 1.4 | 3 |
| 50 | Fast HPLC method using ion-pair and hydrophilic interaction liquid chromatography for determination of phenylephrine in pharmaceutical formulations. Journal of AOAC INTERNATIONAL, 2010, 93, 1436-42. | 0.7 | 3 |
| 51 | High-Performance Liquid Chromatographic Determination of Dihydroergocristine in a Pharmaceutical Formulation with Fluorescence Detection. Journal of AOAC INTERNATIONAL, 2010, 93, 97-101. | 0.7 | 2 |
| 52 | Esterification of Ibuprofen in Soft Gelatin Capsules Formulationsâ€"Identification, Synthesis and Liquid Chromatography Separation of the Degradation Products. Journal of Chromatographic Science, 2017, 55, 790-797. | 0.7 | 2 |
| 53 | Underivatized amylose and cellulose as new stationary phases for hydrophilic interaction chromatography. Journal of Separation Science, 2013, 36, 3345-3350. | 1.3 | 1 |
| 54 | Development of HPLC Method for the Purity Test by Design of Experiments and Determination of Activation Energy of Hydrolytic Degradation Reactions of Sofosbuvir. Current Pharmaceutical Analysis, 2020, 16, 976-987. | 0.3 | 1 |

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| 55 | Pharmaceutical Analysis: Introduction. , 2018, , . | | 0 |