

Catherine K Markopoulou

List of Publications by Year in descending order

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41
papers

440
citations

840776

11
h-index

839539

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g-index

41
all docs

41
docs citations

41
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrosprayed mesoporous particles for improved aqueous solubility of a poorly water soluble anticancer agent: in vitro and ex vivo evaluation. <i>Journal of Controlled Release</i> , 2018, 278, 142-155.	9.9	62
2	mRNA Therapeutic Modalities Design, Formulation and Manufacturing under Pharma 4.0 Principles. <i>Biomedicines</i> , 2022, 10, 50.	3.2	30
3	Application of two chemometric methods for the determination of imipramine, amitriptyline and perphenazine in content uniformity and drug dissolution studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 249-258.	2.8	28
4	An HPLC Method for the Separation and Simultaneous Determination of Antihistamines, Sympathomimetic Amines and Dextromethorphan in Bulk Drug Material and Dosage Forms. <i>Analytical Letters</i> , 1990, 23, 883-891.	1.8	20
5	Chemometric and derivative methods as flexible spectrophotometric approaches for dissolution and assaying tests in multicomponent tablets. <i>Il Farmaco</i> , 2004, 59, 627-636.	0.9	20
6	Using the partial least squares method to model the electrospray ionization response produced by small pharmaceutical molecules in positive mode. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1661-1675.	1.5	20
7	A Study of the Relative Importance of Lipophilic, π - π and Dipole-Dipole Interactions on Cyanopropyl, Phenyl and Alkyl LC Phases Bonded onto the Same Base Silica. <i>Chromatographia</i> , 2009, 70, 705-715.	1.3	18
8	Development and Characterization of Inkjet Printed Edible Films for Buccal Delivery of B-Complex Vitamins. <i>Pharmaceuticals</i> , 2020, 13, 203.	3.8	15
9	HPLC and Chemometrically Assisted Spectrophotometric Estimation of Two Binary Mixtures for Combined Hypertension Therapy. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 2701-2719.	1.0	13
10	A Simultaneous Analysis by High Performance Liquid Chromatography of Bamipine Combined with Tricyclic Antidepressants and/or Antipsychotics in Dosage Forms. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1991, 14, 2969-2977.	1.0	12
11	Development of a Validated Liquid Chromatography Method for the Simultaneous Determination of Ethinyl Estradiol, Cyproterone Acetate, and Norgestrel in Breast Milk Following Solid Phase Extraction. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 685-700.	1.0	12
12	Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) Containing Rice Bran Oil for Enhanced Fenofibrate Oral Delivery: In Vitro Digestion, Ex Vivo Permeability, and In Vivo Bioavailability Studies. <i>AAPS PharmSciTech</i> , 2020, 21, 208.	3.3	12
13	Quantitative High Performance Liquid Chromatographic Determination of Bamipine Combined with Tricyclic Antidepressants and/or Antipsychotics in Pharmaceutical Formulations. <i>Analytical Letters</i> , 1993, 26, 2171-2182.	1.8	11
14	Simultaneous Determination of Clobutinol Together with Some Anti-inflammatory Drugs in Urine by HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 1565-1577.	1.0	11
15	Modelling by partial least squares the relationship between the HPLC mobile phases and analytes on phenyl column. <i>Journal of Separation Science</i> , 2011, 34, 1489-1502.	2.5	11
16	Modeling the drugs' passive transfer in the body based on their chromatographic behavior. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 100, 94-102.	2.8	11
17	Negative electrospray ionization mode in mass spectrometry: A new perspective via modeling. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 998-999, 97-105.	2.3	11
18	Decoding the signal response of steroids in electrospray ionization mode (ESI-MS). <i>Analytical Methods</i> , 2015, 7, 10433-10444.	2.7	11

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19	Sildenafil 4.0â€”Integrated Synthetic Chemistry, Formulation and Analytical Strategies Effecting Immense Therapeutic and Societal Impact in the Fourth Industrial Era. <i>Pharmaceuticals</i> , 2021, 14, 365.	3.8	11
20	Partial Least Square Model (PLS) as a Tool to Predict the Diffusion of Steroids Across Artificial Membranes. <i>Molecules</i> , 2020, 25, 1387.	3.8	9
21	Saltingâ€” homogeneous liquidâ€”liquid microextraction for the determination of azole drugs in human urine: Validation using total error concept. <i>Journal of Separation Science</i> , 2022, , .	2.5	9
22	A new descriptor via bio-mimetic chromatography and modeling for the blood brain barrier (Part II). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 808-817.	2.8	8
23	Examining barbiturate scaffold for the synthesis of new agents with biological interest. <i>Future Medicinal Chemistry</i> , 2019, 11, 2063-2079.	2.3	8
24	Modern pediatric formulations of the soft candies in the form of a jelly: determination of metoclopramide content and dissolution. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 20-27.	2.4	7
25	UHPLC-fluorescence method for the determination of trace levels of hydrazine in allopurinol and its formulations: Validation using total-error concept. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 187, 113354.	2.8	7
26	Development of a Nanocrystal Formulation of a Low Melting Point API Following a Quality by Design Approach. <i>Processes</i> , 2021, 9, 954.	2.8	7
27	Innovative Pediatric Formulations: Ibuprofen in Chocolate-Coated Honey Core. <i>Journal of Pharmaceutical Innovation</i> , 2020, 15, 404-415.	2.4	6
28	Setting up the chromatographic analysis of anthelmintics using the â€”Crossed D-Optimalâ€”experimental design methodology. <i>Analytical Methods</i> , 2013, 5, 3334.	2.7	5
29	Elucidation of the retention mechanism on a reverse-phase cyano column by modeling. <i>Journal of Separation Science</i> , 2014, 37, 1919-1929.	2.5	5
30	Development and validation of HPLC-DAD and LC-(ESI)/MS methods for the determination of sulfasalazine, mesalazine and hydrocortisone 21-acetate in tablets and rectal suppositories: In vitro and ex vivo permeability studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1198, 123246.	2.3	5
31	Content uniformity and dissolution tests of triplicate mixtures by a double divisor-ratio spectra derivative method. <i>Il Farmaco</i> , 2005, 60, 755-762.	0.9	4
32	Study and Development of Reversed-Phase HPLC Systems for the Determination of 2-Imidazolines in the Presence of Preservatives in Pharmaceutical Preparations. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 703-712.	1.5	3
33	Fluorimetric Analysis of Five Amino Acids in Chocolate: Development and Validation. <i>Molecules</i> , 2021, 26, 4325.	3.8	3
34	Urinary free cortisol is a reliable index of adrenal cortisol production in patients with liver cirrhosis. <i>Endocrine</i> , 2022, 76, 697-708.	2.3	3
35	A Complementary Study of Mechanisms and Behaviors in Chromatography via Modeling. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 1462-1470.	1.5	2
36	Investigation of Selectivity of Amino Functionalised Phases for Pharmaceutical Applications. <i>Chromatographia</i> , 2020, 83, 159-171.	1.3	2

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37	Recent Trends in Pharmaceutical Analytical Chemistry. <i>Molecules</i> , 2020, 25, 3560.	3.8	2
38	Solid Dosage Forms of Dexamethasone Sodium Phosphate Intended for Pediatric Use: Formulation and Stability Studies. <i>Pharmaceutics</i> , 2020, 12, 354.	4.5	2
39	Coupling Classical Analytical Methods with Modeling in Routine Analysis Tests - Merits and Drawbacks. <i>Current Analytical Chemistry</i> , 2015, 11, 244-256.	1.2	2
40	Crossed D-Optimal Experimental Design Methodology for the Chromatographic Separation of Antihypertensive Drugs. <i>Analytical Letters</i> , 2015, 48, 1070-1088.	1.8	1
41	Amoxicillin chewable tablets intended for pediatric use: formulation development, stability evaluation and taste assessment. <i>Pharmaceutical Development and Technology</i> , 2021, 26, 978-988.	2.4	1