

Michele De Luca

List of Publications by Year in descending order

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63
papers

1,272
citations

304743

22
h-index

395702

33
g-index

63
all docs

63
docs citations

63
times ranked

1478
citing authors

#	ARTICLE	IF	CITATIONS
1	Derivative FTIR spectroscopy for cluster analysis and classification of morocco olive oils. Food Chemistry, 2011, 124, 1113-1118.	8.2	89
2	Prediction of the geographical origin of butters by partial least square discriminant analysis (PLS-DA) applied to infrared spectroscopy (FTIR) data. Journal of Food Composition and Analysis, 2014, 33, 210-215.	3.9	84
3	An application of cluster analysis and multivariate classification methods to spring water monitoring data. Microchemical Journal, 2007, 87, 119-127.	4.5	57
4	Multivariate calibration techniques applied to derivative spectroscopy data for the analysis of pharmaceutical mixtures. Chemometrics and Intelligent Laboratory Systems, 2009, 96, 14-21.	3.5	57
5	1,4-Dihydropyridine Antihypertensive Drugs: Recent Advances in Photostabilization Strategies. Pharmaceutics, 2019, 11, 85.	4.5	53
6	Photostability and ex-vivo permeation studies on diclofenac in topical niosomal formulations. International Journal of Pharmaceutics, 2015, 494, 490-497.	5.2	51
7	Photosensitive drugs: a review on their photoprotection by liposomes and cyclodextrins. Drug Delivery, 2017, 24, 33-44.	5.7	43
8	Kinetic studies of nitrofurazone photodegradation by multivariate curve resolution applied to UV-spectral data. International Journal of Pharmaceutics, 2010, 386, 99-107.	5.2	39
9	Chemometric analysis for discrimination of extra virgin olive oils from whole and stoned olive pastes. Food Chemistry, 2016, 202, 432-437.	8.2	39
10	Multivariate curve resolution of incomplete fused multiset data from chromatographic and spectrophotometric analyses for drug photostability studies. Analytica Chimica Acta, 2014, 837, 31-37.	5.4	37
11	Classification of moroccan olive cultivars by linear discriminant analysis applied to ATR-FTIR spectra of endocarps. International Journal of Food Science and Technology, 2012, 47, 1286-1292.	2.7	36
12	Photo- and Thermal-Stability Studies on Benzimidazole Anthelmintics by HPLC and GC-MS. Chemical and Pharmaceutical Bulletin, 2006, 54, 802-806.	1.3	35
13	Multivariate analysis of paracetamol, propiphenazone, caffeine and thiamine in quaternary mixtures by PCR, PLS and ANN calibrations applied on wavelet transform data. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 1471-1475.	2.8	34
14	A study of pH-dependent photodegradation of amiloride by a multivariate curve resolution approach to combined kinetic and acid-base titration UV data. Analyst, The, 2012, 137, 5428.	3.5	33
15	Prediction of photosensitivity of 1,4-dihydropyridine antihypertensives by quantitative structure-property relationship. Talanta, 2009, 79, 1418-1424.	5.5	31
16	Photostability of barnidipine in combined cyclodextrin-in-liposome matrices. Future Medicinal Chemistry, 2014, 6, 35-43.	2.3	31
17	A critical study on the application of the zero-crossing derivative spectrophotometry to the photodegradation monitoring of lacidipine. Journal of Pharmaceutical and Biomedical Analysis, 2006, 42, 39-45.	2.8	30
18	Photostabilization of 1,4-Dihydropyridine Antihypertensives by Incorporation into β -Cyclodextrin and Liposomes. Journal of Nanoscience and Nanotechnology, 2006, 6, 2979-2985.	0.9	28

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19	Different photodegradation behavior of barnidipine under natural and forced irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 215, 205-213.	3.9	28
20	Study of photodegradation kinetics of melatonin by multivariate curve resolution (MCR) with estimation of feasible band boundaries. <i>Drug Testing and Analysis</i> , 2013, 5, 96-102.	2.6	28
21	A discriminant method for classification of Moroccan olive varieties by using direct FT-IR analysis of the mesocarp section. <i>Vibrational Spectroscopy</i> , 2011, 56, 123-128.	2.2	25
22	Artificial Neural Network Combined with Principal Component Analysis for Resolution of Complex Pharmaceutical Formulations. <i>Chemical and Pharmaceutical Bulletin</i> , 2011, 59, 35-40.	1.3	23
23	The difficulties for a photolabile drug in topical formulations: The case of diclofenac. <i>International Journal of Pharmaceutics</i> , 2014, 465, 284-290.	5.2	23
24	CCR5/CXCR4 Dual Antagonism for the Improvement of HIV Infection Therapy. <i>Molecules</i> , 2019, 24, 550.	3.8	20
25	Optimization of wavelength range and data interval in chemometric analysis of complex pharmaceutical mixtures. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 64-69.	5.3	17
26	A critical evaluation of the analytical techniques in the photodegradation monitoring of edible oils. <i>LWT - Food Science and Technology</i> , 2017, 76, 147-155.	5.2	16
27	Reverse Transcriptase Inhibitors Nanosystems Designed for Drug Stability and Controlled Delivery. <i>Pharmaceutics</i> , 2019, 11, 197.	4.5	15
28	Assessment of Surface Water Quality Using Multivariate Analysis: Case Study of the Crati River, Italy. <i>Water (Switzerland)</i> , 2020, 12, 2214.	2.7	15
29	Improvement of multivariate calibration techniques applied to 1-to-N component mixtures through an optimized experimental design. <i>Microchemical Journal</i> , 2006, 83, 24-34.	4.5	14
30	A single MCR-ALS model for drug analysis in different formulations: Application on diazepam commercial preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 346-351.	2.8	14
31	Photostabilization studies of antihypertensive 1,4-dihydropyridines using polymeric containers. <i>International Journal of Pharmaceutics</i> , 2016, 505, 376-382.	5.2	13
32	Evaluation of human breastmilk adulteration by combining Fourier transform infrared spectroscopy and partial least square modeling. <i>Food Science and Nutrition</i> , 2019, 7, 2194-2201.	3.4	13
33	Photodegradation of Anti-Inflammatory Drugs: Stability Tests and Lipid Nanocarriers for Their Photoprotection. <i>Molecules</i> , 2021, 26, 5989.	3.8	13
34	Photodegradation studies of 1,4-dihydropyridine compounds by MCR analysis on UV spectral data. <i>Future Medicinal Chemistry</i> , 2016, 8, 107-115.	2.3	12
35	Acute Toxicity of Antibiotics in Surface Waters by Bioluminescence Test. <i>Current Pharmaceutical Analysis</i> , 2016, 12, 220-226.	0.6	12
36	Fractional Wavelet Transform vs. Continuous Wavelet Transform for the Quantification of Melatonin and Its Photodegradation Product. <i>Spectroscopy Letters</i> , 2012, 45, 337-343.	1.0	10

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37	A New Generation of Dihydropyridine Calcium Channel Blockers: Photostabilization of Liquid Formulations Using Nonionic Surfactants. <i>Pharmaceutics</i> , 2019, 11, 28.	4.5	10
38	Essential Oils of <i>Foeniculum vulgare</i> subsp. <i>piperitum</i> and Their <i>in Vitro</i> Anti- ∞ Arthritic Potential. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000388.	2.1	10
39	Photostability study of multicomponent drug formulations via MCR-ALS: The case of the hydrochlorothiazide-amiloride mixture. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113332.	2.8	10
40	Gel Formulation of Nabumetone and a Newly Synthesized Analog: Microemulsion as a Photoprotective Topical Delivery System. <i>Pharmaceutics</i> , 2020, 12, 423.	4.5	10
41	Chemometric classification of citrus juices of Moroccan cultivars by infrared spectroscopy. <i>Czech Journal of Food Sciences</i> , 2015, 33, 137-142.	1.2	9
42	Biogenic Amines as Quality Marker in Organic and Fair-Trade Cocoa-Based Products. <i>Sustainability</i> , 2016, 8, 856.	3.2	9
43	Light-sensitive drugs in topical formulations: stability indicating methods and photostabilization strategies. <i>Future Medicinal Chemistry</i> , 2017, 9, 1795-1808.	2.3	9
44	Coupling of spectrometric, chromatographic, and chemometric analysis in the investigation of the photodegradation of sulfamethoxazole. <i>Talanta</i> , 2022, 239, 122953.	5.5	9
45	Monitoring of water quality in South Paris district by clustering and SIMCA classification. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 1087-1105.	3.3	7
46	Synthesis and photodegradation studies of analogues of muscle relaxant 1,4-dihydropyridine compounds. <i>Acta Pharmaceutica</i> , 2017, 67, 341-355.	2.0	7
47	Toward Multitasking Pharmacological COX-Targeting Agents: Non-Steroidal Anti-Inflammatory Prodrugs with Antiproliferative Effects. <i>Molecules</i> , 2021, 26, 3940.	3.8	7
48	Encapsulation of Alpha-Lipoic Acid in Functional Hybrid Liposomes: Promising Tool for the Reduction of Cisplatin-Induced Ototoxicity. <i>Pharmaceutics</i> , 2022, 15, 394.	3.8	7
49	Cumulative area pre-processing (CAP): A new treatment of UV data for the analysis of complex pharmaceutical mixtures. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 90, 45-51.	2.8	6
50	PHOTODEGRADATION OF 1, 4-DIHYDROPYRIDINE ANTIHYPERTENSIVE DRUGS: AN UPDATED REVIEW. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2018, 10, 8.	0.3	6
51	Stability-Indicating Methods for NSAIDs in Topical Formulations and Photoprotection in Host-Guest Matrices. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 676-682.	2.4	6
52	Ultrasound-Assisted Extraction, Chemical Characterization, and Impact on Cell Viability of Food Wastes Derived from Southern Italy Autochthonous Citrus Fruits. <i>Antioxidants</i> , 2022, 11, 285.	5.1	6
53	Determination of trapidil in human serum and urine by derivative UV spectrophotometry after selective solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 923-929.	3.7	5
54	Central retinal thickness fluctuations in patients treated with anti-VEGF for neovascular age related macular degeneration. <i>European Journal of Ophthalmology</i> , 2021, , 112067212110378.	1.3	5

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55	Interaction of letrozole and its degradation products with aromatase: chemometric assessment of kinetics and structure-based binding validation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1600-1609.	5.2	5
56	HPLC Determination of Antihistaminic Drugs in Surface Waters and Toxicological Evaluation by Vibrio Fischeri Test. <i>Current Pharmaceutical Analysis</i> , 2012, 8, 196-205.	0.6	4
57	Use of Pluronic Surfactants in Gel Formulations of Photosensitive 1,4-Dihydropyridine Derivatives: A Potential Approach in the Treatment of Neuropathic Pain. <i>Pharmaceutics</i> , 2021, 13, 527.	4.5	3
58	Lonidamine and related impurities: HPLC analysis, stability profile and degradation pathways. <i>Analytical Methods</i> , 2013, 5, 1715.	2.7	2
59	Cyclodextrins in topical gel formulation as photoprotective system for Nabumetone. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 777, 012005.	0.6	1
60	Spectral Data Analysis for a Complex Drug Mixture Containing Altizide, Potassium Canrenoate, and Rescinnamine. <i>Journal of Applied Spectroscopy</i> , 2021, 87, 1079-1086.	0.7	1
61	Photo and thermal stress of linseed oil and stabilization strategies. <i>Journal of Food Science and Technology</i> , 2019, 56, 614-623.	2.8	0
62	Efficacy of Red Glass in Protecting 1,4-Dihydropyridine Antihypertensive Drugs in Liquid Formulations. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3442.	2.5	0
63	Trace lead monitoring in waters by potentiometric stripping analysis. <i>European Journal of Water Quality</i> , 2012, 43, 43-52.	0.1	0