

# Michele De Luca

## List of Publications by Citations

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59  
papers

943  
citations

21  
h-index

28  
g-index

63  
ext. papers

1,090  
ext. citations

4.1  
avg, IF

4.25  
L-index

#	Paper	IF	Citations
59	Derivative FTIR spectroscopy for cluster analysis and classification of morocco olive oils. <i>Food Chemistry</i> , <b>2011</b> , 124, 1113-1118	8.5	79
58	Prediction of the geographical origin of butters by partial least square discriminant analysis (PLS-DA) applied to infrared spectroscopy (FTIR) data. <i>Journal of Food Composition and Analysis</i> , <b>2014</b> , 33, 210-215	4.1	74
57	Multivariate calibration techniques applied to derivative spectroscopy data for the analysis of pharmaceutical mixtures. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2009</b> , 96, 14-21	3.8	53
56	An application of cluster analysis and multivariate classification methods to spring water monitoring data. <i>Microchemical Journal</i> , <b>2007</b> , 87, 119-127	4.8	46
55	Photostability and ex-vivo permeation studies on diclofenac in topical niosomal formulations. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 494, 490-7	6.5	33
54	Kinetic studies of nitrofurazone photodegradation by multivariate curve resolution applied to UV-spectral data. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 386, 99-107	6.5	32
53	Multivariate curve resolution of incomplete fused multiset data from chromatographic and spectrophotometric analyses for drug photostability studies. <i>Analytica Chimica Acta</i> , <b>2014</b> , 837, 31-7	6.6	31
52	Classification of moroccan olive cultivars by linear discriminant analysis applied to ATRETIR spectra of endocarps. <i>International Journal of Food Science and Technology</i> , <b>2012</b> , 47, 1286-1292	3.8	31
51	Chemometric analysis for discrimination of extra virgin olive oils from whole and stoned olive pastes. <i>Food Chemistry</i> , <b>2016</b> , 202, 432-7	8.5	29
50	A study of pH-dependent photodegradation of amiloride by a multivariate curve resolution approach to combined kinetic and acid-base titration UV data. <i>Analyst, The</i> , <b>2012</b> , 137, 5428-35	5	29
49	Multivariate analysis of paracetamol, propiphenazone, caffeine and thiamine in quaternary mixtures by PCR, PLS and ANN calibrations applied on wavelet transform data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 1471-5	3.5	29
48	Photostability of barnidipine in combined cyclodextrin-in-liposome matrices. <i>Future Medicinal Chemistry</i> , <b>2014</b> , 6, 35-43	4.1	27
47	Prediction of photosensitivity of 1,4-dihydropyridine antihypertensives by quantitative structure-property relationship. <i>Talanta</i> , <b>2009</b> , 79, 1418-24	6.2	27
46	Photosensitive drugs: a review on their photoprotection by liposomes and cyclodextrins. <i>Drug Delivery</i> , <b>2017</b> , 24, 33-44	7	26
45	1,4-Dihydropyridine Antihypertensive Drugs: Recent Advances in Photostabilization Strategies. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	26
44	A critical study on the application of the zero-crossing derivative spectrophotometry to the photodegradation monitoring of lacidipine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 42, 39-45	3.5	26
43	Different photodegradation behavior of barnidipine under natural and forced irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2010</b> , 215, 205-213	4.7	24

42	Study of photodegradation kinetics of melatonin by multivariate curve resolution (MCR) with estimation of feasible band boundaries. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 96-102	3.5	23
41	A discriminant method for classification of Moroccan olive varieties by using direct FT-IR analysis of the mesocarp section. <i>Vibrational Spectroscopy</i> , <b>2011</b> , 56, 123-128	2.1	23
40	Photo- and thermal-stability studies on benzimidazole anthelmintics by HPLC and GC-MS. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2006</b> , 54, 802-6	1.9	23
39	Photostabilization of 1,4-dihydropyridine antihypertensives by incorporation into beta-cyclodextrin and liposomes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 2979-85	1.3	22
38	The difficulties for a photolabile drug in topical formulations: the case of diclofenac. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 465, 284-90	6.5	19
37	CCR5/CXCR4 Dual Antagonism for the Improvement of HIV Infection Therapy. <i>Molecules</i> , <b>2019</b> , 24,	4.8	14
36	Artificial neural network combined with principal component analysis for resolution of complex pharmaceutical formulations. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2011</b> , 59, 35-40	1.9	13
35	Photostabilization studies of antihypertensive 1,4-dihydropyridines using polymeric containers. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 505, 376-82	6.5	13
34	A critical evaluation of the analytical techniques in the photodegradation monitoring of edible oils. <i>LWT - Food Science and Technology</i> , <b>2017</b> , 76, 147-155	5.4	12
33	Improvement of multivariate calibration techniques applied to 1-to-N component mixtures through an optimized experimental design. <i>Microchemical Journal</i> , <b>2006</b> , 83, 24-34	4.8	12
32	Optimization of wavelength range and data interval in chemometric analysis of complex pharmaceutical mixtures. <i>Journal of Pharmaceutical Analysis</i> , <b>2016</b> , 6, 64-69	14	11
31	A single MCR-ALS model for drug analysis in different formulations: Application on diazepam commercial preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 134, 346-351	3.5	11
30	Fractional Wavelet Transform-Continuous Wavelet Transform for the Quantification of Melatonin and Its Photodegradation Product. <i>Spectroscopy Letters</i> , <b>2012</b> , 45, 337-343	1.1	10
29	Reverse Transcriptase Inhibitors Nanosystems Designed for Drug Stability and Controlled Delivery. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	9
28	Chemometric classification of citrus juices of Moroccan cultivars by infrared spectroscopy. <i>Czech Journal of Food Sciences</i> , <b>2016</b> , 33, 137-142	1.3	8
27	Photodegradation studies of 1,4-dihydropyridine compounds by MCR analysis on UV spectral data. <i>Future Medicinal Chemistry</i> , <b>2016</b> , 8, 107-15	4.1	8
26	Assessment of Surface Water Quality Using Multivariate Analysis: Case Study of the Crati River, Italy. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2214	3	8
25	Evaluation of human breastmilk adulteration by combining Fourier transform infrared spectroscopy and partial least square modeling. <i>Food Science and Nutrition</i> , <b>2019</b> , 7, 2194-2201	3.2	7

24	Photostability study of multicomponent drug formulations via MCR-ALS: The case of the hydrochlorothiazide-amiloride mixture. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 186, 113332	3.5	7
23	Acute Toxicity of Antibiotics in Surface Waters by Bioluminescence Test. <i>Current Pharmaceutical Analysis</i> , <b>2016</b> , 12, 220-226	0.6	7
22	Light-sensitive drugs in topical formulations: stability indicating methods and photostabilization strategies. <i>Future Medicinal Chemistry</i> , <b>2017</b> , 9, 1795-1808	4.1	6
21	PHOTODEGRADATION OF 1, 4-DIHYDROPYRIDINE ANTIHYPERTENSIVE DRUGS: AN UPDATED REVIEW. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , <b>2018</b> , 10, 8	0.3	6
20	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> , <b>2014</b> , 90, 45-51	3.5	5
19	Synthesis and photodegradation studies of analogues of muscle relaxant 1,4-dihydropyridine compounds. <i>Acta Pharmaceutica</i> , <b>2017</b> , 67, 341-355	3.2	5
18	Biogenic Amines as Quality Marker in Organic and Fair-Trade Cocoa-Based Products. <i>Sustainability</i> , <b>2016</b> , 8, 856	3.6	5
17	A New Generation of Dihydropyridine Calcium Channel Blockers: Photostabilization of Liquid Formulations Using Nonionic Surfactants. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	5
16	Gel Formulation of Nabumetone and a Newly Synthesized Analog: Microemulsion as a Photoprotective Topical Delivery System. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	4
15	Monitoring of water quality in South Paris district by clustering and SIMCA classification. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2008</b> , 88, 1087-1105	1.8	4
14	Determination of trapidil in human serum and urine by derivative UV spectrophotometry after selective solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 923-9	4.4	4
13	Stability-Indicating Methods for NSAIDs in Topical Formulations and Photoprotection in Host-Guest Matrices. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2016</b> , 16, 676-82	3.2	3
12	Essential Oils of <i>Foeniculum vulgare</i> subsp. <i>piperitum</i> and Their in Vitro Anti-Arthritic Potential. <i>Chemistry and Biodiversity</i> , <b>2020</b> , 17, e2000388	2.5	3
11	Lonidamine and related impurities: HPLC analysis, stability profile and degradation pathways. <i>Analytical Methods</i> , <b>2013</b> , 5, 1715	3.2	2
10	HPLC Determination of Antihistaminic Drugs in Surface Waters and Toxicological Evaluation by <i>Vibrio Fischeri</i> Test. <i>Current Pharmaceutical Analysis</i> , <b>2012</b> , 8, 196-205	0.6	2
9	Coupling of spectrometric, chromatographic, and chemometric analysis in the investigation of the photodegradation of sulfamethoxazole.. <i>Talanta</i> , <b>2021</b> , 239, 122953	6.2	2
8	Toward Multitasking Pharmacological COX-Targeting Agents: Non-Steroidal Anti-Inflammatory Prodrugs with Antiproliferative Effects. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
7	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> , <b>2022</b> , 37, 1600-1609	5.6	1

6	Spectral Data Analysis for a Complex Drug Mixture Containing Altizide, Potassium Canrenoate, and Rescinamine. <i>Journal of Applied Spectroscopy</i> , <b>2021</b> , 87, 1079-1086	0.7	o
5	Central retinal thickness fluctuations in patients treated with anti-VEGF for neovascular age related macular degeneration. <i>European Journal of Ophthalmology</i> , <b>2021</b> , 11206721211037820	1.9	o
4	Trace lead monitoring in waters by potentiometric stripping analysis. <i>European Journal of Water Quality</i> , <b>2012</b> , 43, 43-52		
3	Cyclodextrins in topical gel formulation as photoprotective system for Nabumetone. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 777, 012005	0.4	
2	Efficacy of Red Glass in Protecting 1,4-Dihydropyridine Antihypertensive Drugs in Liquid Formulations. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3442	2.6	
1	Photo and thermal stress of linseed oil and stabilization strategies. <i>Journal of Food Science and Technology</i> , <b>2019</b> , 56, 614-623	3.3	